Astrodienst Ephemeris Tables

from the year 1700 BCE for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

JANUARY 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 43 36	27♐24'36	22♑22	1♐21	23♐40	26°R23	9°R38	14♍25	17♐59	2°R43	9♏52	1°R57	0♉43	8♏39	n.a.	T 1
W 2	5 47 32	28°25'13	5♒14	2°19	24°55	26♉10	9♉35	14°25	18° 2	2♋41	9°54	1♉47	0°40	8°45	n.a.	W 2
T 3	5 51 29	29°25'49	18°18	3°19	26°10	25°58	9°32	14°25	18° 6	2°40	9°56	1°39	0°37	8°52	n.a.	T 3
F 4	5 55 25	0♑26'23	1♓34	4°22	27°25	25°47	9°29	14°26	18° 9	2°38	9°57	1°33	0°33	8°59	n.a.	F 4
S 5	5 59 22	1°26'54	15° 3	5°27	28°40	25°36	9°26	14°26	18°13	2°36	9°59	1°29	0°30	9° 5	n.a.	S 5
S 6	6 3 19	2°27'23	28°45	6°34	29°55	25°27	9°24	14°R26	18°16	2°35	10° 0	1°D28	0°27	9°12	n.a.	S 6
M 7	6 7 15	3°27'51	12♈41	7°44	1♑10	25°18	9°21	14°26	18°20	2°33	10° 2	1°28	0°24	9°18	n.a.	M 7
T 8	6 11 12	4°28'16	26°51	8°55	2°25	25°10	9°19	14°26	18°23	2°31	10° 3	1°R28	0°21	9°25	n.a.	T 8
W 9	6 15 8	5°28'39	11♉14	10° 8	3°40	25° 2	9°17	14°26	18°26	2°30	10° 5	1°28	0°18	9°32	n.a.	W 9
T 10	6 19 5	6°29'00	25°48	11°23	4°54	24°56	9°16	14°25	18°30	2°28	10° 6	1°26	0°14	9°38	n.a.	T 10
F 11	6 23 1	7°29'19	10♊28	12°40	6° 9	24°50	9°14	14°25	18°33	2°26	10° 7	1°21	0°11	9°45	n.a.	F 11
S 12	6 26 58	8°29'36	25° 7	13°58	7°24	24°45	9°13	14°24	18°37	2°25	10° 9	1°13	0° 8	9°52	n.a.	S 12
S 13	6 30 55	9°29'51	9♋40	15°17	8°39	24°41	9°12	14°24	18°40	2°23	10°10	1° 4	0° 5	9°58	n.a.	S 13
M14	6 34 51	10°30'04	23°58	16°38	9°54	24°38	9°11	14°23	18°43	2°21	10°12	0°52	0° 2	10° 5	n.a.	M14
T 15	6 38 48	11°30'15	7♌55	18° 0	11° 9	24°35	9°10	14°22	18°46	2°20	10°13	0°41	29♈58	10°12	n.a.	T 15
W16	6 42 44	12°30'24	21°28	19°24	12°23	24°34	9°10	14°21	18°50	2°18	10°14	0°31	29°55	10°18	n.a.	W16
T 17	6 46 41	13°30'31	4♍36	20°49	13°38	24°33	9° 9	14°20	18°53	2°16	10°15	0°23	29°52	10°25	n.a.	T 17
F 18	6 50 37	14°30'36	17°19	22°15	14°53	24°D32	9°D 9	14°19	18°56	2°15	10°17	0°17	29°49	10°32	n.a.	F 18
S 19	6 54 34	15°30'40	29°41	23°43	16° 8	24°33	9° 9	14°18	18°59	2°13	10°18	0°14	29°46	10°38	n.a.	S 19
S 20	6 58 30	16°30'41	11♎46	25°11	17°22	24°34	9°10	14°17	19° 3	2°11	10°19	0°13	29°43	10°45	n.a.	S 20
M21	7 2 27	17°30'41	23°40	26°41	18°37	24°36	9°10	14°15	19° 6	2°10	10°20	0°13	29°39	10°52	n.a.	M21
T 22	7 6 23	18°30'39	5♏27	28°12	19°52	24°38	9°11	14°14	19° 9	2° 8	10°21	0°13	29°36	10°58	n.a.	T 22
W23	7 10 20	19°30'36	17°15	29°44	21° 6	24°42	9°12	14°12	19°12	2° 7	10°22	0°12	29°33	11° 5	n.a.	W23
T 24	7 14 17	20°30'30	29° 7	1♑17	22°21	24°46	9°13	14°11	19°15	2° 5	10°23	0° 9	29°30	11°12	n.a.	T 24
F 25	7 18 13	21°30'23	11♐ 8	2°52	23°36	24°50	9°14	14° 9	19°18	2° 3	10°24	0° 3	29°27	11°18	n.a.	F 25
S 26	7 22 10	22°30'13	23°22	4°27	24°50	24°56	9°15	14° 7	19°21	2° 2	10°25	29♈54	29°24	11°25	n.a.	S 26
S 27	7 26 6	23°30'02	5♑51	6° 4	26° 5	25° 2	9°17	14° 5	19°25	2° 0	10°26	29°43	29°20	11°31	n.a.	S 27
M28	7 30 3	24°29'49	18°35	7°42	27°20	25° 8	9°19	14° 3	19°28	1°59	10°27	29°30	29°17	11°38	n.a.	M28
T 29	7 33 59	25°29'33	1♒35	9°21	28°34	25°16	9°21	14° 1	19°31	1°57	10°28	29°16	29°14	11°45	n.a.	T 29
W30	7 37 56	26°29'15	14°50	11° 1	29°49	25°24	9°23	13°59	19°34	1°56	10°29	29° 3	29°11	11°51	n.a.	W30
T 31	7 41 52	27♑28'55	28♒17	12♑43	1♒ 3	25♉32	9♉26	13♍56	19♐36	1♋54	10♏30	28♈52	29♈ 8	11♏58	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23s52	26s56	5s 1	19s31	1n20	24s33	0s49	23n 3	3n26	14n32	0s28	8n39	2n37	23s37	0s17	23n55	0n 3	8s48	6n36	12n23	11n56	15s19			n.a.
W 2	23 53	24 14	5 4	19 53	1 10	24 38	0 51	23 0	3 26	14 31	0 28	8 39	2 37	23 38	0 17	23 55	0 3	8 48	6 36	12 19	11 55	15 22			n.a.
T 3	23 54	20 15	4 52	20 14	1 0	24 43	0 53	22 56	3 26	14 30	0 28	8 39	2 37	23 38	0 17	23 55	0 3	8 48	6 36	12 16	11 54	15 25			n.a.
F 4	23 54	15 13	4 25	20 36	0 50	24 47	0 54	22 53	3 25	14 29	0 27	8 39	2 38	23 38	0 17	23 55	0 3	8 49	6 36	12 14	11 53	15 28			n.a.
S 5	23 53	9 24	3 42	20 57	0 40	24 49	0 56	22 50	3 25	14 29	0 27	8 40	2 38	23 39	0 17	23 55	0 3	8 49	6 36	12 13	11 52	15 31			n.a.
S 6	23 52	3 2	2 46	21 19	0 31	24 52	0 58	22 47	3 25	14 28	0 27	8 40	2 38	23 39	0 17	23 55	0 3	8 50	6 36	12 12	11 51	15 34			n.a.
M 7	23 51	3n35	1 39	21 39	0 22	24 53	1 0	22 45	3 24	14 28	0 27	8 40	2 38	23 39	0 17	23 55	0 3	8 50	6 36	12 12	11 50	15 37			n.a.
T 8	23 49	10 9	0 25	22 0	0 13	24 54	1 1	22 42	3 24	14 27	0 27	8 40	2 39	23 40	0 17	23 55	0 3	8 51	6 36	12 13	11 48	15 40			n.a.
W 9	23 47	16 18	0n52	22 20	0 4	24 53	1 3	22 40	3 23	14 27	0 26	8 41	2 39	23 40	0 17	23 55	0 3	8 51	6 37	12 12	11 47	15 43			n.a.
T 10	23 44	21 36	2 6	22 39	0s 5	24 52	1 4	22 38	3 22	14 26	0 26	8 41	2 39	23 40	0 17	23 55	0 3	8 51	6 37	12 12	11 46	15 46			n.a.
F 11	23 41	25 36	3 12	22 58	0 13	24 51	1 6	22 35	3 22	14 26	0 26	8 42	2 40	23 41	0 17	23 55	0 3	8 52	6 37	12 10	11 45	15 49			n.a.
S 12	23 37	27 53	4 5	23 16	0 21	24 48	1 7	22 34	3 21	14 26	0 26	8 42	2 40	23 41	0 17	23 55	0 3	8 52	6 37	12 7	11 44	15 52			n.a.
S 13	23 33	28 13	4 42	23 33	0 29	24 45	1 9	22 32	3 20	14 26	0 25	8 43	2 40	23 41	0 17	23 55	0 3	8 52	6 37	12 4	11 43	15 55			n.a.
M14	23 28	26 39	5 0	23 49	0 37	24 41	1 10	22 30	3 19	14 26	0 25	8 43	2 40	23 42	0 17	23 55	0 3	8 53	6 37	12 0	11 42	15 58			n.a.
T 15	23 23	23 27	5 0	24 5	0 44	24 36	1 11	22 29	3 19	14 26	0 25	8 44	2 41	23 42	0 17	23 55	0 3	8 53	6 37	11 56	11 41	16 1			n.a.
W16	23 18	19 3	4 43	24 19	0 52	24 31	1 13	22 28	3 18	14 26	0 25	8 44	2 41	23 42	0 17	23 55	0 3	8 53	6 37	11 52	11 39	16 4			n.a.
T 17	23 12	13 53	4 11	24 33	0 58	24 24	1 14	22 27	3 17	14 26	0 25	8 45	2 41	23 42	0 17	23 55	0 3	8 54	6 37	11 49	11 38	16 7			n.a.
F 18	23 5	8 16	3 27	24 45	1 5	24 17	1 15	22 26	3 16	14 26	0 24	8 46	2 42	23 43	0 17	23 55	0 3	8 54	6 37	11 47	11 37	16 10			n.a.
S 19	22 58	2 29	2 35	24 56	1 11	24 9	1 16	22 25	3 15	14 26	0 24	8 46	2 42	23 43	0 17	23 55	0 3	8 54	6 37	11 46	11 36	16 13			n.a.
S 20	22 51	3s16	1 36	25 6	1 17	24 1	1 17	22 24	3 14	14 27	0 24	8 47	2 42	23 43	0 17	23 55	0 3	8 54	6 37	11 46	11 35	16 16			n.a.
M21	22 43	8 49	0 35	25 14	1 23	23 52	1 18	22 24	3 13	14 27	0 24	8 48	2 42	23 44	0 17	23 55	0 3	8 55	6 38	11 46	11 34	16 19			n.a.
T 22	22 35	14 2	0s28	25 21	1 28	23 42	1 19	22 24	3 12	14 27	0 24	8 49	2 43	23 44	0 17	23 55	0 3	8 55	6 38	11 46	11 33	16 22			n.a.
W23	22 27	18 43	1 29	25 27	1 33	23 31	1 20	22 24	3 12	14 28	0 23	8 50	2 43	23 44	0 17	23 56	0 3	8 55	6 38	11 45	11 31	16 25			n.a.
T 24	22 18	22 44	2 27	25 31	1 38	23 19	1 21	22 24	3 11	14 28	0 23	8 50	2 43	23 44	0 17	23 56	0 3	8 55	6 38	11 44	11 30	16 28			n.a.
F 25	22 8	25 49	3 19	25 34	1 42	23 7	1 21	22 24	3 10	14 29	0 23	8 51	2 43	23 45	0 17	23 56	0 3	8 56	6 38	11 42	11 29	16 31			n.a.
S 26	21 59	27 45	4 2	25 35	1 46	22 55	1 22	22 24	3 9	14 30	0 23	8 52	2 44	23 45	0 17	23 56	0 3	8 56	6 38	11 39	11 28	16 34			n.a.
S 27	21 48	28 20	4 35	25 35	1 50	22 41	1 23	22 25	3 8	14 30	0 22	8 53	2 44	23 45	0 17	23 56	0 3	8 56	6 38	11 35	11 27	16 37			n.a.
M28	21 38	27 26	4 55	25 33	1 53	22 27	1 23	22 26	3 7	14 31	0 22	8 54	2 44	23 45	0 18	23 56	0 3	8 56	6 38	11 30	11 26	16 40			n.a.
T 29	21 27	25 3	5 0	25 29	1 56	22 12	1 24	22 26	3 6	14 32	0 22	8 55	2 44	23 46	0 18	23 56	0 3	8 56	6 38	11 25	11 25	16 42			n.a.
W30	21 15	21 17	4 49	25 24	1 58	21 57	1 24	22 27	3 5	14 33	0 22	8 57	2 45	23 46	0 18	23 56	0 3	8 57	6 39	11 21	11 23	16 45			n.a.
T 31	21s 4	16s23	4s22	25s16	2s 0	21s40	1s24	22n28	3n 4	14n34	0s22	8n58	2n45	23s46	0s18	23n56	0n 3	8s57	6n39	11n17	11n22	16s48			n.a.

Julian Day Number = 1100498.5, Delta T = 11h03m20s
Ecliptic obliquity = 23°53'40, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°31'21, Lahiri = -27°24'21 Julian Calendar 1 Jan. 1700 BCE == Greg. Calendar 18 Dec. 1701 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

FEBRUARY 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 45 49	28♉28'33	11♓54	14♉25	2♒18	25♉41	9♉28	13°R54	19♐39	1°R53	10♏30	28°R44	29♈ 4	12♏ 5	n.a.	F 1
S 2	7 49 46	29°28'08	25°40	16° 9	3°32	25°51	9°31	13♍51	19°42	1♋51	10°31	28♈39	29° 1	12°11	n.a.	S 2
S 3	7 53 42	0♒27'40	9♈32	17°54	4°47	26° 1	9°34	13°49	19°45	1°50	10°32	28°36	28°58	12°18	n.a.	S 3
M 4	7 57 39	1°27'10	23°30	19°41	6° 1	26°12	9°37	13°46	19°48	1°48	10°33	28°35	28°55	12°25	n.a.	M 4
T 5	8 1 35	2°26'38	7♉34	21°28	7°16	26°24	9°40	13°43	19°51	1°47	10°33	28°35	28°52	12°31	n.a.	T 5
W 6	8 5 32	3°26'03	21°43	23°17	8°30	26°36	9°44	13°40	19°54	1°46	10°34	28°35	28°49	12°38	n.a.	W 6
T 7	8 9 28	4°25'26	5♊56	25° 7	9°45	26°48	9°48	13°38	19°56	1°44	10°35	28°32	28°45	12°45	n.a.	T 7
F 8	8 13 25	5°24'46	20°10	26°58	10°59	27° 1	9°51	13°35	19°59	1°43	10°35	28°27	28°42	12°51	n.a.	F 8
S 9	8 17 21	6°24'04	4♋23	28°51	12°14	27°15	9°56	13°32	20° 2	1°42	10°36	28°18	28°39	12°58	n.a.	S 9
S 10	8 21 18	7°23'20	18°30	0♒45	13°28	27°29	10° 0	13°28	20° 4	1°40	10°36	28° 8	28°36	13° 5	n.a.	S 10
M11	8 25 15	8°22'33	2♌25	2°40	14°42	27°43	10° 4	13°25	20° 7	1°39	10°37	27°56	28°33	13°11	n.a.	M11
T 12	8 29 11	9°21'44	16° 5	4°36	15°57	27°58	10° 9	13°22	20° 9	1°38	10°37	27°44	28°30	13°18	n.a.	T 12
W13	8 33 8	10°20'53	29°26	6°34	17°11	28°14	10°13	13°19	20°12	1°37	10°38	27°32	28°26	13°25	n.a.	W13
T 14	8 37 4	11°19'59	12♍27	8°33	18°25	28°29	10°18	13°15	20°15	1°35	10°38	27°23	28°23	13°31	n.a.	T 14
F 15	8 41 1	12°19'04	25° 7	10°33	19°39	28°46	10°23	13°12	20°17	1°34	10°38	27°17	28°20	13°38	n.a.	F 15
S 16	8 44 57	13°18'06	7♎28	12°34	20°54	29° 2	10°29	13° 8	20°19	1°33	10°39	27°13	28°17	13°44	n.a.	S 16
S 17	8 48 54	14°17'06	19°34	14°35	22° 8	29°20	10°34	13° 5	20°22	1°32	10°39	27°11	28°14	13°51	n.a.	S 17
M18	8 52 50	15°16'05	1♏29	16°38	23°22	29°37	10°40	13° 1	20°24	1°31	10°39	27°D11	28°10	13°58	n.a.	M18
T 19	8 56 47	16°15'01	13°18	18°41	24°36	29°55	10°45	12°57	20°27	1°30	10°39	27°R11	28° 7	14° 4	n.a.	T 19
W20	9 0 43	17°13'56	25° 7	20°45	25°51	0♊14	10°51	12°53	20°29	1°29	10°40	27°11	28° 4	14°11	n.a.	W20
T 21	9 4 40	18°12'49	7♐ 1	22°50	27° 5	0°32	10°57	12°50	20°31	1°28	10°40	27° 9	28° 1	14°18	n.a.	T 21
F 22	9 8 37	19°11'40	19° 6	24°54	28°19	0°52	11° 3	12°46	20°33	1°27	10°40	27° 5	27°58	14°24	n.a.	F 22
S 23	9 12 33	20°10'29	1♉25	26°58	29°33	1°11	11°10	12°42	20°35	1°26	10°40	26°59	27°55	14°31	n.a.	S 23
S 24	9 16 30	21° 9'16	14° 1	29° 2	0♓47	1°31	11°16	12°38	20°38	1°25	10°40	26°50	27°51	14°38	n.a.	S 24
M25	9 20 26	22° 8'01	26°58	1♓ 5	2° 1	1°51	11°23	12°34	20°40	1°24	10°40	26°40	27°48	14°44	n.a.	M25
T 26	9 24 23	23° 6'44	10♒15	3° 7	3°15	2°12	11°29	12°30	20°42	1°23	10°R40	26°29	27°45	14°51	n.a.	T 26
W27	9 28 19	24° 5'25	23°50	5° 7	4°29	2°33	11°36	12°26	20°44	1°22	10°40	26°18	27°42	14°58	n.a.	W27
T 28	9 32 16	25♒ 4'04	7♓41	7♓ 6	5♓43	2♊54	11♉43	12♍21	20♐46	1♋21	10♏40	26♈ 9	27♈39	15♏ 4	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	20s51	10s36	3s40	25s 7	2s 2	21s24	1s25	22n30	3n 3	14n35	0s21	8n59	2n45	23s46	0s18	23n56	0n 3	8s57	6n39	11n14	11n21	16s51		n.a.	F 1
S 2	20 39	4 16	2 44	24 56	2 3	21 6	1 25	22 31	3 1	14 36	0 21	9 0	2 45	23 47	0 18	23 56	0 3	8 57	6 39	11 12	11 20	16 54		n.a.	S 2
S 3	20 26	2n20	1 39	24 43	2 4	20 48	1 25	22 33	3 0	14 37	0 21	9 1	2 46	23 47	0 18	23 56	0 3	8 57	6 39	11 11	11 19	16 57		n.a.	S 3
M 4	20 13	8 53	0 27	24 28	2 4	20 30	1 25	22 34	2 59	14 38	0 21	9 3	2 46	23 47	0 18	23 56	0 3	8 57	6 39	11 11	11 18	17 0		n.a.	M 4
T 5	19 59	15 3	0n47	24 11	2 4	20 11	1 25	22 36	2 58	14 40	0 21	9 4	2 46	23 47	0 18	23 56	0 3	8 57	6 39	11 11	11 17	17 3		n.a.	T 5
W 6	19 45	20 27	1 59	23 52	2 3	19 51	1 25	22 38	2 57	14 41	0 20	9 5	2 46	23 48	0 18	23 56	0 3	8 57	6 39	11 10	11 15	17 6		n.a.	W 6
T 7	19 31	24 43	3 4	23 31	2 2	19 31	1 25	22 40	2 56	14 42	0 20	9 6	2 46	23 48	0 18	23 56	0 3	8 57	6 39	11 9	11 14	17 9		n.a.	T 7
F 8	19 17	27 27	3 57	23 7	2 0	19 10	1 25	22 42	2 55	14 44	0 20	9 8	2 47	23 48	0 18	23 56	0 3	8 58	6 40	11 7	11 13	17 11		n.a.	F 8
S 9	19 2	28 24	4 35	22 42	1 58	18 49	1 25	22 44	2 54	14 45	0 20	9 9	2 47	23 48	0 18	23 56	0 3	8 58	6 40	11 4	11 12	17 14		n.a.	S 9
S 10	18 46	27 29	4 56	22 15	1 55	18 27	1 25	22 47	2 53	14 47	0 20	9 11	2 47	23 49	0 18	23 56	0 3	8 58	6 40	11 1	11 11	17 17		n.a.	S 10
M11	18 31	24 51	5 0	21 45	1 52	18 4	1 24	22 49	2 52	14 48	0 19	9 12	2 47	23 49	0 18	23 56	0 3	8 58	6 40	10 56	11 10	17 20		n.a.	M11
T 12	18 15	20 51	4 46	21 13	1 48	17 41	1 24	22 52	2 51	14 50	0 19	9 14	2 47	23 49	0 18	23 56	0 3	8 58	6 40	10 52	11 8	17 23		n.a.	T 12
W13	17 59	15 52	4 16	20 39	1 44	17 18	1 23	22 54	2 50	14 52	0 19	9 15	2 48	23 49	0 18	23 56	0 3	8 58	6 40	10 48	11 7	17 26		n.a.	W13
T 14	17 42	10 18	3 33	20 3	1 38	16 54	1 23	22 57	2 49	14 53	0 19	9 17	2 48	23 49	0 18	23 56	0 3	8 58	6 40	10 44	11 6	17 29		n.a.	T 14
F 15	17 26	4 26	2 41	19 25	1 33	16 30	1 22	23 0	2 48	14 55	0 19	9 18	2 48	23 50	0 18	23 56	0 3	8 58	6 40	10 42	11 5	17 32		n.a.	F 15
S 16	17 9	1s27	1 43	18 45	1 27	16 5	1 22	23 2	2 47	14 57	0 19	9 20	2 48	23 50	0 18	23 56	0 3	8 58	6 40	10 40	11 4	17 34		n.a.	S 16
S 17	16 51	7 11	0 40	18 2	1 20	15 40	1 21	23 5	2 46	14 59	0 18	9 21	2 48	23 50	0 18	23 56	0 3	8 58	6 41	10 40	11 3	17 37		n.a.	S 17
M18	16 34	12 34	0s23	17 18	1 13	15 15	1 20	23 8	2 45	15 1	0 18	9 23	2 48	23 50	0 18	23 56	0 3	8 58	6 41	10 40	11 2	17 40		n.a.	M18
T 19	16 16	17 28	1 25	16 32	1 5	14 49	1 19	23 11	2 44	15 3	0 18	9 24	2 49	23 50	0 18	23 56	0 3	8 58	6 41	10 40	11 0	17 43		n.a.	T 19
W20	15 58	21 43	2 23	15 44	0 56	14 22	1 18	23 14	2 43	15 5	0 18	9 26	2 49	23 51	0 18	23 56	0 3	8 58	6 41	10 40	10 59	17 46		n.a.	W20
T 21	15 40	25 6	3 15	14 54	0 47	13 56	1 18	23 17	2 42	15 7	0 18	9 28	2 49	23 51	0 18	23 56	0 3	8 58	6 41	10 39	10 58	17 49		n.a.	T 21
F 22	15 21	27 25	4 0	14 3	0 37	13 29	1 17	23 20	2 41	15 9	0 17	9 29	2 49	23 51	0 18	23 56	0 3	8 57	6 41	10 38	10 57	17 51		n.a.	F 22
S 23	15 2	28 27	4 34	13 11	0 27	13 1	1 15	23 24	2 40	15 11	0 17	9 31	2 49	23 51	0 18	23 56	0 3	8 57	6 41	10 35	10 56	17 54		n.a.	S 23
S 24	14 43	28 2	4 56	12 18	0 17	12 33	1 14	23 27	2 39	15 14	0 17	9 33	2 49	23 51	0 18	23 57	0 3	8 57	6 41	10 32	10 55	17 57		n.a.	S 24
M25	14 24	26 7	5 3	11 24	0 6	12 5	1 13	23 30	2 38	15 16	0 17	9 34	2 50	23 52	0 18	23 57	0 3	8 57	6 42	10 28	10 53	18 0		n.a.	M25
T 26	14 4	22 43	4 55	10 29	0n 5	11 37	1 12	23 33	2 37	15 18	0 17	9 36	2 50	23 52	0 18	23 57	0 3	8 57	6 42	10 24	10 52	18 3		n.a.	T 26
W27	13 45	18 3	4 29	9 33	0 16	11 8	1 11	23 37	2 36	15 20	0 17	9 38	2 50	23 52	0 18	23 57	0 3	8 57	6 42	10 20	10 51	18 6		n.a.	W27
T 28	13s25	12s21	3s48	8s38	0n28	10s39	1s 9	23n40	2n35	15n23	0s16	9n40	2n50	23s52	0s18	23n57	0n 3	8s57	6n42	10n17	10n50	18s 8		n.a.	T 28

Julian Day Number = 1100529.5, Delta T = 11h03m18s
Ecliptic obliquity = 23°53'41, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°31'17, Lahiri = -27°24'16 Julian Calendar 1 Feb. 1700 BCE == Greg. Calendar 18 Jan. 1700 BCE

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

MARCH 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 36 12	26♒ 2'41	21♓44	9♓ 3	6♓57	3♊16	11♉51	12°R17	20♐48	1°R20	10°R40	26°R 3	27♈36	15♏11	n.a.	F 1
S 2	9 40 9	27° 1'15	5♈54	10°57	8°11	3°38	11°58	12♍13	20°49	1♋19	10♏40	25♈59	27°32	15°18	n.a.	S 2
S 3	9 44 5	27°59'47	20° 8	12°48	9°25	4° 0	12° 5	12° 9	20°51	1°19	10°40	25°D57	27°29	15°24	n.a.	S 3
M 4	9 48 2	28°58'17	4♉22	14°36	10°39	4°23	12°13	12° 5	20°53	1°18	10°39	25°57	27°26	15°31	n.a.	M 4
T 5	9 51 59	29°56'45	18°34	16°21	11°53	4°45	12°21	12° 0	20°55	1°17	10°39	25°58	27°23	15°38	n.a.	T 5
W 6	9 55 55	0♓55'10	2♊42	18° 2	13° 7	5° 9	12°29	11°56	20°57	1°16	10°39	25°R58	27°20	15°44	n.a.	W 6
T 7	9 59 52	1°53'33	16°45	19°39	14°21	5°32	12°37	11°51	20°58	1°16	10°39	25°57	27°16	15°51	n.a.	T 7
F 8	10 3 48	2°51'54	0♋42	21°12	15°35	5°56	12°45	11°47	21° 0	1°15	10°38	25°54	27°13	15°58	n.a.	F 8
S 9	10 7 45	3°50'12	14°32	22°41	16°49	6°20	12°53	11°43	21° 1	1°15	10°38	25°49	27°10	16° 4	n.a.	S 9
S 10	10 11 41	4°48'28	28°12	24° 5	18° 2	6°44	13° 1	11°38	21° 3	1°14	10°38	25°42	27° 7	16°11	n.a.	S 10
M11	10 15 38	5°46'42	11♌41	25°25	19°16	7° 9	13°10	11°34	21° 4	1°13	10°37	25°33	27° 4	16°18	n.a.	M11
T 12	10 19 34	6°44'54	24°57	26°40	20°30	7°34	13°18	11°29	21° 6	1°13	10°37	25°25	27° 1	16°24	n.a.	T 12
W13	10 23 31	7°43'04	7♍57	27°49	21°44	7°59	13°27	11°25	21° 7	1°12	10°36	25°17	26°57	16°31	n.a.	W13
T 14	10 27 27	8°41'12	20°42	28°54	22°57	8°24	13°36	11°20	21° 9	1°12	10°36	25°11	26°54	16°37	n.a.	T 14
F 15	10 31 24	9°39'18	3♎11	29°54	24°11	8°49	13°45	11°16	21°10	1°12	10°35	25° 6	26°51	16°44	n.a.	F 15
S 16	10 35 21	10°37'23	15°26	0♈49	25°25	9°15	13°54	11°11	21°11	1°11	10°35	25° 4	26°48	16°51	n.a.	S 16
S 17	10 39 17	11°35'25	27°29	1°38	26°38	9°41	14° 3	11° 7	21°12	1°11	10°34	25°D 4	26°45	16°57	n.a.	S 17
M18	10 43 14	12°33'27	9♏23	2°23	27°52	10° 7	14°13	11° 2	21°14	1°11	10°34	25° 5	26°41	17° 4	n.a.	M18
T 19	10 47 10	13°31'26	21°12	3° 1	29° 6	10°34	14°22	10°58	21°15	1°10	10°33	25° 6	26°38	17°11	n.a.	T 19
W20	10 51 7	14°29'24	3♐ 2	3°35	0♈19	11° 0	14°31	10°53	21°16	1°10	10°32	25° 7	26°35	17°17	n.a.	W20
T 21	10 55 3	15°27'21	14°57	4° 3	1°33	11°27	14°41	10°49	21°17	1°10	10°32	25°R 8	26°32	17°24	n.a.	T 21
F 22	10 59 0	16°25'16	27° 1	4°26	2°46	11°54	14°51	10°45	21°18	1°10	10°31	25° 7	26°29	17°31	n.a.	F 22
S 23	11 2 56	17°23'10	9♑21	4°43	4° 0	12°22	15° 1	10°40	21°19	1° 9	10°30	25° 5	26°26	17°37	n.a.	S 23
S 24	11 6 53	18°21'02	22° 0	4°55	5°13	12°49	15°11	10°36	21°20	1° 9	10°29	25° 2	26°22	17°44	n.a.	S 24
M25	11 10 49	19°18'53	5♒ 2	5° 2	6°27	13°17	15°21	10°31	21°20	1° 9	10°29	24°57	26°19	17°51	n.a.	M25
T 26	11 14 46	20°16'42	18°26	5°R 3	7°40	13°45	15°31	10°27	21°21	1° 9	10°28	24°51	26°16	17°57	n.a.	T 26
W27	11 18 43	21°14'30	2♓15	5° 0	8°53	14°13	15°41	10°22	21°22	1°D 9	10°27	24°46	26°13	18° 4	n.a.	W27
T 28	11 22 39	22°12'16	16°23	4°51	10° 7	14°41	15°51	10°18	21°23	1° 9	10°26	24°41	26°10	18°11	n.a.	T 28
F 29	11 26 36	23°10'01	0♈48	4°38	11°20	15°10	16° 2	10°14	21°23	1° 9	10°25	24°38	26° 7	18°17	n.a.	F 29
S 30	11 30 32	24° 7'44	15°24	4°21	12°34	15°38	16°12	10° 9	21°24	1° 9	10°24	24°37	26° 3	18°24	n.a.	S 30
S 31	11 34 29	25♓ 5'26	0♉ 3	4♈ 0	13♈47	16♊ 7	16♉23	10♍ 5	21♐24	1♋ 9	10♏23	24°D36	26♈ 0	18♏31	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s 5	5s58	2s52	7s43	0n40	10s10	1s 8	23n44	2n34	15n25	0s16	9n41	2n50	23s52	0s18	23n57	0n 3	8s57	6n42	10n15	10n49	18s11		n.a.
S 2	12 44	0n47	1 45	6 48	0 52	9 41	1 6	23 47	2 33	15 28	0 16	9 43	2 50	23 52	0 18	23 57	0 3	8 57	6 42	10 13	10 48	18 14		n.a.
S 3	12 24	7 32	0 31	5 54	1 3	9 11	1 5	23 50	2 32	15 30	0 16	9 45	2 50	23 52	0 18	23 57	0 3	8 56	6 42	10 13	10 46	18 17		n.a.
M 4	12 3	13 55	0n45	5 2	1 15	8 41	1 3	23 54	2 31	15 33	0 16	9 47	2 50	23 53	0 18	23 57	0 3	8 56	6 42	10 13	10 45	18 20		n.a.
T 5	11 42	19 34	1 58	4 10	1 26	8 11	1 2	23 57	2 30	15 35	0 16	9 48	2 50	23 53	0 18	23 57	0 3	8 56	6 42	10 13	10 44	18 22		n.a.
W 6	11 21	24 6	3 4	3 20	1 37	7 41	1 0	24 1	2 29	15 38	0 15	9 50	2 50	23 53	0 18	23 57	0 3	8 56	6 43	10 13	10 43	18 25		n.a.
T 7	11 0	27 10	3 58	2 31	1 48	7 10	0 58	24 4	2 28	15 41	0 15	9 52	2 51	23 53	0 18	23 57	0 3	8 56	6 43	10 13	10 42	18 28		n.a.
F 8	10 39	28 31	4 38	1 45	1 58	6 39	0 56	24 7	2 27	15 43	0 15	9 54	2 51	23 53	0 18	23 57	0 3	8 56	6 43	10 11	10 41	18 31		n.a.
S 9	10 17	28 4	5 1	1 0	2 8	6 8	0 55	24 11	2 27	15 46	0 15	9 55	2 51	23 53	0 18	23 57	0 3	8 55	6 43	10 10	10 40	18 33		n.a.
S 10	9 56	25 54	5 6	0 18	2 17	5 37	0 53	24 14	2 26	15 49	0 15	9 57	2 51	23 53	0 18	23 57	0 3	8 55	6 43	10 7	10 38	18 36		n.a.
M11	9 34	22 19	4 55	0n22	2 26	5 6	0 51	24 18	2 25	15 51	0 15	9 59	2 51	23 54	0 18	23 57	0 3	8 55	6 43	10 4	10 37	18 39		n.a.
T 12	9 12	17 38	4 27	1 0	2 34	4 35	0 49	24 21	2 24	15 54	0 14	10 1	2 51	23 54	0 18	23 57	0 3	8 55	6 43	10 1	10 36	18 42		n.a.
W13	8 50	12 14	3 46	1 34	2 41	4 3	0 47	24 24	2 23	15 57	0 14	10 3	2 51	23 54	0 18	23 57	0 3	8 54	6 43	9 58	10 35	18 44		n.a.
T 14	8 28	6 25	2 55	2 6	2 47	3 32	0 45	24 27	2 22	16 0	0 14	10 4	2 51	23 54	0 18	23 57	0 4	8 54	6 43	9 55	10 34	18 47		n.a.
F 15	8 6	0 28	1 56	2 36	2 53	3 0	0 43	24 31	2 21	16 3	0 14	10 6	2 51	23 54	0 18	23 57	0 4	8 54	6 43	9 54	10 33	18 50		n.a.
S 16	7 43	5s24	0 52	3 2	2 58	2 29	0 41	24 34	2 20	16 6	0 14	10 8	2 51	23 54	0 18	23 57	0 4	8 54	6 43	9 53	10 31	18 53		n.a.
S 17	7 21	10 59	0s13	3 25	3 1	1 57	0 39	24 37	2 19	16 9	0 14	10 10	2 51	23 54	0 18	23 57	0 4	8 53	6 44	9 53	10 30	18 55		n.a.
M18	6 58	16 6	1 17	3 46	3 4	1 25	0 36	24 40	2 18	16 12	0 13	10 11	2 51	23 54	0 19	23 57	0 4	8 53	6 44	9 53	10 29	18 58		n.a.
T 19	6 36	20 36	2 17	4 3	3 5	0 53	0 34	24 43	2 17	16 15	0 13	10 13	2 51	23 54	0 19	23 57	0 4	8 53	6 44	9 54	10 28	19 1		n.a.
W20	6 13	24 17	3 12	4 17	3 6	0 21	0 32	24 46	2 17	16 18	0 13	10 15	2 51	23 55	0 19	23 57	0 4	8 53	6 44	9 54	10 27	19 4		n.a.
T 21	5 50	26 58	3 58	4 28	3 6	0n10	0 30	24 49	2 16	16 21	0 13	10 17	2 51	23 55	0 19	23 57	0 4	8 52	6 44	9 54	10 25	19 6		n.a.
F 22	5 27	28 26	4 35	4 36	3 4	0 42	0 27	24 52	2 15	16 24	0 13	10 18	2 51	23 55	0 19	23 57	0 4	8 52	6 44	9 54	10 24	19 9		n.a.
S 23	5 4	28 32	5 0	4 40	3 1	1 14	0 25	24 55	2 14	16 27	0 13	10 20	2 51	23 55	0 19	23 57	0 4	8 52	6 44	9 53	10 23	19 12		n.a.
S 24	4 41	27 10	5 11	4 41	2 57	1 46	0 23	24 58	2 13	16 30	0 13	10 22	2 51	23 55	0 19	23 57	0 4	8 51	6 44	9 52	10 22	19 15		n.a.
M25	4 18	24 19	5 6	4 39	2 52	2 18	0 20	25 1	2 12	16 33	0 12	10 23	2 51	23 55	0 19	23 57	0 4	8 51	6 44	9 50	10 21	19 17		n.a.
T 26	3 55	20 6	4 46	4 34	2 45	2 50	0 18	25 3	2 11	16 36	0 12	10 25	2 51	23 55	0 19	23 57	0 4	8 51	6 44	9 48	10 20	19 20		n.a.
W27	3 32	14 43	4 8	4 25	2 37	3 21	0 15	25 6	2 11	16 39	0 12	10 27	2 51	23 55	0 19	23 57	0 4	8 50	6 44	9 46	10 18	19 23		n.a.
T 28	3 9	8 26	3 14	4 14	2 28	3 53	0 13	25 9	2 10	16 42	0 12	10 28	2 51	23 55	0 19	23 57	0 4	8 50	6 44	9 44	10 17	19 25		n.a.
F 29	2 46	1 36	2 7	3 59	2 18	4 25	0 10	25 11	2 9	16 46	0 12	10 30	2 51	23 55	0 19	23 57	0 4	8 50	6 44	9 43	10 16	19 28		n.a.
S 30	2 22	5n24	0 50	3 42	2 7	4 56	0 8	25 13	2 8	16 49	0 12	10 32	2 51	23 55	0 19	23 57	0 4	8 49	6 45	9 43	10 15	19 31		n.a.
S 31	1s59	12n10	0n30	3n22	1n55	5n27	0s 5	25n16	2n 7	16n52	0s12	10n33	2n51	23s55	0s19	23n57	0n 4	8s49	6n45	9n43	10n14	19s33		n.a.

Julian Day Number = 1100557.5, Delta T = 11h03m17s
Ecliptic obliquity = 23°53'41, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°31'13, Lahiri = -27°24'13 Julian Calendar 1 March 1700 BCE == Greg. Calendar 15 Feb. 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

APRIL 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 38 25	26♓ 3'05	14♉40	3°R35	15♈ 0	16♊36	16♉33	10°R 1	21♐25	1♋10	10°R22	24♈37	25♈57	18♏37	n.a.	M 1
T 2	11 42 22	27° 0'44	29°10	3♈ 7	16°13	17° 5	16°44	9♍57	21°25	1°10	10♏21	24°39	25°54	18°44	n.a.	T 2
W 3	11 46 18	27°58'20	13♊29	2°37	17°27	17°35	16°55	9°53	21°26	1°10	10°20	24°40	25°51	18°51	n.a.	W 3
T 4	11 50 15	28°55'55	27°34	2° 4	18°40	18° 4	17° 6	9°48	21°26	1°10	10°19	24°R41	25°47	18°57	n.a.	T 4
F 5	11 54 12	29°53'28	11♋25	1°30	19°53	18°34	17°17	9°44	21°26	1°10	10°18	24°40	25°44	19° 4	n.a.	F 5
S 6	11 58 8	0♈51'00	25° 1	0°55	21° 6	19° 4	17°28	9°40	21°26	1°11	10°17	24°39	25°41	19°11	n.a.	S 6
S 7	12 2 5	1°48'30	8♌23	0°20	22°19	19°34	17°39	9°36	21°27	1°11	10°16	24°36	25°38	19°17	n.a.	S 7
M 8	12 6 1	2°45'58	21°29	29♓45	23°32	20° 4	17°50	9°32	21°27	1°11	10°15	24°33	25°35	19°24	n.a.	M 8
T 9	12 9 58	3°43'25	4♍22	29°11	24°45	20°34	18° 2	9°29	21°27	1°12	10°14	24°30	25°32	19°31	n.a.	T 9
W10	12 13 54	4°40'50	17° 1	28°39	25°58	21° 5	18°13	9°25	21°R27	1°12	10°12	24°27	25°28	19°37	n.a.	W10
T 11	12 17 51	5°38'14	29°28	28° 9	27°11	21°35	18°24	9°21	21°27	1°13	10°11	24°25	25°25	19°44	n.a.	T 11
F 12	12 21 47	6°35'37	11♎43	27°41	28°24	22° 6	18°36	9°17	21°27	1°13	10°10	24°23	25°22	19°50	n.a.	F 12
S 13	12 25 44	7°32'59	23°48	27°16	29°37	22°37	18°47	9°13	21°27	1°14	10° 9	24°D23	25°19	19°57	n.a.	S 13
S 14	12 29 41	8°30'19	5♏45	26°55	0♉50	23° 8	18°59	9°10	21°27	1°14	10° 7	24°23	25°16	20° 4	n.a.	S 14
M15	12 33 37	9°27'39	17°36	26°37	2° 3	23°39	19°11	9° 6	21°26	1°15	10° 6	24°24	25°13	20°10	n.a.	M15
T 16	12 37 34	10°24'58	29°25	26°23	3°16	24°10	19°23	9° 3	21°26	1°16	10° 5	24°25	25° 9	20°17	n.a.	T 16
W17	12 41 30	11°22'16	11♐15	26°14	4°29	24°42	19°34	8°59	21°26	1°16	10° 4	24°27	25° 6	20°24	n.a.	W17
T 18	12 45 27	12°19'34	23°10	26° 8	5°42	25°13	19°46	8°56	21°26	1°17	10° 2	24°28	25° 3	20°30	n.a.	T 18
F 19	12 49 23	13°16'50	5♑15	26°D 8	6°54	25°45	19°58	8°53	21°25	1°18	10° 1	24°28	25° 0	20°37	n.a.	F 19
S 20	12 53 20	14°14'06	17°33	26°11	8° 7	26°17	20°10	8°49	21°25	1°18	10° 0	24°R28	24°57	20°44	n.a.	S 20
S 21	12 57 16	15°11'22	0♒10	26°19	9°20	26°49	20°22	8°46	21°24	1°19	9°58	24°28	24°53	20°50	n.a.	S 21
M22	13 1 13	16° 8'36	13°10	26°32	10°33	27°21	20°34	8°43	21°24	1°20	9°57	24°27	24°50	20°57	n.a.	M22
T 23	13 5 10	17° 5'50	26°34	26°49	11°45	27°53	20°47	8°40	21°23	1°21	9°56	24°26	24°47	21° 4	n.a.	T 23
W24	13 9 6	18° 3'04	10♓24	27°11	12°58	28°26	20°59	8°37	21°22	1°22	9°54	24°26	24°44	21°10	n.a.	W24
T 25	13 13 3	19° 0'17	24°39	27°37	14°10	28°58	21°11	8°34	21°22	1°23	9°53	24°25	24°41	21°17	n.a.	T 25
F 26	13 16 59	19°57'29	9♈15	28° 7	15°23	29°31	21°23	8°31	21°21	1°24	9°51	24°25	24°38	21°24	n.a.	F 26
S 27	13 20 56	20°54'40	24° 7	28°41	16°36	0♋ 3	21°36	8°29	21°20	1°24	9°50	24°D25	24°34	21°30	n.a.	S 27
S 28	13 24 52	21°51'51	9♉ 7	29°20	17°48	0°36	21°48	8°26	21°19	1°25	9°48	24°25	24°31	21°37	n.a.	S 28
M29	13 28 49	22°49'01	24° 7	0♈ 2	19° 1	1° 9	22° 1	8°23	21°19	1°27	9°47	24°25	24°28	21°44	n.a.	M29
T 30	13 32 45	23♈46'11	8♊58	0♈49	20♉13	1♋42	22♉13	8♍21	21♐18	1♋28	9♏45	24♈25	24♈25	21♏50	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1s36	18n15	1n48	3n 0	1n41	5n59	0s 3	25n18	2n 6	16n55	0s11	10n35	2n51	23s55	0s19	23n57	0n 4	8s49	6n45	9n43	10n13	19s36		n.a.
T 2	1 13	23 15	2 58	2 35	1 27	6 30	0 0	25 20	2 6	16 59	0 11	10 36	2 51	23 56	0 19	23 57	0 4	8 48	6 45	9 43	10 11	19 39		n.a.
W 3	0 49	26 46	3 57	2 9	1 12	7 1	0n 3	25 22	2 5	17 2	0 11	10 38	2 51	23 56	0 19	23 57	0 4	8 48	6 45	9 44	10 10	19 41		n.a.
T 4	0 26	28 32	4 40	1 42	0 56	7 32	0 5	25 24	2 4	17 5	0 11	10 39	2 50	23 56	0 19	23 57	0 4	8 48	6 45	9 44	10 9	19 44		n.a.
F 5	0 3	28 28	5 6	1 13	0 40	8 2	0 8	25 26	2 3	17 8	0 11	10 41	2 50	23 56	0 19	23 57	0 4	8 47	6 45	9 44	10 8	19 47		n.a.
S 6	0n21	26 41	5 14	0 44	0 24	8 33	0 10	25 28	2 2	17 12	0 11	10 42	2 50	23 56	0 19	23 57	0 4	8 47	6 45	9 43	10 7	19 49		n.a.
S 7	0 44	23 25	5 5	0 14	0 7	9 3	0 13	25 30	2 1	17 15	0 11	10 44	2 50	23 56	0 19	23 57	0 4	8 46	6 45	9 42	10 6	19 52		n.a.
M 8	1 7	19 1	4 40	0s15	0s10	9 33	0 16	25 31	2 1	17 18	0 10	10 45	2 50	23 56	0 19	23 57	0 4	8 46	6 45	9 41	10 4	19 55		n.a.
T 9	1 30	13 50	4 2	0 45	0 27	10 3	0 18	25 33	2 0	17 22	0 10	10 47	2 50	23 56	0 19	23 57	0 4	8 46	6 45	9 40	10 3	19 57		n.a.
W10	1 54	8 9	3 12	1 13	0 44	10 32	0 21	25 34	1 59	17 25	0 10	10 48	2 50	23 56	0 19	23 57	0 4	8 45	6 45	9 39	10 2	20 0		n.a.
T 11	2 17	2 15	2 13	1 40	1 0	11 2	0 23	25 35	1 58	17 28	0 10	10 49	2 50	23 56	0 19	23 57	0 4	8 45	6 45	9 38	10 1	20 3		n.a.
F 12	2 40	3s39	1 9	2 6	1 16	11 31	0 26	25 36	1 57	17 32	0 10	10 51	2 50	23 56	0 19	23 57	0 4	8 44	6 45	9 38	10 0	20 5		n.a.
S 13	3 3	9 22	0 3	2 29	1 31	12 0	0 29	25 38	1 57	17 35	0 10	10 52	2 49	23 56	0 19	23 57	0 4	8 44	6 45	9 38	9 58	20 8		n.a.
S 14	3 26	14 40	1s 2	2 51	1 45	12 28	0 31	25 38	1 56	17 38	0 10	10 53	2 49	23 56	0 19	23 57	0 4	8 44	6 45	9 38	9 57	20 10		n.a.
M15	3 49	19 24	2 5	3 11	1 59	12 56	0 34	25 39	1 55	17 42	0 10	10 55	2 49	23 56	0 19	23 57	0 4	8 43	6 45	9 38	9 56	20 13		n.a.
T 16	4 12	23 22	3 2	3 28	2 12	13 24	0 36	25 40	1 54	17 45	0 9	10 56	2 49	23 56	0 19	23 57	0 4	8 43	6 45	9 38	9 55	20 16		n.a.
W17	4 35	26 22	3 51	3 43	2 23	13 52	0 39	25 41	1 54	17 49	0 9	10 57	2 49	23 56	0 19	23 57	0 4	8 42	6 45	9 39	9 54	20 18		n.a.
T 18	4 58	28 14	4 31	3 55	2 34	14 19	0 42	25 41	1 53	17 52	0 9	10 58	2 49	23 56	0 19	23 57	0 4	8 42	6 45	9 39	9 53	20 21		n.a.
F 19	5 20	28 46	4 59	4 4	2 44	14 46	0 44	25 41	1 52	17 55	0 9	10 59	2 49	23 56	0 19	23 57	0 4	8 42	6 45	9 40	9 51	20 23		n.a.
S 20	5 43	27 55	5 15	4 10	2 52	15 13	0 47	25 42	1 51	17 59	0 9	11 0	2 48	23 56	0 19	23 57	0 4	8 41	6 45	9 40	9 50	20 26		n.a.
S 21	6 6	25 37	5 15	4 14	3 0	15 39	0 49	25 42	1 50	18 2	0 9	11 2	2 48	23 56	0 19	23 57	0 4	8 41	6 45	9 39	9 49	20 29		n.a.
M22	6 28	21 58	5 0	4 15	3 7	16 5	0 52	25 42	1 50	18 6	0 9	11 3	2 48	23 56	0 19	23 57	0 4	8 40	6 45	9 39	9 48	20 31		n.a.
T 23	6 50	17 5	4 29	4 13	3 12	16 30	0 54	25 42	1 49	18 9	0 9	11 4	2 48	23 56	0 19	23 57	0 4	8 40	6 45	9 39	9 47	20 34		n.a.
W24	7 13	11 12	3 41	4 9	3 17	16 55	0 56	25 41	1 48	18 12	0 8	11 5	2 48	23 56	0 19	23 57	0 4	8 39	6 45	9 39	9 45	20 36		n.a.
T 25	7 35	4 34	2 38	4 1	3 21	17 20	0 59	25 41	1 47	18 16	0 8	11 6	2 48	23 56	0 19	23 57	0 4	8 39	6 45	9 38	9 44	20 39		n.a.
F 26	7 57	2n28	1 23	3 52	3 23	17 44	1 1	25 40	1 47	18 19	0 8	11 6	2 47	23 56	0 19	23 57	0 4	8 39	6 45	9 38	9 43	20 41		n.a.
S 27	8 19	9 30	0 2	3 39	3 25	18 8	1 4	25 40	1 46	18 23	0 8	11 7	2 47	23 56	0 19	23 57	0 4	8 38	6 45	9 38	9 42	20 44		n.a.
S 28	8 41	16 5	1n21	3 24	3 26	18 31	1 6	25 39	1 45	18 26	0 8	11 8	2 47	23 56	0 20	23 57	0 4	8 38	6 45	9 38	9 41	20 47		n.a.
M29	9 2	21 42	2 38	3 7	3 25	18 54	1 8	25 38	1 44	18 30	0 8	11 9	2 47	23 56	0 20	23 57	0 4	8 37	6 45	9 38	9 39	20 49		n.a.
T 30	9n24	25n53	3n43	2s47	3s24	19n16	1n10	25n37	1n44	18n33	0s 8	11n10	2n47	23s56	0s20	23n57	0n 4	8s37	6n45	9n38	9n38	20s52		n.a.

Julian Day Number = 1100588.5, Delta T = 11h03m15s
Ecliptic obliquity = 23°53'42, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°31'09, Lahiri = -27°24'08 Julian Calendar 1 Apr. 1700 BCE == Greg. Calendar 18 March 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

MAY 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 36 42	24♈43'20	23♊34	1♈39	21♉26	2♋15	22♉26	8°R18	21°R17	1♋29	9°R44	24°R25	24♈22	21♏57	n.a.	W 1
T 2	13 40 39	25°40'28	7♋51	2°34	22°38	2°49	22°39	8♍16	21♐16	1°30	9♏42	24♈25	24°18	22° 4	n.a.	T 2
F 3	13 44 35	26°37'35	21°46	3°32	23°50	3°22	22°51	8°14	21°15	1°31	9°41	24°D25	24°15	22°10	n.a.	F 3
S 4	13 48 32	27°34'41	5♌19	4°33	25° 3	3°55	23° 4	8°12	21°14	1°32	9°39	24°25	24°12	22°17	n.a.	S 4
S 5	13 52 28	28°31'46	18°31	5°38	26°15	4°29	23°17	8°10	21°13	1°33	9°38	24°25	24° 9	22°24	n.a.	S 5
M 6	13 56 25	29°28'51	1♍24	6°47	27°27	5° 3	23°29	8° 8	21°11	1°34	9°36	24°25	24° 6	22°30	n.a.	M 6
T 7	14 0 21	0♉25'55	14° 0	7°59	28°39	5°37	23°42	8° 6	21°10	1°36	9°35	24°26	24° 3	22°37	n.a.	T 7
W 8	14 4 18	1°22'59	26°23	9°15	29°52	6°10	23°55	8° 4	21° 9	1°37	9°33	24°27	23°59	22°44	n.a.	W 8
T 9	14 8 15	2°20'02	8♎34	10°34	1♊ 4	6°44	24° 8	8° 2	21° 8	1°38	9°32	24°27	23°56	22°50	n.a.	T 9
F 10	14 12 11	3°17'05	20°36	11°56	2°16	7°19	24°21	8° 0	21° 6	1°40	9°30	24°R27	23°53	22°57	n.a.	F 10
S 11	14 16 8	4°14'07	2♏32	13°21	3°28	7°53	24°34	7°59	21° 5	1°41	9°29	24°27	23°50	23° 4	n.a.	S 11
S 12	14 20 4	5°11'09	14°24	14°50	4°40	8°27	24°47	7°57	21° 4	1°42	9°27	24°27	23°47	23°10	n.a.	S 12
M13	14 24 1	6° 8'12	26°13	16°22	5°52	9° 1	25° 0	7°56	21° 2	1°44	9°26	24°26	23°44	23°17	n.a.	M13
T 14	14 27 57	7° 5'14	8♐ 2	17°58	7° 4	9°36	25°13	7°55	21° 1	1°45	9°24	24°24	23°40	23°24	n.a.	T 14
W15	14 31 54	8° 2'16	19°54	19°36	8°16	10°10	25°26	7°54	20°59	1°47	9°23	24°22	23°37	23°30	n.a.	W15
T 16	14 35 50	8°59'18	1♑52	21°18	9°28	10°45	25°39	7°53	20°58	1°48	9°21	24°20	23°34	23°37	n.a.	T 16
F 17	14 39 47	9°56'21	13°58	23° 2	10°40	11°20	25°52	7°52	20°56	1°50	9°19	24°18	23°31	23°44	n.a.	F 17
S 18	14 43 44	10°53'24	26°17	24°50	11°51	11°55	26° 5	7°51	20°54	1°51	9°18	24°17	23°28	23°50	n.a.	S 18
S 19	14 47 40	11°50'27	8♒52	26°40	13° 3	12°30	26°18	7°50	20°53	1°53	9°16	24°D16	23°24	23°57	n.a.	S 19
M20	14 51 37	12°47'30	21°46	28°33	14°15	13° 5	26°32	7°49	20°51	1°54	9°15	24°17	23°21	24° 4	n.a.	M20
T 21	14 55 33	13°44'34	5♓ 5	0♉29	15°27	13°40	26°45	7°48	20°49	1°56	9°13	24°17	23°18	24°10	n.a.	T 21
W22	14 59 30	14°41'38	18°48	2°27	16°38	14°15	26°58	7°48	20°48	1°57	9°12	24°19	23°15	24°17	n.a.	W22
T 23	15 3 26	15°38'42	2♈58	4°27	17°50	14°51	27°11	7°48	20°46	1°59	9°10	24°20	23°12	24°24	n.a.	T 23
F 24	15 7 23	16°35'47	17°33	6°30	19° 1	15°26	27°25	7°47	20°44	2° 1	9° 9	24°R21	23° 9	24°30	n.a.	F 24
S 25	15 11 20	17°32'53	2♉28	8°34	20°13	16° 1	27°38	7°47	20°42	2° 2	9° 7	24°21	23° 5	24°37	n.a.	S 25
S 26	15 15 16	18°29'58	17°36	10°40	21°25	16°37	27°51	7°47	20°40	2° 4	9° 5	24°20	23° 2	24°44	n.a.	S 26
M27	15 19 13	19°27'05	2♊49	12°47	22°36	17°13	28° 4	7°D47	20°38	2° 6	9° 4	24°17	22°59	24°50	n.a.	M27
T 28	15 23 9	20°24'11	17°56	14°55	23°47	17°49	28°18	7°47	20°36	2° 8	9° 2	24°14	22°56	24°57	n.a.	T 28
W29	15 27 6	21°21'18	2♋48	17° 3	24°59	18°24	28°31	7°47	20°34	2° 9	9° 1	24°10	22°53	25° 4	n.a.	W29
T 30	15 31 2	22°18'25	17°19	19°12	26°10	19° 0	28°44	7°47	20°32	2°11	8°59	24° 7	22°50	25°10	n.a.	T 30
F 31	15 34 59	23♉15'32	1♌23	21♉21	27♊21	19♋36	28♉58	7♍48	20♐30	2♋13	8♏58	24♈ 4	22♈46	25♏17	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9n45	28n16	4n33	2s25	3s23	19n38	1n13	25n35	1n43	18n36	0s 8	11n11	2n47	23s56	0s20	23n57	0n 4	8s37	6n45	9n38	9n37	20s54		n.a.
T 2	10 6	28 43	5 4	2 1	3 20	19 59	1 15	25 34	1 42	18 40	0 7	11 11	2 46	23 56	0 20	23 57	0 4	8 36	6 45	9 38	9 36	20 57		n.a.
F 3	10 28	27 19	5 17	1 34	3 17	20 20	1 17	25 32	1 41	18 43	0 7	11 12	2 46	23 56	0 20	23 57	0 4	8 36	6 45	9 38	9 35	20 59		n.a.
S 4	10 48	24 20	5 12	1 6	3 13	20 40	1 19	25 31	1 41	18 47	0 7	11 13	2 46	23 55	0 20	23 57	0 4	8 35	6 45	9 38	9 34	21 2		n.a.
S 5	11 9	20 9	4 50	0 35	3 8	20 59	1 21	25 29	1 40	18 50	0 7	11 13	2 46	23 55	0 20	23 57	0 4	8 35	6 45	9 38	9 32	21 4		n.a.
M 6	11 30	15 7	4 14	0 2	3 2	21 19	1 23	25 27	1 39	18 53	0 7	11 14	2 45	23 55	0 20	23 57	0 4	8 34	6 45	9 38	9 31	21 7		n.a.
T 7	11 50	9 34	3 26	0n32	2 56	21 37	1 25	25 25	1 38	18 57	0 7	11 14	2 45	23 55	0 20	23 57	0 4	8 34	6 45	9 39	9 30	21 9		n.a.
W 8	12 11	3 45	2 30	1 9	2 49	21 55	1 27	25 22	1 38	19 0	0 7	11 15	2 45	23 55	0 20	23 57	0 4	8 34	6 44	9 39	9 29	21 12		n.a.
T 9	12 31	2s 8	1 27	1 47	2 42	22 12	1 29	25 20	1 37	19 3	0 7	11 15	2 45	23 55	0 20	23 57	0 4	8 33	6 44	9 39	9 28	21 14		n.a.
F 10	12 51	7 52	0 21	2 27	2 34	22 29	1 30	25 17	1 36	19 7	0 6	11 16	2 45	23 55	0 20	23 57	0 4	8 33	6 44	9 39	9 26	21 17		n.a.
S 11	13 10	13 17	0s45	3 9	2 25	22 45	1 32	25 15	1 35	19 10	0 6	11 16	2 44	23 55	0 20	23 57	0 4	8 32	6 44	9 39	9 25	21 19		n.a.
S 12	13 30	18 11	1 48	3 52	2 16	23 1	1 34	25 12	1 35	19 13	0 6	11 16	2 44	23 55	0 20	23 57	0 4	8 32	6 44	9 39	9 24	21 22		n.a.
M13	13 49	22 22	2 47	4 37	2 7	23 15	1 35	25 9	1 34	19 17	0 6	11 17	2 44	23 55	0 20	23 57	0 4	8 32	6 44	9 39	9 23	21 24		n.a.
T 14	14 8	25 39	3 38	5 23	1 57	23 30	1 37	25 5	1 33	19 20	0 6	11 17	2 44	23 55	0 20	23 57	0 4	8 31	6 44	9 38	9 22	21 27		n.a.
W15	14 27	27 50	4 21	6 10	1 47	23 43	1 38	25 2	1 33	19 23	0 6	11 17	2 43	23 55	0 20	23 57	0 4	8 31	6 44	9 37	9 20	21 29		n.a.
T 16	14 46	28 45	4 52	6 59	1 36	23 56	1 40	24 59	1 32	19 27	0 6	11 17	2 43	23 55	0 20	23 57	0 4	8 30	6 44	9 36	9 19	21 32		n.a.
F 17	15 4	28 18	5 11	7 48	1 25	24 8	1 41	24 55	1 31	19 30	0 6	11 18	2 43	23 55	0 20	23 57	0 4	8 30	6 44	9 36	9 18	21 34		n.a.
S 18	15 23	26 27	5 16	8 39	1 14	24 20	1 42	24 51	1 30	19 33	0 6	11 18	2 43	23 54	0 20	23 57	0 4	8 30	6 44	9 35	9 17	21 37		n.a.
S 19	15 41	23 17	5 6	9 30	1 3	24 31	1 44	24 47	1 30	19 36	0 5	11 18	2 43	23 54	0 20	23 57	0 4	8 29	6 43	9 35	9 16	21 39		n.a.
M20	15 58	18 55	4 40	10 22	0 52	24 41	1 45	24 43	1 29	19 40	0 5	11 18	2 42	23 54	0 20	23 57	0 4	8 29	6 43	9 35	9 14	21 41		n.a.
T 21	16 16	13 32	3 59	11 14	0 40	24 50	1 46	24 38	1 28	19 43	0 5	11 18	2 42	23 54	0 20	23 57	0 4	8 28	6 43	9 36	9 13	21 44		n.a.
W22	16 33	7 19	3 4	12 6	0 29	24 59	1 47	24 34	1 28	19 46	0 5	11 18	2 42	23 54	0 20	23 57	0 4	8 28	6 43	9 36	9 12	21 46		n.a.
T 23	16 50	0 33	1 55	12 59	0 17	25 7	1 48	24 29	1 27	19 49	0 5	11 18	2 42	23 54	0 20	23 57	0 4	8 28	6 43	9 36	9 11	21 49		n.a.
F 24	17 7	6n26	0 37	13 51	0 6	25 14	1 49	24 24	1 26	19 53	0 5	11 18	2 41	23 54	0 20	23 57	0 4	8 27	6 43	9 37	9 10	21 51		n.a.
S 25	17 23	13 15	0n45	14 43	0n 5	25 21	1 49	24 19	1 25	19 56	0 5	11 18	2 41	23 54	0 20	23 57	0 4	8 27	6 43	9 37	9 8	21 54		n.a.
S 26	17 40	19 24	2 5	15 33	0 16	25 27	1 50	24 14	1 25	19 59	0 5	11 17	2 41	23 54	0 20	23 57	0 4	8 27	6 43	9 36	9 7	21 56		n.a.
M27	17 56	24 19	3 16	16 23	0 26	25 32	1 51	24 9	1 24	20 2	0 5	11 17	2 41	23 53	0 20	23 57	0 4	8 26	6 42	9 35	9 6	21 58		n.a.
T 28	18 11	27 32	4 13	17 12	0 36	25 36	1 51	24 3	1 23	20 5	0 4	11 17	2 40	23 53	0 20	23 57	0 4	8 26	6 42	9 34	9 5	22 1		n.a.
W29	18 27	28 44	4 52	17 59	0 46	25 40	1 52	23 58	1 23	20 8	0 4	11 17	2 40	23 53	0 20	23 57	0 4	8 26	6 42	9 33	9 4	22 3		n.a.
T 30	18 42	27 53	5 11	18 44	0 55	25 42	1 52	23 52	1 22	20 11	0 4	11 16	2 40	23 53	0 20	23 57	0 4	8 25	6 42	9 32	9 2	22 6		n.a.
F 31	18n56	25n16	5n11	19n28	1n 4	25n45	1n53	23n46	1n21	20n14	0s 4	11n16	2n40	23s53	0s20	23n57	0n 4	8s25	6n42	9n31	9n 1	22s 8		n.a.

Julian Day Number = 1100618.5, Delta T = 11h03m13s
Ecliptic obliquity = 23°53'42, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°31'05, Lahiri = -27°24'04 Julian Calendar 1 May 1700 BCE == Greg. Calendar 17 Apr. 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

JUNE 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 38 56	24♉12'39	15♌ 0	23♉30	28♊33	20♋13	29♉11	7♍48	20°R28	2♋15	8°R56	24°R 3	22♈43	25♏24	n.a.	S 1
S 2	15 42 52	25° 9'47	28°11	25°39	29°44	20°49	29°25	7°49	20♐26	2°17	8♏55	24°D 3	22°40	25°30	n.a.	S 2
M 3	15 46 49	26° 6'55	10♍59	27°47	0♋55	21°25	29°38	7°49	20°24	2°19	8°53	24♈ 3	22°37	25°37	n.a.	M 3
T 4	15 50 45	27° 4'03	23°27	29°54	2° 6	22° 2	29°51	7°50	20°22	2°20	8°52	24° 5	22°34	25°44	n.a.	T 4
W 5	15 54 42	28° 1'11	5♎39	1♊59	3°17	22°38	0♊ 5	7°51	20°20	2°22	8°51	24° 6	22°30	25°50	n.a.	W 5
T 6	15 58 38	28°58'20	17°41	4° 4	4°28	23°15	0°18	7°52	20°18	2°24	8°49	24° 8	22°27	25°57	n.a.	T 6
F 7	16 2 35	29°55'29	29°35	6° 8	5°39	23°51	0°31	7°53	20°15	2°26	8°48	24°R 8	22°24	26° 4	n.a.	F 7
S 8	16 6 31	0♊52'39	11♏25	8°10	6°50	24°28	0°45	7°54	20°13	2°28	8°46	24° 6	22°21	26°10	n.a.	S 8
S 9	16 10 28	1°49'49	23°14	10°10	8° 0	25° 5	0°58	7°55	20°11	2°30	8°45	24° 3	22°18	26°17	n.a.	S 9
M10	16 14 25	2°47'01	5♐ 4	12° 9	9°11	25°41	1°12	7°56	20° 9	2°32	8°43	23°58	22°15	26°24	n.a.	M10
T 11	16 18 21	3°44'13	16°57	14° 6	10°22	26°18	1°25	7°58	20° 7	2°34	8°42	23°51	22°11	26°30	n.a.	T 11
W12	16 22 18	4°41'26	28°54	16° 2	11°32	26°55	1°38	7°59	20° 4	2°36	8°41	23°44	22° 8	26°37	n.a.	W12
T 13	16 26 14	5°38'41	10♑58	17°56	12°43	27°33	1°52	8° 1	20° 2	2°38	8°39	23°37	22° 5	26°44	n.a.	T 13
F 14	16 30 11	6°35'56	23°11	19°49	13°53	28°10	2° 5	8° 2	20° 0	2°40	8°38	23°30	22° 2	26°50	n.a.	F 14
S 15	16 34 7	7°33'12	5♒34	21°39	15° 4	28°47	2°18	8° 4	19°57	2°42	8°37	23°24	21°59	26°57	n.a.	S 15
S 16	16 38 4	8°30'30	18°11	23°28	16°14	29°24	2°32	8° 6	19°55	2°44	8°35	23°20	21°56	27° 4	n.a.	S 16
M17	16 42 1	9°27'49	1♓ 5	25°16	17°25	0♌ 2	2°45	8° 8	19°53	2°46	8°34	23°18	21°52	27°10	n.a.	M17
T 18	16 45 57	10°25'09	14°18	27° 2	18°35	0°39	2°58	8°10	19°50	2°48	8°33	23°D18	21°49	27°17	n.a.	T 18
W19	16 49 54	11°22'30	27°53	28°46	19°45	1°17	3°12	8°12	19°48	2°50	8°32	23°19	21°46	27°24	n.a.	W19
T 20	16 53 50	12°19'53	11♈52	0♋28	20°55	1°54	3°25	8°14	19°46	2°52	8°30	23°20	21°43	27°30	n.a.	T 20
F 21	16 57 47	13°17'17	26°15	2° 9	22° 5	2°32	3°38	8°17	19°43	2°55	8°29	23°R20	21°40	27°37	n.a.	F 21
S 22	17 1 43	14°14'43	11♉ 0	3°48	23°15	3°10	3°52	8°19	19°41	2°57	8°28	23°19	21°36	27°44	n.a.	S 22
S 23	17 5 40	15°12'10	26° 2	5°26	24°25	3°48	4° 5	8°22	19°38	2°59	8°27	23°16	21°33	27°50	n.a.	S 23
M24	17 9 36	16° 9'38	11♊13	7° 1	25°35	4°26	4°18	8°24	19°36	3° 1	8°26	23°10	21°30	27°57	n.a.	M24
T 25	17 13 33	17° 7'08	26°22	8°36	26°44	5° 4	4°31	8°27	19°34	3° 3	8°25	23° 3	21°27	28° 4	n.a.	T 25
W26	17 17 30	18° 4'39	11♋21	10° 8	27°54	5°42	4°44	8°30	19°31	3° 5	8°23	22°55	21°24	28°10	n.a.	W26
T 27	17 21 26	19° 2'11	26° 0	11°39	29° 4	6°20	4°58	8°33	19°29	3° 7	8°22	22°46	21°21	28°17	n.a.	T 27
F 28	17 25 23	19°59'45	10♌12	13° 9	0♌13	6°58	5°11	8°36	19°27	3°10	8°21	22°39	21°17	28°24	n.a.	F 28
S 29	17 29 19	20°57'19	23°55	14°36	1°23	7°37	5°24	8°39	19°24	3°12	8°20	22°34	21°14	28°31	n.a.	S 29
S 30	17 33 16	21♊54'54	7♍10	16♋ 2	2♌32	8♌15	5♊37	8♍42	19♐22	3♋14	8♏19	22♈31	21♈11	28♏37	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n11	21n18	4n53	20n 9	1n11	25n46	1n53	23n40	1n20	20n18	0s 4	11n16	2n39	23s53	0s20	23n57	0n 4	8s25	6n42	9n30	9n 0	22s10		n.a.
S 2	19 25	16 23	4 20	20 48	1 19	25 47	1 53	23 34	1 20	20 21	0 4	11 15	2 39	23 53	0 20	23 57	0 4	8 24	6 42	9 30	8 59	22 13		n.a.
M 3	19 39	10 53	3 34	21 25	1 25	25 46	1 53	23 27	1 19	20 24	0 4	11 15	2 39	23 53	0 20	23 57	0 4	8 24	6 41	9 30	8 58	22 15		n.a.
T 4	19 52	5 5	2 40	22 0	1 31	25 46	1 53	23 20	1 18	20 27	0 4	11 14	2 39	23 52	0 20	23 57	0 4	8 24	6 41	9 31	8 56	22 17		n.a.
W 5	20 6	0s46	1 39	22 31	1 36	25 44	1 53	23 14	1 18	20 30	0 4	11 14	2 38	23 52	0 20	23 57	0 4	8 23	6 41	9 31	8 55	22 20		n.a.
T 6	20 19	6 32	0 35	23 1	1 41	25 42	1 53	23 7	1 17	20 33	0 3	11 13	2 38	23 52	0 20	23 57	0 4	8 23	6 41	9 32	8 54	22 22		n.a.
F 7	20 31	12 0	0s30	23 27	1 44	25 39	1 52	23 0	1 16	20 36	0 3	11 12	2 38	23 52	0 20	23 57	0 4	8 23	6 41	9 32	8 53	22 25		n.a.
S 8	20 43	17 1	1 33	23 51	1 48	25 35	1 52	22 52	1 15	20 38	0 3	11 12	2 38	23 52	0 20	23 57	0 4	8 23	6 40	9 31	8 52	22 27		n.a.
S 9	20 55	21 23	2 32	24 13	1 50	25 30	1 52	22 45	1 15	20 41	0 3	11 11	2 37	23 52	0 20	23 57	0 4	8 22	6 40	9 30	8 50	22 29		n.a.
M10	21 7	24 53	3 24	24 31	1 52	25 25	1 51	22 37	1 14	20 44	0 3	11 10	2 37	23 52	0 20	23 57	0 4	8 22	6 40	9 28	8 49	22 32		n.a.
T 11	21 18	27 21	4 8	24 48	1 53	25 19	1 50	22 29	1 13	20 47	0 3	11 10	2 37	23 51	0 20	23 57	0 4	8 22	6 40	9 26	8 48	22 34		n.a.
W12	21 29	28 34	4 41	25 2	1 53	25 12	1 50	22 21	1 13	20 50	0 3	11 9	2 37	23 51	0 20	23 57	0 5	8 22	6 40	9 23	8 47	22 36		n.a.
T 13	21 39	28 26	5 1	25 13	1 53	25 5	1 49	22 13	1 12	20 53	0 3	11 8	2 36	23 51	0 20	23 57	0 5	8 21	6 39	9 20	8 46	22 38		n.a.
F 14	21 49	26 56	5 9	25 22	1 53	24 56	1 48	22 5	1 11	20 56	0 3	11 7	2 36	23 51	0 20	23 57	0 5	8 21	6 39	9 18	8 44	22 41		n.a.
S 15	21 59	24 6	5 2	25 29	1 51	24 48	1 47	21 57	1 10	20 59	0 3	11 6	2 36	23 51	0 20	23 57	0 5	8 21	6 39	9 16	8 43	22 43		n.a.
S 16	22 8	20 6	4 40	25 33	1 49	24 38	1 46	21 48	1 10	21 1	0 2	11 5	2 36	23 51	0 20	23 56	0 5	8 21	6 39	9 14	8 42	22 45		n.a.
M17	22 17	15 5	4 4	25 36	1 47	24 28	1 44	21 39	1 9	21 4	0 2	11 4	2 35	23 50	0 20	23 56	0 5	8 20	6 39	9 13	8 41	22 48		n.a.
T 18	22 26	9 17	3 15	25 36	1 44	24 17	1 43	21 30	1 8	21 7	0 2	11 3	2 35	23 50	0 20	23 56	0 5	8 20	6 38	9 13	8 40	22 50		n.a.
W19	22 34	2 53	2 13	25 34	1 41	24 5	1 42	21 21	1 8	21 10	0 2	11 2	2 35	23 50	0 20	23 56	0 5	8 20	6 38	9 14	8 38	22 52		n.a.
T 20	22 42	3n50	1 2	25 31	1 37	23 53	1 40	21 12	1 7	21 12	0 2	11 1	2 35	23 50	0 20	23 56	0 5	8 20	6 38	9 14	8 37	22 55		n.a.
F 21	22 50	10 34	0n16	25 25	1 33	23 40	1 39	21 2	1 6	21 15	0 2	11 0	2 34	23 50	0 20	23 56	0 5	8 20	6 38	9 14	8 36	22 57		n.a.
S 22	22 57	16 53	1 34	25 18	1 28	23 26	1 37	20 53	1 6	21 18	0 2	10 59	2 34	23 50	0 20	23 56	0 5	8 20	6 38	9 14	8 35	22 59		n.a.
S 23	23 3	22 19	2 46	25 10	1 23	23 12	1 35	20 43	1 5	21 20	0 2	10 58	2 34	23 49	0 20	23 56	0 5	8 19	6 37	9 12	8 33	23 1		n.a.
M24	23 10	26 19	3 48	25 0	1 17	22 57	1 33	20 33	1 4	21 23	0 2	10 56	2 34	23 49	0 20	23 56	0 5	8 19	6 37	9 10	8 32	23 4		n.a.
T 25	23 15	28 24	4 33	24 48	1 11	22 42	1 31	20 23	1 3	21 25	0 1	10 55	2 33	23 49	0 21	23 56	0 5	8 19	6 37	9 7	8 31	23 6		n.a.
W26	23 21	28 22	4 59	24 35	1 5	22 26	1 29	20 13	1 3	21 28	0 1	10 54	2 33	23 49	0 21	23 56	0 5	8 19	6 37	9 4	8 30	23 8		n.a.
T 27	23 26	26 20	5 5	24 21	0 59	22 9	1 27	20 3	1 2	21 31	0 1	10 53	2 33	23 49	0 21	23 56	0 5	8 19	6 36	9 1	8 29	23 10		n.a.
F 28	23 31	22 41	4 52	24 5	0 52	21 52	1 25	19 52	1 1	21 33	0 1	10 51	2 33	23 48	0 21	23 56	0 5	8 19	6 36	8 59	8 27	23 13		n.a.
S 29	23 35	17 54	4 21	23 49	0 44	21 34	1 22	19 41	1 1	21 36	0 1	10 50	2 33	23 48	0 21	23 56	0 5	8 19	6 36	8 57	8 26	23 15		n.a.
S 30	23n39	12n24	3n38	23n31	0n37	21n16	1n20	19n31	1n 0	21n38	0s 1	10n48	2n32	23s48	0s21	23n56	0n 5	8s19	6n36	8n56	8n25	23s17		n.a.

Julian Day Number = 1100649.5, Delta T = 11h03m11s
Ecliptic obliquity = 23°53'41, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°31'01, Lahiri = -27°24'00 Julian Calendar 1 June 1700 BCE == Greg. Calendar 18 May 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

JULY 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 37 12	22♊52'31	19♍58	17♋26	3♌41	8♌54	5♊50	8♍45	19°R19	3♋16	8°R18	22°D30	21♈ 8	28♏44	n.a.	M 1
T 2	17 41 9	23°50'08	2♎25	18°49	4°50	9°32	6° 3	8°48	19♐17	3°18	8♏17	22♈30	21° 5	28°51	n.a.	T 2
W 3	17 45 6	24°47'47	14°34	20°10	5°59	10°11	6°16	8°51	19°15	3°21	8°16	22°31	21° 2	28°57	n.a.	W 3
T 4	17 49 2	25°45'27	26°32	21°29	7° 8	10°50	6°29	8°55	19°12	3°23	8°15	22°R31	20°58	29° 4	n.a.	T 4
F 5	17 52 59	26°43'09	8♏23	22°46	8°17	11°28	6°42	8°58	19°10	3°25	8°15	22°30	20°55	29°11	n.a.	F 5
S 6	17 56 55	27°40'52	20°11	24° 1	9°26	12° 7	6°55	9° 2	19° 7	3°27	8°14	22°26	20°52	29°17	n.a.	S 6
S 7	18 0 52	28°38'36	2♐ 0	25°14	10°35	12°46	7° 8	9° 6	19° 5	3°29	8°13	22°20	20°49	29°24	n.a.	S 7
M 8	18 4 48	29°36'22	13°53	26°25	11°43	13°25	7°21	9°10	19° 3	3°32	8°12	22°12	20°46	29°31	n.a.	M 8
T 9	18 8 45	0♋34'09	25°53	27°33	12°52	14° 4	7°33	9°13	19° 0	3°34	8°11	22° 1	20°42	29°37	n.a.	T 9
W10	18 12 41	1°31'58	7♉59	28°40	14° 0	14°43	7°46	9°17	18°58	3°36	8°10	21°49	20°39	29°44	n.a.	W10
T 11	18 16 38	2°29'49	20°15	29°44	15° 8	15°22	7°59	9°21	18°56	3°38	8°10	21°36	20°36	29°51	n.a.	T 11
F 12	18 20 35	3°27'41	2♒40	0♌46	16°16	16° 2	8°12	9°25	18°54	3°41	8° 9	21°24	20°33	29°57	n.a.	F 12
S 13	18 24 31	4°25'36	15°15	1°45	17°24	16°41	8°24	9°30	18°51	3°43	8° 8	21°14	20°30	0♐ 4	n.a.	S 13
S 14	18 28 28	5°23'32	28° 2	2°42	18°32	17°21	8°37	9°34	18°49	3°45	8° 8	21° 7	20°27	0°11	n.a.	S 14
M15	18 32 24	6°21'30	11♓ 1	3°36	19°40	18° 0	8°50	9°38	18°47	3°47	8° 7	21° 2	20°23	0°17	n.a.	M15
T 16	18 36 21	7°19'30	24°16	4°26	20°48	18°40	9° 2	9°42	18°44	3°50	8° 6	21° 0	20°20	0°24	n.a.	T 16
W17	18 40 17	8°17'32	7♈47	5°13	21°55	19°19	9°15	9°47	18°42	3°52	8° 6	20°D59	20°17	0°31	n.a.	W17
T 18	18 44 14	9°15'37	21°37	5°57	23° 2	19°59	9°27	9°51	18°40	3°54	8° 5	20°R59	20°14	0°37	n.a.	T 18
F 19	18 48 10	10°13'43	5♉46	6°38	24°10	20°39	9°39	9°56	18°38	3°56	8° 5	20°59	20°11	0°44	n.a.	F 19
S 20	18 52 7	11°11'52	20°14	7°14	25°17	21°19	9°52	10° 1	18°36	3°58	8° 4	20°56	20° 8	0°51	n.a.	S 20
S 21	18 56 4	12°10'03	4♊59	7°46	26°24	21°59	10° 4	10° 5	18°34	4° 1	8° 4	20°52	20° 4	0°57	n.a.	S 21
M22	19 0 0	13° 8'16	19°53	8°14	27°30	22°39	10°16	10°10	18°31	4° 3	8° 3	20°44	20° 1	1° 4	n.a.	M22
T 23	19 3 57	14° 6'31	4♋50	8°37	28°37	23°19	10°28	10°15	18°29	4° 5	8° 3	20°34	19°58	1°11	n.a.	T 23
W24	19 7 53	15° 4'48	19°40	8°55	29°44	23°59	10°40	10°20	18°27	4° 7	8° 3	20°23	19°55	1°17	n.a.	W24
T 25	19 11 50	16° 3'07	4♌14	9° 8	0♍50	24°39	10°53	10°25	18°25	4° 9	8° 2	20°11	19°52	1°24	n.a.	T 25
F 26	19 15 46	17° 1'28	18°26	9°15	1°56	25°19	11° 5	10°30	18°23	4°12	8° 2	20° 1	19°48	1°31	n.a.	F 26
S 27	19 19 43	17°59'51	2♍11	9°R17	3° 2	26° 0	11°16	10°35	18°21	4°14	8° 2	19°53	19°45	1°38	n.a.	S 27
S 28	19 23 39	18°58'15	15°28	9°12	4° 8	26°40	11°28	10°40	18°19	4°16	8° 1	19°48	19°42	1°44	n.a.	S 28
M29	19 27 36	19°56'41	28°19	9° 1	5°14	27°21	11°40	10°45	18°17	4°18	8° 1	19°45	19°39	1°51	n.a.	M29
T 30	19 31 33	20°55'09	10♎48	8°43	6°19	28° 1	11°52	10°51	18°15	4°20	8° 1	19°44	19°36	1°58	n.a.	T 30
W31	19 35 29	21♋53'39	22♎58	8♌18	7♍25	28♌42	12♊ 4	10♍56	18♐14	4♋22	8♏ 1	19♈44	19♈33	2♐ 4	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23n42	6n34	2n45	23n12	0n29	20n57	1n17	19n20	0n59	21n41	0s 1	10n47	2n32	23s48	0s21	23n56	0n 5	8s19	6n35	8n55	8n24	23s19			n.a.
T 2	23 45	0 38	1 45	22 53	0 20	20 38	1 15	19 8	0 58	21 43	0 1	10 46	2 32	23 48	0 21	23 56	0 5	8 18	6 35	8 55	8 23	23 21			n.a.
W 3	23 47	5s12	0 42	22 33	0 12	20 18	1 12	18 57	0 58	21 45	0 1	10 44	2 32	23 47	0 21	23 56	0 5	8 18	6 35	8 55	8 21	23 24			n.a.
T 4	23 49	10 45	0s21	22 12	0 3	19 57	1 9	18 46	0 57	21 48	0 0	10 43	2 31	23 47	0 21	23 56	0 5	8 18	6 35	8 55	8 20	23 26			n.a.
F 5	23 51	15 53	1 24	21 50	0s 6	19 36	1 6	18 34	0 56	21 50	0 0	10 41	2 31	23 47	0 21	23 56	0 5	8 18	6 34	8 55	8 19	23 28			n.a.
S 6	23 52	20 24	2 22	21 28	0 15	19 15	1 3	18 22	0 56	21 52	0 0	10 39	2 31	23 47	0 21	23 56	0 5	8 18	6 34	8 54	8 18	23 30			n.a.
S 7	23 53	24 7	3 14	21 6	0 24	18 53	1 0	18 11	0 55	21 55	0 0	10 38	2 31	23 47	0 21	23 56	0 5	8 18	6 34	8 51	8 17	23 32			n.a.
M 8	23 54	26 50	3 58	20 43	0 34	18 30	0 57	17 58	0 54	21 57	0 0	10 36	2 31	23 47	0 21	23 56	0 5	8 18	6 33	8 48	8 15	23 34			n.a.
T 9	23 54	28 21	4 31	20 20	0 44	18 8	0 54	17 46	0 54	21 59	0n 0	10 34	2 30	23 46	0 21	23 56	0 5	8 18	6 33	8 44	8 14	23 37			n.a.
W10	23 53	28 31	4 53	19 56	0 54	17 44	0 50	17 34	0 53	22 1	0 0	10 33	2 30	23 46	0 21	23 56	0 5	8 18	6 33	8 39	8 13	23 39			n.a.
T 11	23 52	27 18	5 1	19 33	1 4	17 21	0 47	17 22	0 52	22 4	0 0	10 31	2 30	23 46	0 21	23 55	0 5	8 18	6 33	8 35	8 12	23 41			n.a.
F 12	23 51	24 44	4 56	19 10	1 14	16 57	0 43	17 9	0 51	22 6	0 0	10 29	2 30	23 46	0 21	23 55	0 5	8 18	6 32	8 30	8 10	23 43			n.a.
S 13	23 49	20 57	4 36	18 46	1 25	16 32	0 40	16 56	0 51	22 8	0 1	10 27	2 29	23 46	0 21	23 55	0 5	8 18	6 32	8 26	8 9	23 45			n.a.
S 14	23 47	16 9	4 2	18 23	1 35	16 7	0 36	16 43	0 50	22 10	0 1	10 26	2 29	23 45	0 21	23 55	0 5	8 18	6 32	8 23	8 8	23 47			n.a.
M15	23 44	10 34	3 15	18 1	1 45	15 42	0 32	16 30	0 49	22 12	0 1	10 24	2 29	23 45	0 21	23 55	0 5	8 19	6 32	8 22	8 7	23 49			n.a.
T 16	23 41	4 24	2 16	17 38	1 56	15 17	0 28	16 17	0 49	22 14	0 1	10 22	2 29	23 45	0 21	23 55	0 5	8 19	6 31	8 21	8 6	23 52			n.a.
W17	23 38	2n 5	1 9	17 17	2 7	14 51	0 24	16 4	0 48	22 16	0 1	10 20	2 29	23 45	0 21	23 55	0 5	8 19	6 31	8 21	8 4	23 54			n.a.
T 18	23 34	8 38	0n 3	16 56	2 17	14 25	0 20	15 50	0 47	22 18	0 1	10 18	2 28	23 45	0 21	23 55	0 5	8 19	6 31	8 21	8 3	23 56			n.a.
F 19	23 29	14 54	1 17	16 35	2 28	13 58	0 16	15 37	0 46	22 20	0 1	10 16	2 28	23 44	0 21	23 55	0 5	8 19	6 30	8 20	8 2	23 58			n.a.
S 20	23 25	20 31	2 28	16 16	2 38	13 31	0 12	15 23	0 46	22 22	0 1	10 14	2 28	23 44	0 21	23 55	0 5	8 19	6 30	8 19	8 1	24 0			n.a.
S 21	23 20	24 58	3 30	15 58	2 48	13 4	0 7	15 9	0 45	22 24	0 1	10 12	2 28	23 44	0 21	23 55	0 5	8 19	6 30	8 18	7 59	24 2			n.a.
M22	23 14	27 48	4 18	15 41	2 58	12 37	0 3	14 55	0 44	22 26	0 2	10 10	2 28	23 44	0 21	23 55	0 5	8 19	6 29	8 15	7 58	24 4			n.a.
T 23	23 8	28 37	4 49	15 26	3 8	12 9	0s 2	14 41	0 44	22 28	0 2	10 8	2 28	23 44	0 21	23 55	0 5	8 19	6 29	8 11	7 57	24 6			n.a.
W24	23 1	27 22	5 0	15 12	3 17	11 41	0 6	14 27	0 43	22 30	0 2	10 6	2 27	23 43	0 21	23 55	0 5	8 20	6 29	8 6	7 56	24 8			n.a.
T 25	22 54	24 16	4 51	15 0	3 26	11 13	0 11	14 13	0 42	22 32	0 2	10 4	2 27	23 43	0 21	23 55	0 5	8 20	6 29	8 2	7 55	24 10			n.a.
F 26	22 47	19 46	4 25	14 50	3 35	10 45	0 16	13 58	0 41	22 34	0 2	10 2	2 27	23 43	0 21	23 55	0 5	8 20	6 28	7 58	7 53	24 13			n.a.
S 27	22 39	14 21	3 43	14 42	3 43	10 16	0 20	13 44	0 41	22 36	0 2	10 0	2 27	23 43	0 21	23 55	0 5	8 20	6 28	7 55	7 52	24 15			n.a.
S 28	22 31	8 26	2 50	14 36	3 50	9 47	0 25	13 29	0 40	22 37	0 2	9 58	2 27	23 43	0 21	23 55	0 5	8 20	6 28	7 53	7 51	24 17			n.a.
M29	22 23	2 22	1 51	14 33	3 56	9 18	0 30	13 14	0 39	22 39	0 2	9 55	2 27	23 43	0 21	23 54	0 5	8 21	6 27	7 52	7 50	24 19			n.a.
T 30	22 14	3s38	0 47	14 33	4 1	8 49	0 35	12 59	0 39	22 41	0 2	9 53	2 26	23 42	0 21	23 54	0 5	8 21	6 27	7 51	7 48	24 21			n.a.
W31	22n 5	9s22	0s17	14n35	4s 5	8n20	0s40	12n44	0n38	22n43	0n 3	9n51	2n26	23s42	0s21	23n54	0n 5	8s21	6n27	7n51	7n47	24s23			n.a.

Julian Day Number = 1100679.5, Delta T = 11h03m09s
Ecliptic obliquity = 23°53'41, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'56, Lahiri = -27°23'56 Julian Calendar 1 July 1700 BCE == Greg. Calendar 17 June 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

AUGUST 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 39 26	22♋52'10	4♏56	7°R47	8♍30	29♌23	12♊15	11♍ 2	18°R12	4♋25	8°R 1	19°R43	19♈29	2♐11	n.a.	T 1
F 2	19 43 22	23°50'44	16°47	7♌ 9	9°35	0♍ 3	12°27	11° 7	18♐10	4°27	8♏ 1	19♈42	19°26	2°18	n.a.	F 2
S 3	19 47 19	24°49'19	28°36	6°26	10°40	0°44	12°38	11°13	18° 8	4°29	8° 0	19°38	19°23	2°24	n.a.	S 3
S 4	19 51 15	25°47'56	10♐27	5°36	11°44	1°25	12°50	11°18	18° 6	4°31	8°D 0	19°31	19°20	2°31	n.a.	S 4
M 5	19 55 12	26°46'35	22°25	4°41	12°48	2° 6	13° 1	11°24	18° 5	4°33	8° 0	19°22	19°17	2°38	n.a.	M 5
T 6	19 59 8	27°45'16	4♑32	3°42	13°52	2°47	13°12	11°30	18° 3	4°35	8° 0	19°11	19°14	2°44	n.a.	T 6
W 7	20 3 5	28°43'59	16°50	2°40	14°56	3°28	13°23	11°35	18° 1	4°37	8° 1	18°58	19°10	2°51	n.a.	W 7
T 8	20 7 1	29°42'44	29°20	1°36	16° 0	4° 9	13°34	11°41	18° 0	4°39	8° 1	18°44	19° 7	2°58	n.a.	T 8
F 9	20 10 58	0♌41'32	12♒ 2	0°31	17° 3	4°51	13°45	11°47	17°58	4°41	8° 1	18°32	19° 4	3° 4	n.a.	F 9
S 10	20 14 55	1°40'21	24°55	29♋28	18° 6	5°32	13°56	11°53	17°57	4°43	8° 1	18°21	19° 1	3°11	n.a.	S 10
S 11	20 18 51	2°39'13	8♓ 0	28°27	19° 9	6°13	14° 7	11°59	17°55	4°45	8° 1	18°13	18°58	3°18	n.a.	S 11
M12	20 22 48	3°38'07	21°15	27°31	20°12	6°55	14°18	12° 5	17°54	4°47	8° 1	18° 7	18°54	3°24	n.a.	M12
T 13	20 26 44	4°37'03	4♈42	26°41	21°14	7°36	14°29	12°11	17°52	4°49	8° 2	18° 5	18°51	3°31	n.a.	T 13
W14	20 30 41	5°36'02	18°19	25°58	22°16	8°18	14°39	12°17	17°51	4°51	8° 2	18°D 4	18°48	3°38	n.a.	W14
T 15	20 34 37	6°35'03	2♉ 9	25°23	23°18	9° 0	14°50	12°23	17°50	4°53	8° 2	18°R 5	18°45	3°45	n.a.	T 15
F 16	20 38 34	7°34'07	16°10	24°57	24°19	9°41	15° 0	12°29	17°48	4°55	8° 3	18° 4	18°42	3°51	n.a.	F 16
S 17	20 42 30	8°33'13	0♊24	24°42	25°20	10°23	15°10	12°35	17°47	4°57	8° 3	18° 3	18°39	3°58	n.a.	S 17
S 18	20 46 27	9°32'22	14°48	24°D36	26°21	11° 5	15°21	12°42	17°46	4°59	8° 3	17°58	18°35	4° 5	n.a.	S 18
M19	20 50 23	10°31'34	29°19	24°41	27°21	11°47	15°31	12°48	17°45	5° 1	8° 4	17°52	18°32	4°11	n.a.	M19
T 20	20 54 20	11°30'48	13♋51	24°56	28°21	12°29	15°41	12°54	17°44	5° 3	8° 4	17°43	18°29	4°18	n.a.	T 20
W21	20 58 17	12°30'04	28°19	25°20	29°21	13°11	15°51	13° 1	17°43	5° 5	8° 5	17°32	18°26	4°25	n.a.	W21
T 22	21 2 13	13°29'22	12♌35	25°55	0♎21	13°53	16° 1	13° 7	17°42	5° 7	8° 5	17°22	18°23	4°31	n.a.	T 22
F 23	21 6 10	14°28'43	26°34	26°38	1°20	14°35	16°10	13°14	17°41	5° 8	8° 6	17°13	18°20	4°38	n.a.	F 23
S 24	21 10 6	15°28'05	10♍11	27°30	2°18	15°18	16°20	13°20	17°40	5°10	8° 7	17° 5	18°16	4°45	n.a.	S 24
S 25	21 14 3	16°27'30	23°24	28°30	3°16	16° 0	16°29	13°27	17°39	5°12	8° 7	17° 0	18°13	4°51	n.a.	S 25
M26	21 17 59	17°26'57	6♎14	29°36	4°14	16°43	16°39	13°33	17°38	5°14	8° 8	16°57	18°10	4°58	n.a.	M26
T 27	21 21 56	18°26'26	18°44	0♌49	5°11	17°25	16°48	13°40	17°37	5°16	8° 9	16°D57	18° 7	5° 5	n.a.	T 27
W28	21 25 52	19°25'56	0♏55	2° 7	6° 8	18° 8	16°57	13°46	17°36	5°17	8° 9	16°57	18° 4	5°11	n.a.	W28
T 29	21 29 49	20°25'29	12°55	3°29	7° 5	18°50	17° 6	13°53	17°36	5°19	8°10	16°58	18° 0	5°18	n.a.	T 29
F 30	21 33 45	21°25'04	24°47	4°56	8° 1	19°33	17°15	14° 0	17°35	5°21	8°11	16°R59	17°57	5°25	n.a.	F 30
S 31	21 37 42	22♌24'40	6♐37	6♌27	8♎56	20♍16	17♊24	14♍ 7	17♐34	5♋22	8♏12	16♈57	17♈54	5♐32	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21n55	14s40	1s20	14n41	4s 8	7n51	0s45	12n29	0n37	22n44	0n 3	9n49	2n26	23s42	0s21	23n54	0n 5	8s21	6n26	7n51	7n46	24s25			n.a.
F 2	21 45	19 22	2 18	14 49	4 9	7 21	0 50	12 14	0 36	22 46	0 3	9 46	2 26	23 42	0 21	23 54	0 5	8 22	6 26	7 51	7 45	24 27			n.a.
S 3	21 34	23 19	3 10	15 1	4 8	6 51	0 56	11 59	0 36	22 47	0 3	9 44	2 26	23 42	0 21	23 54	0 5	8 22	6 26	7 49	7 44	24 29			n.a.
S 4	21 23	26 18	3 54	15 15	4 6	6 21	1 1	11 43	0 35	22 49	0 3	9 42	2 26	23 42	0 21	23 54	0 5	8 22	6 26	7 47	7 42	24 31			n.a.
M 5	21 12	28 8	4 28	15 33	4 2	5 52	1 6	11 27	0 34	22 51	0 3	9 39	2 25	23 41	0 21	23 54	0 5	8 22	6 25	7 43	7 41	24 33			n.a.
T 6	21 0	28 39	4 51	15 53	3 56	5 22	1 12	11 12	0 34	22 52	0 3	9 37	2 25	23 41	0 21	23 54	0 5	8 23	6 25	7 39	7 40	24 35			n.a.
W 7	20 48	27 46	5 0	16 15	3 47	4 52	1 17	10 56	0 33	22 54	0 3	9 35	2 25	23 41	0 21	23 54	0 5	8 23	6 25	7 34	7 39	24 37			n.a.
T 8	20 36	25 29	4 55	16 39	3 37	4 22	1 23	10 40	0 32	22 55	0 4	9 32	2 25	23 41	0 21	23 54	0 5	8 23	6 24	7 29	7 37	24 39			n.a.
F 9	20 23	21 55	4 36	17 5	3 25	3 52	1 28	10 24	0 32	22 57	0 4	9 30	2 25	23 41	0 21	23 54	0 5	8 24	6 24	7 24	7 36	24 41			n.a.
S 10	20 10	17 15	4 2	17 33	3 11	3 21	1 34	10 8	0 31	22 58	0 4	9 28	2 25	23 41	0 21	23 54	0 5	8 24	6 24	7 20	7 35	24 43			n.a.
S 11	19 56	11 44	3 15	18 0	2 55	2 51	1 39	9 52	0 30	23 0	0 4	9 25	2 25	23 41	0 21	23 54	0 5	8 24	6 23	7 16	7 34	24 45			n.a.
M12	19 43	5 37	2 17	18 28	2 38	2 21	1 45	9 36	0 29	23 1	0 4	9 23	2 24	23 40	0 21	23 54	0 5	8 25	6 23	7 14	7 33	24 47			n.a.
T 13	19 28	0n50	1 10	18 56	2 20	1 51	1 51	9 19	0 29	23 2	0 4	9 20	2 24	23 40	0 21	23 54	0 5	8 25	6 23	7 13	7 31	24 49			n.a.
W14	19 14	7 20	0n 1	19 23	2 1	1 21	1 56	9 3	0 28	23 4	0 4	9 18	2 24	23 40	0 21	23 54	0 5	8 25	6 22	7 13	7 30	24 50			n.a.
T 15	18 59	13 36	1 14	19 48	1 42	0 51	2 2	8 46	0 27	23 5	0 4	9 15	2 24	23 40	0 21	23 53	0 5	8 26	6 22	7 13	7 29	24 52			n.a.
F 16	18 44	19 16	2 23	20 12	1 22	0 21	2 8	8 29	0 27	23 6	0 4	9 13	2 24	23 40	0 21	23 53	0 5	8 26	6 22	7 13	7 28	24 54			n.a.
S 17	18 28	23 57	3 25	20 34	1 3	0s 9	2 14	8 13	0 26	23 8	0 5	9 10	2 24	23 40	0 21	23 53	0 5	8 27	6 22	7 12	7 26	24 56			n.a.
S 18	18 12	27 13	4 14	20 53	0 44	0 39	2 20	7 56	0 25	23 9	0 5	9 8	2 24	23 40	0 21	23 53	0 5	8 27	6 21	7 11	7 25	24 58			n.a.
M19	17 56	28 41	4 47	21 10	0 26	1 9	2 26	7 39	0 24	23 10	0 5	9 5	2 24	23 40	0 21	23 53	0 5	8 28	6 21	7 8	7 24	25 0			n.a.
T 20	17 39	28 10	5 2	21 25	0 8	1 39	2 31	7 22	0 24	23 11	0 5	9 2	2 24	23 39	0 21	23 53	0 5	8 28	6 21	7 5	7 23	25 2			n.a.
W21	17 23	25 44	4 57	21 37	0n 8	2 8	2 37	7 5	0 23	23 13	0 5	9 0	2 23	23 39	0 21	23 53	0 5	8 28	6 20	7 1	7 21	25 4			n.a.
T 22	17 5	21 44	4 34	21 45	0 24	2 38	2 43	6 48	0 22	23 14	0 5	8 57	2 23	23 39	0 21	23 53	0 5	8 29	6 20	6 57	7 20	25 6			n.a.
F 23	16 48	16 34	3 55	21 51	0 38	3 7	2 49	6 30	0 22	23 15	0 5	8 55	2 23	23 39	0 21	23 53	0 5	8 29	6 20	6 53	7 19	25 8			n.a.
S 24	16 30	10 42	3 3	21 53	0 51	3 36	2 55	6 13	0 21	23 16	0 6	8 52	2 23	23 39	0 21	23 53	0 5	8 30	6 19	6 50	7 18	25 10			n.a.
S 25	16 12	4 32	2 2	21 52	1 3	4 5	3 1	5 56	0 20	23 17	0 6	8 49	2 23	23 39	0 21	23 53	0 5	8 30	6 19	6 48	7 17	25 11			n.a.
M26	15 54	1s39	0 57	21 49	1 13	4 34	3 7	5 38	0 19	23 18	0 6	8 47	2 23	23 39	0 21	23 53	0 5	8 31	6 19	6 47	7 15	25 13			n.a.
T 27	15 35	7 37	0s10	21 42	1 22	5 3	3 13	5 21	0 19	23 19	0 6	8 44	2 23	23 39	0 21	23 53	0 6	8 31	6 18	6 47	7 14	25 15			n.a.
W28	15 16	13 10	1 14	21 32	1 30	5 31	3 19	5 3	0 18	23 20	0 6	8 41	2 23	23 39	0 20	23 53	0 6	8 32	6 18	6 47	7 13	25 17			n.a.
T 29	14 57	18 9	2 15	21 19	1 37	5 59	3 25	4 46	0 17	23 22	0 6	8 39	2 23	23 39	0 20	23 53	0 6	8 32	6 18	6 47	7 12	25 19			n.a.
F 30	14 38	22 22	3 9	21 3	1 43	6 27	3 31	4 28	0 16	23 23	0 6	8 36	2 23	23 39	0 20	23 53	0 6	8 33	6 18	6 48	7 10	25 21			n.a.
S 31	14n18	25s40	3s54	20n45	1n48	6s55	3s37	4n10	0n16	23n24	0n 6	8n33	2n23	23s38	0s20	23n53	0n 6	8s33	6n17	6n47	7n 9	25s22			n.a.

Julian Day Number = 1100710.5, Delta T = 11h03m07s
Ecliptic obliquity = 23°53'41, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'52, Lahiri = -27°23'52 Julian Calendar 1 Aug. 1700 BCE == Greg. Calendar 18 July 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

SEPTEMBER 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 41 39	23♌24'19	18♐30	8♌ 0	9♎51	20♍58	17♊33	14♍13	17°R34	5♋24	8♏12	16°R54	17♈51	5♐38	n.a.	S 1
M 2	21 45 35	24°23'59	0♑31	9°35	10°45	21°41	17°41	14°20	17♐33	5°26	8°13	16♈48	17°48	5°45	n.a.	M 2
T 3	21 49 32	25°23'42	12°44	11°13	11°39	22°24	17°50	14°27	17°33	5°27	8°14	16°41	17°45	5°52	n.a.	T 3
W 4	21 53 28	26°23'26	25°10	12°52	12°32	23° 7	17°58	14°34	17°32	5°29	8°15	16°32	17°41	5°58	n.a.	W 4
T 5	21 57 25	27°23'12	7♒53	14°32	13°24	23°50	18° 6	14°41	17°32	5°30	8°16	16°23	17°38	6° 5	n.a.	T 5
F 6	22 1 21	28°23'01	20°52	16°13	14°16	24°33	18°14	14°47	17°32	5°32	8°17	16°14	17°35	6°12	n.a.	F 6
S 7	22 5 18	29°22'51	4♓ 6	17°55	15° 7	25°17	18°22	14°54	17°31	5°33	8°18	16° 7	17°32	6°18	n.a.	S 7
S 8	22 9 14	0♍22'43	17°34	19°37	15°58	26° 0	18°30	15° 1	17°31	5°35	8°19	16° 2	17°29	6°25	n.a.	S 8
M 9	22 13 11	1°22'38	1♈14	21°19	16°47	26°43	18°38	15° 8	17°31	5°36	8°20	15°58	17°25	6°32	n.a.	M 9
T 10	22 17 8	2°22'35	15° 3	23° 2	17°36	27°26	18°45	15°15	17°31	5°38	8°22	15°D57	17°22	6°38	n.a.	T 10
W11	22 21 4	3°22'34	29° 0	24°44	18°24	28°10	18°53	15°22	17°31	5°39	8°23	15°58	17°19	6°45	n.a.	W11
T 12	22 25 1	4°22'36	13♉ 2	26°26	19°12	28°53	19° 0	15°29	17°D31	5°40	8°24	15°59	17°16	6°52	n.a.	T 12
F 13	22 28 57	5°22'40	27° 8	28° 8	19°58	29°37	19° 7	15°36	17°31	5°42	8°25	16° 0	17°13	6°58	n.a.	F 13
S 14	22 32 54	6°22'46	11♊17	29°50	20°44	0♎21	19°14	15°43	17°31	5°43	8°26	16°R 1	17°10	7° 5	n.a.	S 14
S 15	22 36 50	7°22'55	25°27	1♍32	21°28	1° 4	19°21	15°50	17°31	5°44	8°28	15°59	17° 6	7°12	n.a.	S 15
M16	22 40 47	8°23'06	9♋36	3°13	22°12	1°48	19°27	15°57	17°31	5°45	8°29	15°56	17° 3	7°19	n.a.	M16
T 17	22 44 43	9°23'19	23°42	4°53	22°55	2°32	19°34	16° 4	17°32	5°47	8°30	15°51	17° 0	7°25	n.a.	T 17
W18	22 48 40	10°23'35	7♌41	6°34	23°37	3°16	19°40	16°11	17°32	5°48	8°32	15°46	16°57	7°32	n.a.	W18
T 19	22 52 36	11°23'52	21°30	8°14	24°17	4° 0	19°47	16°18	17°32	5°49	8°33	15°40	16°54	7°39	n.a.	T 19
F 20	22 56 33	12°24'12	5♍ 5	9°53	24°57	4°44	19°53	16°25	17°33	5°50	8°34	15°35	16°51	7°45	n.a.	F 20
S 21	23 0 30	13°24'33	18°24	11°32	25°35	5°28	19°58	16°32	17°33	5°51	8°36	15°31	16°47	7°52	n.a.	S 21
S 22	23 4 26	14°24'56	1♎24	13°10	26°12	6°12	20° 4	16°39	17°34	5°52	8°37	15°28	16°44	7°59	n.a.	S 22
M23	23 8 23	15°25'22	14° 7	14°49	26°48	6°56	20°10	16°46	17°34	5°53	8°39	15°D27	16°41	8° 5	n.a.	M23
T 24	23 12 19	16°25'48	26°32	16°26	27°22	7°40	20°15	16°53	17°35	5°54	8°40	15°28	16°38	8°12	n.a.	T 24
W25	23 16 16	17°26'17	8♏43	18° 3	27°55	8°24	20°20	17° 0	17°35	5°55	8°42	15°29	16°35	8°19	n.a.	W25
T 26	23 20 12	18°26'47	20°43	19°40	28°27	9° 9	20°26	17° 7	17°36	5°56	8°43	15°31	16°31	8°26	n.a.	T 26
F 27	23 24 9	19°27'19	2♐35	21°17	28°57	9°53	20°30	17°15	17°37	5°57	8°45	15°33	16°28	8°32	n.a.	F 27
S 28	23 28 5	20°27'52	14°26	22°53	29°26	10°38	20°35	17°22	17°38	5°58	8°46	15°34	16°25	8°39	n.a.	S 28
S 29	23 32 2	21°28'27	26°19	24°28	29°53	11°22	20°40	17°29	17°39	5°59	8°48	15°R34	16°22	8°46	n.a.	S 29
M30	23 35 59	22♍29'03	8♑20	26♍ 4	0♏18	12♎ 7	20♊44	17♍36	17♐39	6♋ 0	8♏50	15♈33	16♈19	8♐52	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n58	27s52	4s30	20n24	1n51	7s22	3s43	3n52	0n15	23n24	0n 7	8n30	2n22	23s38	0s20	23n53	0n 6	8s34	6n17	6n46	7n 8	25s24		n.a.
M 2	13 38	28 48	4 54	20 1	1 54	7 49	3 48	3 35	0 14	23 25	0 7	8 28	2 22	23 38	0 20	23 52	0 6	8 35	6 17	6 44	7 7	25 26		n.a.
T 3	13 18	28 21	5 6	19 36	1 56	8 16	3 54	3 17	0 14	23 26	0 7	8 25	2 22	23 38	0 20	23 52	0 6	8 35	6 16	6 41	7 5	25 28		n.a.
W 4	12 57	26 28	5 3	19 8	1 57	8 43	4 0	2 59	0 13	23 27	0 7	8 22	2 22	23 38	0 20	23 52	0 6	8 36	6 16	6 37	7 4	25 30		n.a.
T 5	12 37	23 14	4 45	18 39	1 57	9 9	4 6	2 41	0 12	23 28	0 7	8 19	2 22	23 38	0 20	23 52	0 6	8 36	6 16	6 34	7 3	25 32		n.a.
F 6	12 16	18 48	4 13	18 8	1 57	9 35	4 11	2 23	0 12	23 29	0 7	8 17	2 22	23 38	0 20	23 52	0 6	8 37	6 16	6 30	7 2	25 33		n.a.
S 7	11 54	13 23	3 26	17 35	1 56	10 0	4 17	2 5	0 11	23 30	0 7	8 14	2 22	23 38	0 20	23 52	0 6	8 38	6 15	6 27	7 0	25 35		n.a.
S 8	11 33	7 15	2 27	17 1	1 54	10 25	4 23	1 46	0 10	23 31	0 8	8 11	2 22	23 38	0 20	23 52	0 6	8 38	6 15	6 25	6 59	25 37		n.a.
M 9	11 11	0 42	1 19	16 26	1 52	10 50	4 28	1 28	0 9	23 32	0 8	8 8	2 22	23 38	0 20	23 52	0 6	8 39	6 15	6 24	6 58	25 39		n.a.
T 10	10 49	5n58	0 5	15 49	1 50	11 14	4 34	1 10	0 9	23 32	0 8	8 6	2 22	23 38	0 20	23 52	0 6	8 39	6 14	6 24	6 57	25 40		n.a.
W11	10 27	12 25	1n10	15 12	1 47	11 38	4 39	0 52	0 8	23 33	0 8	8 3	2 22	23 38	0 20	23 52	0 6	8 40	6 14	6 24	6 56	25 42		n.a.
T 12	10 5	18 17	2 21	14 33	1 43	12 1	4 44	0 34	0 7	23 34	0 8	8 0	2 22	23 38	0 20	23 52	0 6	8 41	6 14	6 24	6 54	25 44		n.a.
F 13	9 43	23 12	3 25	13 54	1 39	12 24	4 50	0 15	0 7	23 35	0 8	7 57	2 22	23 38	0 20	23 52	0 6	8 41	6 14	6 25	6 53	25 46		n.a.
S 14	9 20	26 46	4 16	13 13	1 35	12 47	4 55	0s 3	0 6	23 35	0 8	7 55	2 22	23 38	0 20	23 52	0 6	8 42	6 13	6 25	6 52	25 47		n.a.
S 15	8 58	28 40	4 51	12 32	1 31	13 8	5 0	0 21	0 5	23 36	0 9	7 52	2 22	23 38	0 20	23 52	0 6	8 43	6 13	6 24	6 51	25 49		n.a.
M16	8 35	28 40	5 9	11 51	1 26	13 30	5 5	0 40	0 4	23 37	0 9	7 49	2 22	23 38	0 20	23 52	0 6	8 43	6 13	6 23	6 49	25 51		n.a.
T 17	8 12	26 49	5 8	11 9	1 21	13 51	5 9	0 58	0 4	23 37	0 9	7 46	2 22	23 38	0 20	23 52	0 6	8 44	6 12	6 21	6 48	25 53		n.a.
W18	7 49	23 20	4 48	10 26	1 16	14 11	5 14	1 16	0 3	23 38	0 9	7 43	2 22	23 38	0 20	23 52	0 6	8 45	6 12	6 19	6 47	25 54		n.a.
T 19	7 25	18 34	4 12	9 43	1 10	14 30	5 19	1 35	0 2	23 39	0 9	7 40	2 22	23 38	0 20	23 52	0 6	8 45	6 12	6 17	6 46	25 56		n.a.
F 20	7 2	12 57	3 23	9 0	1 4	14 50	5 23	1 53	0 2	23 39	0 9	7 38	2 22	23 38	0 20	23 52	0 6	8 46	6 12	6 15	6 44	25 58		n.a.
S 21	6 38	6 51	2 23	8 16	0 59	15 8	5 27	2 12	0 1	23 40	0 10	7 35	2 22	23 38	0 20	23 52	0 6	8 47	6 11	6 13	6 43	25 59		n.a.
S 22	6 15	0 36	1 16	7 33	0 53	15 26	5 31	2 30	0 0	23 41	0 10	7 32	2 22	23 38	0 20	23 52	0 6	8 47	6 11	6 12	6 42	26 1		n.a.
M23	5 51	5s33	0 7	6 48	0 47	15 43	5 35	2 49	0s 1	23 41	0 10	7 29	2 22	23 38	0 20	23 52	0 6	8 48	6 11	6 12	6 41	26 3		n.a.
T 24	5 27	11 22	1s 0	6 4	0 41	15 59	5 39	3 7	0 1	23 42	0 10	7 26	2 22	23 38	0 20	23 52	0 6	8 49	6 11	6 12	6 39	26 4		n.a.
W25	5 3	16 38	2 4	5 20	0 34	16 15	5 43	3 25	0 2	23 42	0 10	7 24	2 22	23 38	0 20	23 52	0 6	8 50	6 10	6 13	6 38	26 6		n.a.
T 26	4 39	21 11	3 2	4 35	0 28	16 29	5 46	3 44	0 3	23 43	0 10	7 21	2 22	23 38	0 20	23 52	0 6	8 50	6 10	6 13	6 37	26 8		n.a.
F 27	4 15	24 50	3 51	3 51	0 22	16 44	5 49	4 2	0 3	23 43	0 10	7 18	2 22	23 38	0 20	23 51	0 6	8 51	6 10	6 14	6 36	26 9		n.a.
S 28	3 51	27 26	4 30	3 7	0 15	16 57	5 52	4 21	0 4	23 44	0 11	7 15	2 22	23 39	0 20	23 51	0 6	8 52	6 10	6 14	6 34	26 11		n.a.
S 29	3 27	28 48	4 57	2 22	0 9	17 9	5 55	4 39	0 5	23 44	0 11	7 12	2 22	23 39	0 20	23 51	0 6	8 53	6 9	6 14	6 33	26 13		n.a.
M30	3n 2	28s49	5s12	1n38	0n 2	17s20	5s57	4s58	0s 5	23n45	0n11	7n10	2n22	23s39	0s20	23n51	0n 6	8s53	6n 9	6n14	6n32	26s14		n.a.

Julian Day Number = 1100741.5, Delta T = 11h03m05s
Ecliptic obliquity = 23°53'42, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'48, Lahiri = -27°23'48 Julian Calendar 1 Sept. 1700 BCE == Greg. Calendar 18 Aug. 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

OCTOBER 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 39 55	23♍29'40	20♉33	27♍39	0♏42	12♎51	20♊48	17♍43	17♐40	6♋ 0	8♏51	15°R31	16♈16	8♐59	n.a.	T 1
W 2	23 43 52	24°30'19	3♒ 2	29°14	1° 3	13°36	20°53	17°50	17°41	6° 1	8°53	15♈28	16°12	9° 6	n.a.	W 2
T 3	23 47 48	25°31'00	15°50	0♎48	1°23	14°21	20°56	17°57	17°43	6° 2	8°55	15°25	16° 9	9°12	n.a.	T 3
F 4	23 51 45	26°31'41	28°59	2°22	1°41	15° 6	21° 0	18° 4	17°44	6° 3	8°56	15°22	16° 6	9°19	n.a.	F 4
S 5	23 55 41	27°32'24	12♓29	3°56	1°57	15°50	21° 4	18°11	17°45	6° 3	8°58	15°19	16° 3	9°26	n.a.	S 5
S 6	23 59 38	28°33'09	26°18	5°29	2°10	16°35	21° 7	18°18	17°46	6° 4	9° 0	15°17	16° 0	9°32	n.a.	S 6
M 7	0 3 34	29°33'55	10♈24	7° 3	2°22	17°20	21°10	18°25	17°47	6° 4	9° 2	15°D17	15°57	9°39	n.a.	M 7
T 8	0 7 31	0♎34'43	24°42	8°36	2°31	18° 5	21°13	18°32	17°49	6° 5	9° 3	15°17	15°53	9°46	n.a.	T 8
W 9	0 11 27	1°35'32	9♉ 7	10° 9	2°38	18°50	21°16	18°39	17°50	6° 6	9° 5	15°18	15°50	9°53	n.a.	W 9
T 10	0 15 24	2°36'23	23°34	11°42	2°43	19°35	21°18	18°46	17°51	6° 6	9° 7	15°19	15°47	9°59	n.a.	T 10
F 11	0 19 21	3°37'15	7♊58	13°14	2°46	20°21	21°21	18°53	17°53	6° 6	9° 9	15°20	15°44	10° 6	n.a.	F 11
S 12	0 23 17	4°38'10	22°17	14°46	2°R46	21° 6	21°23	19° 0	17°54	6° 7	9°11	15°20	15°41	10°13	n.a.	S 12
S 13	0 27 14	5°39'06	6♋26	16°19	2°44	21°51	21°25	19° 6	17°56	6° 7	9°13	15°R21	15°37	10°19	n.a.	S 13
M14	0 31 10	6°40'03	20°25	17°50	2°39	22°36	21°27	19°13	17°57	6° 8	9°15	15°20	15°34	10°26	n.a.	M14
T 15	0 35 7	7°41'02	4♌12	19°22	2°32	23°22	21°29	19°20	17°59	6° 8	9°17	15°20	15°31	10°33	n.a.	T 15
W16	0 39 3	8°42'03	17°46	20°54	2°22	24° 7	21°30	19°27	18° 1	6° 8	9°19	15°19	15°28	10°39	n.a.	W16
T 17	0 43 0	9°43'05	1♍ 8	22°25	2°10	24°53	21°31	19°34	18° 2	6° 8	9°21	15°18	15°25	10°46	n.a.	T 17
F 18	0 46 57	10°44'08	14°16	23°56	1°55	25°38	21°32	19°41	18° 4	6° 9	9°23	15°17	15°22	10°53	n.a.	F 18
S 19	0 50 53	11°45'13	27°10	25°27	1°38	26°24	21°33	19°47	18° 6	6° 9	9°25	15°17	15°18	11° 0	n.a.	S 19
S 20	0 54 50	12°46'18	9♎52	26°58	1°19	27° 9	21°34	19°54	18° 8	6° 9	9°27	15°D17	15°15	11° 6	n.a.	S 20
M21	0 58 46	13°47'25	22°20	28°28	0°58	27°55	21°34	20° 1	18°10	6° 9	9°29	15°17	15°12	11°13	n.a.	M21
T 22	1 2 43	14°48'33	4♏37	29°58	0°34	28°41	21°35	20° 7	18°12	6° 9	9°31	15°R17	15° 9	11°20	n.a.	T 22
W23	1 6 39	15°49'41	16°43	1♏27	0° 8	29°27	21°R35	20°14	18°14	6°R 9	9°33	15°17	15° 6	11°26	n.a.	W23
T 24	1 10 36	16°50'51	28°40	2°56	29♎40	0♏12	21°35	20°21	18°16	6° 9	9°35	15°17	15° 2	11°33	n.a.	T 24
F 25	1 14 32	17°52'01	10♐32	4°25	29°11	0°58	21°34	20°27	18°18	6° 9	9°37	15°16	14°59	11°40	n.a.	F 25
S 26	1 18 29	18°53'12	22°22	5°52	28°40	1°44	21°34	20°34	18°20	6° 9	9°39	15°16	14°56	11°46	n.a.	S 26
S 27	1 22 26	19°54'24	4♑15	7°19	28° 7	2°30	21°33	20°40	18°22	6° 9	9°41	15°16	14°53	11°53	n.a.	S 27
M28	1 26 22	20°55'36	16°13	8°45	27°33	3°16	21°32	20°47	18°24	6° 9	9°43	15°D15	14°50	12° 0	n.a.	M28
T 29	1 30 19	21°56'49	28°22	10°10	26°58	4° 2	21°31	20°53	18°27	6° 9	9°45	15°15	14°47	12° 7	n.a.	T 29
W30	1 34 15	22°58'02	10♒48	11°34	26°22	4°48	21°30	20°59	18°29	6° 8	9°47	15°16	14°43	12°13	n.a.	W30
T 31	1 38 12	23♎59'15	23♒33	12♏56	25♎46	5♏34	21♊28	21♍ 6	18♐31	6♋ 8	9♏49	15♈17	14♈40	12♐20	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	2n38	27s27	5s13	0n53	0s 4	17s31	5s59	5s16	0s 6	23n45	0n11	7n 7	2n22	23s39	0s20	23n51	0n 6	8s54	6n 9	6n13	6n31	26s16			n.a.
W 2	2 13	24 43	5 0	0 9	0 11	17 40	6 1	5 34	0 7	23 46	0 11	7 4	2 22	23 39	0 20	23 51	0 6	8 55	6 9	6 12	6 29	26 17			n.a.
T 3	1 49	20 42	4 32	0s35	0 17	17 49	6 2	5 53	0 8	23 46	0 11	7 1	2 22	23 39	0 20	23 51	0 6	8 56	6 8	6 11	6 28	26 19			n.a.
F 4	1 24	15 36	3 48	1 19	0 24	17 56	6 4	6 11	0 8	23 47	0 12	6 59	2 22	23 39	0 20	23 51	0 6	8 56	6 8	6 10	6 27	26 21			n.a.
S 5	1 0	9 38	2 51	2 3	0 30	18 3	6 4	6 29	0 9	23 47	0 12	6 56	2 22	23 39	0 20	23 51	0 6	8 57	6 8	6 9	6 26	26 22			n.a.
S 6	0 35	3 4	1 43	2 47	0 37	18 8	6 5	6 47	0 10	23 47	0 12	6 53	2 22	23 39	0 20	23 51	0 6	8 58	6 8	6 8	6 25	26 24			n.a.
M 7	0 11	3n47	0 27	3 30	0 43	18 12	6 5	7 5	0 10	23 48	0 12	6 50	2 22	23 39	0 20	23 51	0 6	8 59	6 8	6 8	6 23	26 25			n.a.
T 8	0s14	10 33	0n52	4 13	0 49	18 15	6 4	7 24	0 11	23 48	0 12	6 48	2 22	23 39	0 20	23 51	0 6	8 59	6 7	6 8	6 22	26 27			n.a.
W 9	0 39	16 49	2 8	4 56	0 55	18 17	6 3	7 42	0 12	23 48	0 12	6 45	2 22	23 40	0 20	23 51	0 6	9 0	6 7	6 8	6 21	26 28			n.a.
T 10	1 3	22 11	3 16	5 39	1 1	18 17	6 2	8 0	0 12	23 49	0 13	6 42	2 22	23 40	0 20	23 51	0 6	9 1	6 7	6 8	6 20	26 30			n.a.
F 11	1 28	26 12	4 12	6 21	1 7	18 17	6 0	8 18	0 13	23 49	0 13	6 39	2 22	23 40	0 20	23 51	0 6	9 2	6 7	6 9	6 18	26 32			n.a.
S 12	1 53	28 31	4 52	7 3	1 13	18 14	5 58	8 36	0 14	23 49	0 13	6 37	2 22	23 40	0 20	23 51	0 6	9 3	6 6	6 9	6 17	26 33			n.a.
S 13	2 17	28 57	5 13	7 45	1 19	18 11	5 55	8 54	0 14	23 50	0 13	6 34	2 23	23 40	0 20	23 51	0 6	9 3	6 6	6 9	6 16	26 35			n.a.
M14	2 42	27 30	5 16	8 26	1 25	18 6	5 51	9 11	0 15	23 50	0 13	6 31	2 23	23 40	0 20	23 51	0 6	9 4	6 6	6 9	6 15	26 36			n.a.
T 15	3 6	24 25	5 0	9 6	1 30	17 59	5 47	9 29	0 16	23 50	0 14	6 29	2 23	23 40	0 20	23 51	0 6	9 5	6 6	6 9	6 13	26 38			n.a.
W16	3 31	20 2	4 28	9 46	1 35	17 52	5 42	9 47	0 16	23 51	0 14	6 26	2 23	23 41	0 20	23 51	0 6	9 6	6 6	6 8	6 12	26 39			n.a.
T 17	3 55	14 43	3 41	10 26	1 40	17 42	5 37	10 4	0 17	23 51	0 14	6 23	2 23	23 41	0 20	23 51	0 6	9 7	6 5	6 8	6 11	26 41			n.a.
F 18	4 20	8 49	2 44	11 5	1 45	17 31	5 31	10 22	0 18	23 51	0 14	6 21	2 23	23 41	0 20	23 51	0 6	9 7	6 5	6 8	6 10	26 42			n.a.
S 19	4 44	2 39	1 39	11 43	1 50	17 19	5 24	10 40	0 18	23 51	0 14	6 18	2 23	23 41	0 20	23 51	0 6	9 8	6 5	6 8	6 8	26 44			n.a.
S 20	5 8	3s31	0 30	12 21	1 54	17 5	5 17	10 57	0 19	23 52	0 14	6 16	2 23	23 41	0 20	23 51	0 6	9 9	6 5	6 8	6 7	26 45			n.a.
M21	5 32	9 28	0s39	12 58	1 58	16 50	5 9	11 14	0 20	23 52	0 15	6 13	2 23	23 41	0 20	23 51	0 6	9 10	6 5	6 8	6 6	26 47			n.a.
T 22	5 57	14 57	1 45	13 34	2 2	16 34	5 0	11 32	0 20	23 52	0 15	6 10	2 23	23 42	0 20	23 51	0 6	9 11	6 5	6 8	6 5	26 48			n.a.
W23	6 21	19 47	2 46	14 10	2 6	16 15	4 51	11 49	0 21	23 52	0 15	6 8	2 23	23 42	0 20	23 51	0 6	9 11	6 4	6 8	6 3	26 49			n.a.
T 24	6 45	23 47	3 38	14 44	2 9	15 56	4 41	12 6	0 22	23 52	0 15	6 5	2 23	23 42	0 20	23 51	0 6	9 12	6 4	6 8	6 2	26 51			n.a.
F 25	7 8	26 45	4 21	15 18	2 12	15 35	4 30	12 23	0 22	23 53	0 15	6 3	2 24	23 42	0 20	23 51	0 6	9 13	6 4	6 8	6 1	26 52			n.a.
S 26	7 32	28 32	4 52	15 50	2 14	15 13	4 19	12 40	0 23	23 53	0 16	6 0	2 24	23 42	0 20	23 51	0 6	9 14	6 4	6 7	6 0	26 54			n.a.
S 27	7 56	29 1	5 11	16 21	2 16	14 50	4 7	12 56	0 24	23 53	0 16	5 58	2 24	23 42	0 20	23 51	0 6	9 15	6 4	6 7	5 58	26 55			n.a.
M28	8 19	28 8	5 17	16 51	2 18	14 26	3 54	13 13	0 24	23 53	0 16	5 55	2 24	23 43	0 20	23 51	0 7	9 16	6 3	6 7	5 57	26 57			n.a.
T 29	8 42	25 55	5 9	17 20	2 19	14 1	3 41	13 30	0 25	23 53	0 16	5 53	2 24	23 43	0 20	23 51	0 7	9 16	6 3	6 7	5 56	26 58			n.a.
W30	9 6	22 26	4 46	17 47	2 19	13 35	3 28	13 46	0 26	23 53	0 16	5 50	2 24	23 43	0 20	23 52	0 7	9 17	6 3	6 7	5 55	26 59			n.a.
T 31	9s29	17s50	4s 9	18s13	2s19	13s 8	3s13	14s 2	0s26	23n53	0n16	5n48	2n24	23s43	0s20	23n52	0n 7	9s18	6n 3	6n 8	5n53	27s 1			n.a.

Julian Day Number = 1100771.5, Delta T = 11h03m03s
Ecliptic obliquity = 23°53'42, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'44, Lahiri = -27°23'44 Julian Calendar 1 Oct. 1700 BCE == Greg. Calendar 17 Sept. 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

NOVEMBER 1700 BCE (-1699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 42 8	25♎ 0'29	6♓41	14♏16	25°R10	6♏20	21°R26	21♍12	18♐34	6°R 8	9♏52	15♈17	14♈37	12♐27	n.a.	F 1
S 2	1 46 5	26° 1'43	20°15	15°34	24♎33	7° 6	21♊25	21°18	18°36	6♋ 8	9°54	15°18	14°34	12°33	n.a.	S 2
S 3	1 50 1	27° 2'57	4♈14	16°50	23°57	7°53	21°22	21°24	18°39	6° 7	9°56	15°19	14°31	12°40	n.a.	S 3
M 4	1 53 58	28° 4'12	18°36	18° 3	23°21	8°39	21°20	21°30	18°41	6° 7	9°58	15°R19	14°28	12°47	n.a.	M 4
T 5	1 57 55	29° 5'27	3♉17	19°12	22°46	9°25	21°18	21°37	18°43	6° 6	10° 0	15°19	14°24	12°53	n.a.	T 5
W 6	2 1 51	0♏ 6'43	18°10	20°18	22°12	10°12	21°15	21°43	18°46	6° 6	10° 2	15°17	14°21	13° 0	n.a.	W 6
T 7	2 5 48	1° 8'00	3♊ 6	21°19	21°39	10°58	21°12	21°49	18°49	6° 6	10° 4	15°16	14°18	13° 7	n.a.	T 7
F 8	2 9 44	2° 9'17	17°58	22°15	21° 7	11°44	21° 9	21°55	18°51	6° 5	10° 7	15°13	14°15	13°14	n.a.	F 8
S 9	2 13 41	3°10'34	2♋37	23° 5	20°38	12°31	21° 6	22° 1	18°54	6° 4	10° 9	15°11	14°12	13°20	n.a.	S 9
S 10	2 17 37	4°11'52	17° 0	23°48	20°10	13°17	21° 2	22° 6	18°57	6° 4	10°11	15°10	14° 8	13°27	n.a.	S 10
M11	2 21 34	5°13'11	1♌ 3	24°24	19°44	14° 4	20°59	22°12	18°59	6° 3	10°13	15°D 9	14° 5	13°34	n.a.	M11
T 12	2 25 31	6°14'30	14°44	24°52	19°20	14°50	20°55	22°18	19° 2	6° 3	10°15	15° 9	14° 2	13°40	n.a.	T 12
W13	2 29 27	7°15'49	28° 6	25°10	18°58	15°37	20°51	22°24	19° 5	6° 2	10°18	15°10	13°59	13°47	n.a.	W13
T 14	2 33 24	8°17'09	11♍ 9	25°R17	18°39	16°24	20°47	22°29	19° 8	6° 1	10°20	15°12	13°56	13°54	n.a.	T 14
F 15	2 37 20	9°18'29	23°56	25°14	18°22	17°10	20°42	22°35	19°11	6° 1	10°22	15°13	13°53	14° 1	n.a.	F 15
S 16	2 41 17	10°19'50	6♎30	25° 0	18° 7	17°57	20°38	22°40	19°13	6° 0	10°24	15°14	13°49	14° 7	n.a.	S 16
S 17	2 45 13	11°21'10	18°52	24°33	17°55	18°44	20°33	22°46	19°16	5°59	10°26	15°R15	13°46	14°14	n.a.	S 17
M18	2 49 10	12°22'31	1♏ 5	23°55	17°45	19°30	20°28	22°51	19°19	5°58	10°29	15°14	13°43	14°21	n.a.	M18
T 19	2 53 6	13°23'51	13°10	23° 5	17°38	20°17	20°23	22°57	19°22	5°57	10°31	15°11	13°40	14°27	n.a.	T 19
W20	2 57 3	14°25'12	25° 9	22° 6	17°34	21° 4	20°18	23° 2	19°25	5°56	10°33	15° 7	13°37	14°34	n.a.	W20
T 21	3 1 0	15°26'32	7♐ 3	20°57	17°D32	21°51	20°13	23° 7	19°28	5°56	10°35	15° 1	13°34	14°41	n.a.	T 21
F 22	3 4 56	16°27'52	18°54	19°43	17°32	22°38	20° 7	23°12	19°31	5°55	10°37	14°55	13°30	14°47	n.a.	F 22
S 23	3 8 53	17°29'12	0♑44	18°23	17°35	23°25	20° 2	23°17	19°34	5°54	10°40	14°49	13°27	14°54	n.a.	S 23
S 24	3 12 49	18°30'31	12°37	17° 3	17°40	24°11	19°56	23°22	19°37	5°53	10°42	14°44	13°24	15° 1	n.a.	S 24
M25	3 16 46	19°31'50	24°34	15°43	17°47	24°58	19°50	23°27	19°41	5°52	10°44	14°39	13°21	15° 8	n.a.	M25
T 26	3 20 42	20°33'07	6♒41	14°27	17°57	25°45	19°44	23°32	19°44	5°51	10°46	14°36	13°18	15°14	n.a.	T 26
W27	3 24 39	21°34'25	19° 0	13°16	18° 9	26°32	19°38	23°37	19°47	5°50	10°48	14°D35	13°14	15°21	n.a.	W27
T 28	3 28 36	22°35'41	1♓38	12°13	18°23	27°19	19°31	23°42	19°50	5°48	10°51	14°36	13°11	15°28	n.a.	T 28
F 29	3 32 32	23°36'57	14°38	11°18	18°39	28° 6	19°25	23°46	19°53	5°47	10°53	14°37	13° 8	15°34	n.a.	F 29
S 30	3 36 29	24♏38'11	28♓ 4	10♏33	18♎58	28♏53	19♊18	23♍51	19♐56	5♋46	10♏55	14♈39	13♈ 5	15♐41	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s52	12s17	3s18	18s37	2s19	12s41	2s59	14s19	0s27	23n53	0n17	5n45	2n24	23s43	0s20	23n52	0n 7	9s19	6n 3	6n 8	5n52	27s 2		n.a.
S 2	10 14	5 59	2 15	19 0	2 17	12 13	2 44	14 35	0 27	23 53	0 17	5 43	2 25	23 44	0 20	23 52	0 7	9 20	6 3	6 8	5 51	27 4		n.a.
S 3	10 37	0n47	1 1	19 20	2 15	11 46	2 29	14 51	0 28	23 53	0 17	5 41	2 25	23 44	0 20	23 52	0 7	9 20	6 3	6 9	5 50	27 5		n.a.
M 4	10 59	7 42	0n18	19 38	2 12	11 18	2 13	15 6	0 29	23 54	0 17	5 38	2 25	23 44	0 20	23 52	0 7	9 21	6 2	6 9	5 48	27 6		n.a.
T 5	11 21	14 22	1 38	19 54	2 8	10 50	1 58	15 22	0 29	23 54	0 17	5 36	2 25	23 44	0 20	23 52	0 7	9 22	6 2	6 8	5 47	27 8		n.a.
W 6	11 43	20 19	2 52	20 8	2 3	10 23	1 42	15 38	0 30	23 54	0 18	5 34	2 25	23 44	0 20	23 52	0 7	9 23	6 2	6 8	5 46	27 9		n.a.
T 7	12 5	25 0	3 54	20 19	1 58	9 56	1 27	15 53	0 31	23 54	0 18	5 31	2 25	23 45	0 20	23 52	0 7	9 24	6 2	6 7	5 45	27 10		n.a.
F 8	12 27	28 0	4 41	20 27	1 51	9 29	1 11	16 8	0 31	23 54	0 18	5 29	2 25	23 45	0 20	23 52	0 7	9 24	6 2	6 6	5 43	27 12		n.a.
S 9	12 48	29 0	5 8	20 33	1 43	9 3	0 55	16 23	0 32	23 54	0 18	5 27	2 26	23 45	0 20	23 52	0 7	9 25	6 2	6 5	5 42	27 13		n.a.
S 10	13 10	28 0	5 15	20 35	1 33	8 39	0 40	16 38	0 32	23 53	0 18	5 25	2 26	23 45	0 20	23 52	0 7	9 26	6 2	6 5	5 41	27 14		n.a.
M11	13 31	25 14	5 3	20 34	1 22	8 15	0 25	16 53	0 33	23 53	0 19	5 23	2 26	23 46	0 20	23 52	0 7	9 27	6 2	6 5	5 40	27 16		n.a.
T 12	13 51	21 5	4 35	20 29	1 10	7 52	0 10	17 8	0 34	23 53	0 19	5 20	2 26	23 46	0 20	23 52	0 7	9 28	6 1	6 5	5 38	27 17		n.a.
W13	14 12	15 58	3 51	20 20	0 57	7 30	0n 4	17 22	0 34	23 53	0 19	5 18	2 26	23 46	0 20	23 52	0 7	9 28	6 1	6 5	5 37	27 18		n.a.
T 14	14 32	10 14	2 57	20 8	0 42	7 9	0 19	17 37	0 35	23 53	0 19	5 16	2 26	23 46	0 20	23 52	0 7	9 29	6 1	6 6	5 36	27 20		n.a.
F 15	14 52	4 12	1 55	19 51	0 26	6 50	0 32	17 51	0 35	23 53	0 19	5 14	2 27	23 46	0 20	23 52	0 7	9 30	6 1	6 6	5 34	27 21		n.a.
S 16	15 12	1s54	0 48	19 31	0 8	6 32	0 46	18 5	0 36	23 53	0 20	5 12	2 27	23 47	0 20	23 52	0 7	9 31	6 1	6 7	5 33	27 22		n.a.
S 17	15 31	7 50	0s20	19 6	0n10	6 15	0 59	18 18	0 37	23 53	0 20	5 10	2 27	23 47	0 20	23 52	0 7	9 32	6 1	6 7	5 32	27 23		n.a.
M18	15 51	13 24	1 26	18 38	0 30	6 0	1 11	18 32	0 37	23 53	0 20	5 8	2 27	23 47	0 20	23 52	0 7	9 32	6 1	6 6	5 31	27 25		n.a.
T 19	16 10	18 25	2 27	18 6	0 50	5 46	1 24	18 46	0 38	23 52	0 20	5 6	2 27	23 47	0 20	23 52	0 7	9 33	6 1	6 5	5 29	27 26		n.a.
W20	16 28	22 40	3 21	17 31	1 10	5 33	1 35	18 59	0 38	23 52	0 20	5 4	2 27	23 48	0 20	23 52	0 7	9 34	6 1	6 4	5 28	27 27		n.a.
T 21	16 47	25 56	4 6	16 54	1 30	5 22	1 46	19 12	0 39	23 52	0 20	5 2	2 28	23 48	0 20	23 52	0 7	9 35	6 1	6 2	5 27	27 28		n.a.
F 22	17 5	28 4	4 40	16 15	1 49	5 13	1 57	19 25	0 39	23 52	0 21	5 0	2 28	23 48	0 20	23 53	0 7	9 35	6 1	5 59	5 26	27 30		n.a.
S 23	17 22	28 55	5 2	15 36	2 7	5 4	2 7	19 37	0 40	23 52	0 21	4 58	2 28	23 48	0 20	23 53	0 7	9 36	6 0	5 57	5 24	27 31		n.a.
S 24	17 40	28 26	5 11	14 58	2 23	4 57	2 17	19 50	0 40	23 51	0 21	4 56	2 28	23 49	0 20	23 53	0 7	9 37	6 0	5 55	5 23	27 32		n.a.
M25	17 57	26 38	5 7	14 21	2 38	4 52	2 26	20 2	0 41	23 51	0 21	4 55	2 28	23 49	0 20	23 53	0 7	9 38	6 0	5 53	5 22	27 33		n.a.
T 26	18 14	23 36	4 49	13 47	2 50	4 47	2 35	20 14	0 42	23 51	0 21	4 53	2 29	23 49	0 20	23 53	0 7	9 38	6 0	5 52	5 21	27 34		n.a.
W27	18 30	19 28	4 17	13 16	3 0	4 44	2 43	20 26	0 42	23 50	0 22	4 51	2 29	23 49	0 20	23 53	0 7	9 39	6 0	5 51	5 19	27 36		n.a.
T 28	18 46	14 23	3 32	12 50	3 7	4 43	2 51	20 38	0 43	23 50	0 22	4 49	2 29	23 50	0 20	23 53	0 7	9 40	6 0	5 51	5 18	27 37		n.a.
F 29	19 2	8 33	2 36	12 28	3 12	4 42	2 58	20 49	0 43	23 50	0 22	4 48	2 29	23 50	0 20	23 53	0 7	9 40	6 0	5 52	5 17	27 38		n.a.
S 30	19s17	2s 8	1s29	12s11	3n15	4s43	3n 5	21s 0	0s44	23n49	0n22	4n46	2n29	23s50	0s20	23n53	0n 7	9s41	6n 0	5n53	5n16	27s39		n.a.

Julian Day Number = 1100802.5, Delta T = 11h03m01s
Ecliptic obliquity = 23°53'42, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'40, Lahiri = -27°23'39 Julian Calendar 1 Nov. 1700 BCE == Greg. Calendar 18 Oct. 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1700 BCE
geocentric

DECEMBER 1700 BCE (-1699) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 40 25	25♏39'25	11♈58	9°R58	19♎18	29♏40	19°R11	23♍55	20♐ 0	5°R45	10♏57	14°R39	13♈ 2	15♐48	n.a.	S 1
M 2	3 44 22	26°40'38	26°21	9♏32	19°40	0♐28	19♊ 5	24° 0	20° 3	5♋44	10°59	14♈39	12°59	15°55	n.a.	M 2
T 3	3 48 18	27°41'51	11♉ 9	9°16	20° 4	1°15	18°58	24° 4	20° 6	5°43	11° 1	14°36	12°55	16° 1	n.a.	T 3
W 4	3 52 15	28°43'02	26°15	9°D 9	20°30	2° 2	18°51	24° 8	20° 9	5°41	11° 3	14°32	12°52	16° 8	n.a.	W 4
T 5	3 56 12	29°44'13	11♊32	9°10	20°57	2°49	18°44	24°13	20°13	5°40	11° 5	14°25	12°49	16°15	n.a.	T 5
F 6	4 0 8	0♐45'23	26°47	9°20	21°26	3°36	18°36	24°17	20°16	5°39	11° 8	14°18	12°46	16°21	n.a.	F 6
S 7	4 4 5	1°46'33	11♋50	9°37	21°57	4°23	18°29	24°21	20°19	5°37	11°10	14°11	12°43	16°28	n.a.	S 7
S 8	4 8 1	2°47'42	26°33	10° 1	22°30	5°10	18°22	24°25	20°23	5°36	11°12	14° 4	12°40	16°35	n.a.	S 8
M 9	4 11 58	3°48'50	10♌50	10°30	23° 3	5°58	18°14	24°29	20°26	5°35	11°14	14° 0	12°36	16°42	n.a.	M 9
T 10	4 15 54	4°49'57	24°39	11° 6	23°39	6°45	18° 6	24°32	20°30	5°33	11°16	13°58	12°33	16°48	n.a.	T 10
W11	4 19 51	5°51'04	8♍ 1	11°46	24°15	7°32	17°59	24°36	20°33	5°32	11°18	13°D57	12°30	16°55	n.a.	W11
T 12	4 23 47	6°52'10	20°58	12°32	24°53	8°19	17°51	24°40	20°36	5°31	11°20	13°58	12°27	17° 2	n.a.	T 12
F 13	4 27 44	7°53'15	3♎36	13°21	25°32	9° 7	17°43	24°43	20°40	5°29	11°22	13°59	12°24	17° 8	n.a.	F 13
S 14	4 31 41	8°54'20	15°57	14°14	26°13	9°54	17°36	24°47	20°43	5°28	11°24	13°R59	12°20	17°15	n.a.	S 14
S 15	4 35 37	9°55'23	28° 7	15°10	26°54	10°41	17°28	24°50	20°47	5°26	11°26	13°58	12°17	17°22	n.a.	S 15
M16	4 39 34	10°56'26	10♏ 8	16°10	27°37	11°28	17°20	24°53	20°50	5°25	11°28	13°54	12°14	17°28	n.a.	M16
T 17	4 43 30	11°57'27	22° 4	17°12	28°21	12°16	17°12	24°56	20°54	5°23	11°30	13°48	12°11	17°35	n.a.	T 17
W18	4 47 27	12°58'28	3♐56	18°17	29° 6	13° 3	17° 4	25° 0	20°57	5°22	11°32	13°39	12° 8	17°42	n.a.	W18
T 19	4 51 23	13°59'27	15°47	19°24	29°51	13°50	16°56	25° 3	21° 0	5°20	11°34	13°28	12° 5	17°49	n.a.	T 19
F 20	4 55 20	15° 0'25	27°39	20°33	0♏38	14°38	16°48	25° 5	21° 4	5°19	11°36	13°16	12° 1	17°55	n.a.	F 20
S 21	4 59 17	16° 1'22	9♑32	21°44	1°26	15°25	16°40	25° 8	21° 7	5°17	11°38	13° 3	11°58	18° 2	n.a.	S 21
S 22	5 3 13	17° 2'17	21°28	22°57	2°14	16°12	16°32	25°11	21°11	5°16	11°40	12°51	11°55	18° 9	n.a.	S 22
M23	5 7 10	18° 3'11	3♒29	24°12	3° 3	17° 0	16°24	25°14	21°14	5°14	11°41	12°41	11°52	18°15	n.a.	M23
T 24	5 11 6	19° 4'02	15°38	25°28	3°53	17°47	16°16	25°16	21°18	5°12	11°43	12°33	11°49	18°22	n.a.	T 24
W25	5 15 3	20° 4'53	27°58	26°45	4°44	18°34	16° 8	25°19	21°21	5°11	11°45	12°28	11°46	18°29	n.a.	W25
T 26	5 18 59	21° 5'41	10♓32	28° 4	5°36	19°22	16° 0	25°21	21°25	5° 9	11°47	12°26	11°42	18°36	n.a.	T 26
F 27	5 22 56	22° 6'28	23°25	29°24	6°28	20° 9	15°52	25°23	21°28	5° 8	11°49	12°D25	11°39	18°42	n.a.	F 27
S 28	5 26 52	23° 7'13	6♈41	0♐46	7°21	20°56	15°44	25°25	21°32	5° 6	11°51	12°R25	11°36	18°49	n.a.	S 28
S 29	5 30 49	24° 7'56	20°23	2° 9	8°14	21°44	15°36	25°27	21°35	5° 4	11°52	12°25	11°33	18°56	n.a.	S 29
M30	5 34 46	25° 8'37	4♉33	3°32	9° 8	22°31	15°28	25°29	21°39	5° 3	11°54	12°24	11°30	19° 2	n.a.	M30
T 31	5 38 42	26♐ 9'16	19♉11	4♐57	10♏ 3	23♐18	15♊21	25♍31	21♐42	5♋ 1	11♏56	12♈19	11♈26	19♐ 9	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	19s32	4n36	0s15	11s58	3n17	4s44	3n12	21s11	0s44	23n49	0n22	4n44	2n30	23s50	0s20	23n53	0n 7	9s42	6n 0	5n53	5n14	27s40			n.a.
M 2	19 47	11 20	1n 3	11 51	3 16	4 47	3 18	21 22	0 45	23 49	0 23	4 43	2 30	23 51	0 20	23 53	0 7	9 43	6 0	5 53	5 13	27 41			n.a.
T 3	20 1	17 39	2 18	11 48	3 14	4 51	3 24	21 32	0 45	23 48	0 23	4 41	2 30	23 51	0 20	23 53	0 7	9 43	6 0	5 52	5 12	27 43			n.a.
W 4	20 15	23 0	3 26	11 49	3 10	4 56	3 29	21 43	0 46	23 48	0 23	4 40	2 30	23 51	0 20	23 53	0 7	9 44	6 0	5 50	5 11	27 44			n.a.
T 5	20 29	26 52	4 19	11 54	3 6	5 2	3 34	21 53	0 46	23 47	0 23	4 38	2 31	23 51	0 20	23 53	0 7	9 45	6 0	5 47	5 9	27 45			n.a.
F 6	20 42	28 45	4 53	12 2	3 0	5 9	3 38	22 2	0 47	23 47	0 23	4 37	2 31	23 52	0 20	23 53	0 7	9 45	6 0	5 45	5 8	27 46			n.a.
S 7	20 55	28 27	5 7	12 14	2 54	5 17	3 42	22 12	0 47	23 46	0 23	4 35	2 31	23 52	0 20	23 54	0 7	9 46	6 0	5 42	5 7	27 47			n.a.
S 8	21 7	26 9	5 0	12 28	2 47	5 25	3 46	22 21	0 48	23 46	0 24	4 34	2 31	23 52	0 20	23 54	0 7	9 47	6 0	5 39	5 6	27 48			n.a.
M 9	21 19	22 14	4 35	12 44	2 39	5 35	3 50	22 30	0 48	23 45	0 24	4 33	2 31	23 52	0 20	23 54	0 7	9 47	6 0	5 37	5 4	27 49			n.a.
T 10	21 30	17 13	3 54	13 3	2 31	5 45	3 53	22 39	0 49	23 45	0 24	4 31	2 32	23 53	0 20	23 54	0 7	9 48	6 0	5 36	5 3	27 50			n.a.
W11	21 41	11 31	3 1	13 24	2 23	5 56	3 56	22 47	0 49	23 44	0 24	4 30	2 32	23 53	0 20	23 54	0 7	9 49	6 0	5 36	5 2	27 51			n.a.
T 12	21 52	5 29	2 0	13 46	2 14	6 8	3 58	22 56	0 50	23 44	0 24	4 29	2 32	23 53	0 20	23 54	0 7	9 49	6 0	5 37	5 1	27 52			n.a.
F 13	22 2	0s37	0 56	14 9	2 5	6 20	4 0	23 4	0 50	23 43	0 24	4 28	2 32	23 53	0 20	23 54	0 7	9 50	6 0	5 37	4 59	27 54			n.a.
S 14	22 12	6 33	0s11	14 34	1 57	6 33	4 2	23 11	0 51	23 43	0 25	4 26	2 33	23 54	0 20	23 54	0 7	9 51	6 0	5 37	4 58	27 55			n.a.
S 15	22 22	12 10	1 15	14 59	1 47	6 47	4 4	23 19	0 51	23 42	0 25	4 25	2 33	23 54	0 20	23 54	0 7	9 51	6 0	5 37	4 57	27 56			n.a.
M16	22 31	17 16	2 15	15 25	1 38	7 1	4 5	23 26	0 52	23 42	0 25	4 24	2 33	23 54	0 20	23 54	0 7	9 52	6 0	5 35	4 55	27 57			n.a.
T 17	22 39	21 40	3 9	15 52	1 29	7 15	4 7	23 33	0 52	23 41	0 25	4 23	2 33	23 54	0 20	23 54	0 7	9 52	6 0	5 33	4 54	27 58			n.a.
W18	22 47	25 10	3 54	16 19	1 20	7 31	4 7	23 40	0 52	23 40	0 25	4 22	2 34	23 55	0 20	23 54	0 7	9 53	6 0	5 29	4 53	27 59			n.a.
T 19	22 55	27 34	4 28	16 46	1 11	7 46	4 8	23 46	0 53	23 40	0 25	4 21	2 34	23 55	0 20	23 54	0 7	9 54	6 0	5 25	4 52	28 0			n.a.
F 20	23 2	28 44	4 51	17 14	1 2	8 2	4 9	23 52	0 53	23 39	0 26	4 20	2 34	23 55	0 20	23 55	0 7	9 54	6 0	5 20	4 50	28 1			n.a.
S 21	23 9	28 34	5 2	17 41	0 53	8 19	4 9	23 58	0 54	23 38	0 26	4 19	2 34	23 55	0 20	23 55	0 7	9 55	6 0	5 15	4 49	28 2			n.a.
S 22	23 15	27 4	4 59	18 9	0 45	8 36	4 9	24 4	0 54	23 38	0 26	4 18	2 35	23 56	0 20	23 55	0 7	9 55	6 0	5 10	4 48	28 3			n.a.
M23	23 21	24 19	4 43	18 36	0 36	8 53	4 8	24 9	0 55	23 37	0 26	4 18	2 35	23 56	0 20	23 55	0 7	9 56	6 0	5 6	4 47	28 4			n.a.
T 24	23 26	20 29	4 14	19 3	0 27	9 10	4 8	24 14	0 55	23 36	0 26	4 17	2 35	23 56	0 20	23 55	0 7	9 56	6 0	5 3	4 45	28 5			n.a.
W25	23 31	15 44	3 33	19 30	0 19	9 28	4 7	24 19	0 55	23 36	0 26	4 16	2 35	23 56	0 20	23 55	0 7	9 57	6 0	5 1	4 44	28 6			n.a.
T 26	23 35	10 14	2 41	19 56	0 11	9 46	4 7	24 23	0 56	23 35	0 26	4 15	2 36	23 57	0 20	23 55	0 7	9 58	6 0	5 0	4 43	28 7			n.a.
F 27	23 39	4 10	1 39	20 22	0 2	10 4	4 6	24 27	0 56	23 34	0 27	4 15	2 36	23 57	0 20	23 55	0 7	9 58	6 0	5 0	4 42	28 8			n.a.
S 28	23 43	2n14	0 30	20 47	0s 6	10 23	4 4	24 31	0 56	23 33	0 27	4 14	2 36	23 57	0 20	23 55	0 7	9 59	6 0	5 0	4 40	28 8			n.a.
S 29	23 46	8 45	0n42	21 12	0 13	10 41	4 3	24 35	0 57	23 33	0 27	4 13	2 37	23 57	0 20	23 55	0 8	9 59	6 0	5 0	4 39	28 9			n.a.
M30	23 48	15 4	1 54	21 36	0 21	11 0	4 2	24 38	0 57	23 32	0 27	4 13	2 37	23 58	0 20	23 55	0 8	10 0	6 0	4 59	4 38	28 10			n.a.
T 31	23s50	20n45	3n 1	21s59	0s28	11s19	4n 0	24s41	0s58	23n31	0n27	4n12	2n37	23s58	0s20	23n55	0n 8	10s 0	6n 0	4n58	4n37	28s11			n.a.

Julian Day Number = 1100832.5, Delta T = 11h02m59s
Ecliptic obliquity = 23°53'42, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'36, Lahiri = -27°23'35 Julian Calendar 1 Dec. 1700 BCE == Greg. Calendar 17 Nov. 1700 BCE

The year -1699 astronomical counting style corresponds to year 1700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

JANUARY 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 42 39	27♐ 9'53	4♊12	6♐23	10♏59	24♐ 6	15°R13	25♍33	21♐46	4°R59	11♏57	12°R12	11♈23	19♐16	n.a.	W 1
T 2	5 46 35	28°10'29	19°28	7°50	11°54	24°53	15♊ 5	25°35	21°49	4♋58	11°59	12♈ 3	11°20	19°23	n.a.	T 2
F 3	5 50 32	29°11'03	4♋50	9°18	12°51	25°40	14°58	25°36	21°53	4°56	12° 1	11°52	11°17	19°29	n.a.	F 3
S 4	5 54 28	0♑11'36	20° 4	10°47	13°48	26°28	14°50	25°38	21°56	4°54	12° 2	11°41	11°14	19°36	n.a.	S 4
S 5	5 58 25	1°12'06	5♌ 1	12°17	14°45	27°15	14°43	25°39	22° 0	4°53	12° 4	11°31	11°11	19°43	n.a.	S 5
M 6	6 2 22	2°12'35	19°32	13°48	15°43	28° 2	14°35	25°40	22° 3	4°51	12° 6	11°23	11° 7	19°49	n.a.	M 6
T 7	6 6 18	3°13'02	3♍33	15°19	16°42	28°49	14°28	25°41	22° 6	4°49	12° 7	11°17	11° 4	19°56	n.a.	T 7
W 8	6 10 15	4°13'28	17° 4	16°52	17°41	29°37	14°21	25°43	22°10	4°48	12° 9	11°15	11° 1	20° 3	n.a.	W 8
T 9	6 14 11	5°13'52	0♎ 7	18°26	18°40	0♑24	14°14	25°44	22°13	4°46	12°10	11°14	10°58	20°10	n.a.	T 9
F 10	6 18 8	6°14'15	12°45	20° 0	19°40	1°11	14° 7	25°44	22°17	4°44	12°12	11°14	10°55	20°16	n.a.	F 10
S 11	6 22 4	7°14'36	25° 4	21°36	20°40	1°58	14° 0	25°45	22°20	4°43	12°13	11°13	10°52	20°23	n.a.	S 11
S 12	6 26 1	8°14'55	7♏10	23°13	21°40	2°46	13°53	25°46	22°24	4°41	12°14	11°11	10°48	20°30	n.a.	S 12
M13	6 29 57	9°15'13	19° 6	24°50	22°41	3°33	13°47	25°46	22°27	4°39	12°16	11° 7	10°45	20°36	n.a.	M13
T 14	6 33 54	10°15'29	0♐57	26°29	23°42	4°20	13°40	25°47	22°30	4°38	12°17	10°59	10°42	20°43	n.a.	T 14
W15	6 37 51	11°15'43	12°47	28° 8	24°44	5° 7	13°34	25°47	22°34	4°36	12°19	10°49	10°39	20°50	n.a.	W15
T 16	6 41 47	12°15'55	24°38	29°49	25°46	5°54	13°28	25°47	22°37	4°34	12°20	10°36	10°36	20°57	n.a.	T 16
F 17	6 45 44	13°16'06	6♑31	1♑30	26°48	6°42	13°21	25°48	22°40	4°33	12°21	10°21	10°32	21° 3	n.a.	F 17
S 18	6 49 40	14°16'14	18°30	3°13	27°50	7°29	13°15	25°R48	22°44	4°31	12°22	10° 6	10°29	21°10	n.a.	S 18
S 19	6 53 37	15°16'21	0♒34	4°57	28°53	8°16	13°10	25°48	22°47	4°29	12°24	9°52	10°26	21°17	n.a.	S 19
M20	6 57 33	16°16'25	12°44	6°41	29°56	9° 3	13° 4	25°47	22°50	4°28	12°25	9°40	10°23	21°24	n.a.	M20
T 21	7 1 30	17°16'27	25° 2	8°27	0♐59	9°50	12°58	25°47	22°53	4°26	12°26	9°30	10°20	21°30	n.a.	T 21
W22	7 5 26	18°16'26	7♓30	10°14	2° 3	10°37	12°53	25°47	22°57	4°24	12°27	9°24	10°17	21°37	n.a.	W22
T 23	7 9 23	19°16'24	20°10	12° 2	3° 6	11°24	12°48	25°46	23° 0	4°23	12°28	9°21	10°13	21°44	n.a.	T 23
F 24	7 13 19	20°16'19	3♈ 5	13°51	4°10	12°11	12°43	25°46	23° 3	4°21	12°30	9°19	10°10	21°50	n.a.	F 24
S 25	7 17 16	21°16'11	16°18	15°41	5°15	12°58	12°38	25°45	23° 6	4°20	12°31	9°19	10° 7	21°57	n.a.	S 25
S 26	7 21 13	22°16'01	29°52	17°32	6°19	13°45	12°33	25°45	23° 9	4°18	12°32	9°19	10° 4	22° 4	n.a.	S 26
M27	7 25 9	23°15'49	13♉50	19°25	7°24	14°32	12°28	25°44	23°13	4°17	12°33	9°18	10° 1	22°11	n.a.	M27
T 28	7 29 6	24°15'35	28°11	21°18	8°29	15°19	12°24	25°43	23°16	4°15	12°34	9°14	9°57	22°17	n.a.	T 28
W29	7 33 2	25°15'18	12♊54	23°13	9°34	16° 6	12°20	25°42	23°19	4°13	12°35	9° 8	9°54	22°24	n.a.	W29
T 30	7 36 59	26°14'58	27°53	25° 8	10°39	16°53	12°16	25°41	23°22	4°12	12°36	8°59	9°51	22°31	n.a.	T 30
F 31	7 40 55	27♑14'37	13♋ 1	27♑ 5	11♐45	17♑40	12♊12	25♍39	23♐25	4♋10	12♏36	8♈49	9♈48	22♐37	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23 s52	25n16	3n58	22 s22	0 s35	11 s38	3n58	24 s43	0 s58	23n31	0n27	4n12	2n37	23 s58	0 s20	23n55	0n 8	10 s 1	6n 0	4n55	4n35	28 s12			n.a.
T 2	23 53	28 5	4 38	22 44	0 42	11 57	3 56	24 46	0 58	23 30	0 27	4 12	2 38	23 58	0 20	23 56	0 8	10 1	6 0	4 51	4 34	28 13			n.a.
F 3	23 53	28 46	4 58	23 4	0 49	12 17	3 54	24 48	0 59	23 29	0 28	4 11	2 38	23 58	0 20	23 56	0 8	10 2	6 0	4 47	4 33	28 14			n.a.
S 4	23 54	27 16	4 57	23 24	0 56	12 36	3 52	24 50	0 59	23 28	0 28	4 11	2 38	23 59	0 20	23 56	0 8	10 2	6 0	4 42	4 31	28 15			n.a.
S 5	23 53	23 50	4 36	23 43	1 2	12 55	3 49	24 51	0 59	23 28	0 28	4 10	2 38	23 59	0 20	23 56	0 8	10 2	6 0	4 38	4 30	28 16			n.a.
M 6	23 53	18 59	3 57	24 1	1 8	13 14	3 47	24 52	1 0	23 27	0 28	4 10	2 39	23 59	0 20	23 56	0 8	10 3	6 0	4 35	4 29	28 17			n.a.
T 7	23 51	13 15	3 5	24 17	1 13	13 34	3 44	24 53	1 0	23 26	0 28	4 10	2 39	23 59	0 20	23 56	0 8	10 3	6 0	4 33	4 28	28 17			n.a.
W 8	23 50	7 6	2 4	24 33	1 19	13 53	3 42	24 54	1 0	23 25	0 28	4 10	2 39	24 0	0 20	23 56	0 8	10 4	6 0	4 32	4 26	28 18			n.a.
T 9	23 47	0 51	0 58	24 47	1 24	14 12	3 39	24 54	1 1	23 25	0 28	4 10	2 39	24 0	0 20	23 56	0 8	10 4	6 0	4 31	4 25	28 19			n.a.
F 10	23 45	5 s15	0 s 8	24 59	1 29	14 31	3 36	24 54	1 1	23 24	0 28	4 10	2 40	24 0	0 20	23 56	0 8	10 4	6 0	4 31	4 24	28 20			n.a.
S 11	23 42	11 0	1 13	25 11	1 34	14 50	3 33	24 54	1 1	23 23	0 28	4 9	2 40	24 0	0 20	23 56	0 8	10 5	6 0	4 31	4 23	28 21			n.a.
S 12	23 38	16 15	2 12	25 21	1 38	15 9	3 30	24 53	1 1	23 22	0 29	4 9	2 40	24 0	0 20	23 56	0 8	10 5	6 0	4 30	4 21	28 22			n.a.
M13	23 34	20 48	3 6	25 29	1 42	15 28	3 26	24 52	1 2	23 22	0 29	4 9	2 41	24 1	0 20	23 56	0 8	10 6	6 0	4 29	4 20	28 22			n.a.
T 14	23 29	24 29	3 50	25 36	1 45	15 47	3 23	24 51	1 2	23 21	0 29	4 10	2 41	24 1	0 20	23 56	0 8	10 6	6 0	4 26	4 19	28 23			n.a.
W15	23 24	27 8	4 25	25 42	1 49	16 5	3 20	24 50	1 2	23 20	0 29	4 10	2 41	24 1	0 20	23 57	0 8	10 6	6 0	4 21	4 18	28 24			n.a.
T 16	23 19	28 34	4 48	25 45	1 52	16 23	3 16	24 48	1 3	23 20	0 29	4 10	2 41	24 1	0 20	23 57	0 8	10 7	6 1	4 16	4 16	28 25			n.a.
F 17	23 13	28 42	4 58	25 47	1 54	16 41	3 13	24 46	1 3	23 19	0 29	4 10	2 42	24 1	0 20	23 57	0 8	10 7	6 1	4 10	4 15	28 26			n.a.
S 18	23 7	27 28	4 56	25 48	1 56	16 59	3 9	24 44	1 3	23 18	0 29	4 10	2 42	24 2	0 20	23 57	0 8	10 7	6 1	4 4	4 14	28 26			n.a.
S 19	23 0	24 58	4 40	25 46	1 58	17 17	3 5	24 41	1 3	23 18	0 29	4 10	2 42	24 2	0 20	23 57	0 8	10 8	6 1	3 59	4 12	28 27			n.a.
M20	22 53	21 19	4 11	25 43	1 59	17 34	3 1	24 38	1 3	23 17	0 29	4 11	2 42	24 2	0 20	23 57	0 8	10 8	6 1	3 54	4 11	28 28			n.a.
T 21	22 45	16 43	3 31	25 37	2 0	17 51	2 58	24 35	1 4	23 16	0 29	4 11	2 43	24 2	0 20	23 57	0 8	10 8	6 1	3 50	4 10	28 29			n.a.
W22	22 37	11 22	2 39	25 30	2 1	18 8	2 54	24 31	1 4	23 16	0 30	4 11	2 43	24 2	0 20	23 57	0 8	10 8	6 1	3 48	4 9	28 29			n.a.
T 23	22 29	5 29	1 39	25 21	2 1	18 24	2 50	24 28	1 4	23 15	0 30	4 12	2 43	24 3	0 20	23 57	0 8	10 9	6 1	3 46	4 7	28 30			n.a.
F 24	22 20	0n45	0 33	25 9	2 0	18 40	2 46	24 24	1 4	23 15	0 30	4 12	2 44	24 3	0 20	23 57	0 8	10 9	6 1	3 46	4 6	28 31			n.a.
S 25	22 11	7 6	0n37	24 56	1 59	18 56	2 42	24 19	1 5	23 14	0 30	4 13	2 44	24 3	0 20	23 57	0 8	10 9	6 1	3 46	4 5	28 32			n.a.
S 26	22 1	13 18	1 46	24 40	1 58	19 11	2 38	24 15	1 5	23 14	0 30	4 13	2 44	24 3	0 20	23 57	0 8	10 9	6 1	3 46	4 4	28 32			n.a.
M27	21 51	19 1	2 52	24 22	1 56	19 26	2 33	24 10	1 5	23 13	0 30	4 14	2 44	24 3	0 20	23 57	0 8	10 10	6 1	3 45	4 2	28 33			n.a.
T 28	21 40	23 50	3 48	24 2	1 54	19 41	2 29	24 4	1 5	23 12	0 30	4 15	2 45	24 4	0 20	23 57	0 8	10 10	6 1	3 44	4 1	28 34			n.a.
W29	21 29	27 15	4 31	23 40	1 51	19 55	2 25	23 59	1 5	23 12	0 30	4 15	2 45	24 4	0 20	23 57	0 8	10 10	6 2	3 41	4 0	28 34			n.a.
T 30	21 18	28 48	4 56	23 16	1 47	20 9	2 21	23 53	1 5	23 11	0 30	4 16	2 45	24 4	0 20	23 58	0 8	10 10	6 2	3 38	3 58	28 35			n.a.
F 31	21 s 6	28n14	5n 0	22 s49	1 s43	20 s22	2n17	23 s47	1 s 6	23n11	0n30	4n17	2n45	24 s 4	0 s20	23n58	0n 8	10 s11	6n 2	3n33	3n57	28 s36			n.a.

Julian Day Number = 1100863.5, Delta T = 11h02m57s
Ecliptic obliquity = 23°53'41, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'32, Lahiri = -27°23'31 Julian Calendar 1 Jan. 1699 BCE == Greg. Calendar 18 Dec. 1700 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

FEBRUARY 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 44 52	28♉14'13	28♋ 7	29♉ 2	12♐50	18♉27	12°R 8	25°R38	23♐28	4°R 9	12♏37	8°R38	9♈45	22♐44	n.a.	S 1
S 2	7 48 48	29°13'47	13♌ 1	1♒ 1	13°56	19°13	12♊ 4	25♍37	23°31	4♋ 7	12°38	8♈28	9°42	22°51	n.a.	S 2
M 3	7 52 45	0♒13'18	27°34	3° 0	15° 2	20° 0	12° 1	25°35	23°34	4° 6	12°39	8°21	9°38	22°58	n.a.	M 3
T 4	7 56 42	1°12'48	11♍40	4°59	16° 8	20°47	11°58	25°33	23°37	4° 4	12°40	8°15	9°35	23° 4	n.a.	T 4
W 5	8 0 38	2°12'15	25°18	6°59	17°15	21°34	11°55	25°32	23°40	4° 3	12°40	8°13	9°32	23°11	n.a.	W 5
T 6	8 4 35	3°11'41	8♎27	9° 0	18°21	22°20	11°52	25°30	23°43	4° 2	12°41	8°D12	9°29	23°18	n.a.	T 6
F 7	8 8 31	4°11'04	21°12	11° 0	19°28	23° 7	11°49	25°28	23°45	4° 0	12°42	8°12	9°26	23°24	n.a.	F 7
S 8	8 12 28	5°10'26	3♏35	13° 1	20°35	23°54	11°47	25°26	23°48	3°59	12°42	8°R13	9°23	23°31	n.a.	S 8
S 9	8 16 24	6° 9'46	15°43	15° 0	21°42	24°40	11°45	25°24	23°51	3°57	12°43	8°12	9°19	23°38	n.a.	S 9
M10	8 20 21	7° 9'03	27°40	17° 0	22°49	25°27	11°43	25°22	23°54	3°56	12°44	8°10	9°16	23°45	n.a.	M10
T 11	8 24 17	8° 8'19	9♐31	18°58	23°56	26°13	11°41	25°20	23°57	3°55	12°44	8° 5	9°13	23°51	n.a.	T 11
W12	8 28 14	9° 7'33	21°22	20°54	25° 4	27° 0	11°39	25°17	23°59	3°53	12°45	7°58	9°10	23°58	n.a.	W12
T 13	8 32 10	10° 6'45	3♑14	22°49	26°11	27°46	11°38	25°15	24° 2	3°52	12°45	7°49	9° 7	24° 5	n.a.	T 13
F 14	8 36 7	11° 5'55	15°12	24°42	27°19	28°33	11°36	25°12	24° 5	3°51	12°46	7°39	9° 3	24°11	n.a.	F 14
S 15	8 40 4	12° 5'03	27°17	26°32	28°27	29°19	11°35	25°10	24° 7	3°50	12°46	7°28	9° 0	24°18	n.a.	S 15
S 16	8 44 0	13° 4'09	9♒31	28°19	29°35	0♒ 5	11°34	25° 7	24°10	3°48	12°47	7°17	8°57	24°25	n.a.	S 16
M17	8 47 57	14° 3'12	21°54	0♓ 3	0♑43	0°52	11°33	25° 4	24°12	3°47	12°47	7° 8	8°54	24°32	n.a.	M17
T 18	8 51 53	15° 2'13	4♓28	1°42	1°51	1°38	11°33	25° 2	24°15	3°46	12°47	7° 2	8°51	24°38	n.a.	T 18
W19	8 55 50	16° 1'12	17°12	3°18	2°59	2°24	11°32	24°59	24°17	3°45	12°47	6°57	8°48	24°45	n.a.	W19
T 20	8 59 46	17° 0'08	0♈ 8	4°49	4° 7	3°11	11°D32	24°56	24°20	3°44	12°48	6°55	8°44	24°52	n.a.	T 20
F 21	9 3 43	17°59'02	13°16	6°15	5°15	3°57	11°32	24°53	24°22	3°43	12°48	6°D55	8°41	24°59	n.a.	F 21
S 22	9 7 39	18°57'54	26°38	7°36	6°24	4°43	11°32	24°50	24°25	3°41	12°48	6°56	8°38	25° 5	n.a.	S 22
S 23	9 11 36	19°56'43	10♉16	8°52	7°33	5°29	11°33	24°46	24°27	3°40	12°48	6°58	8°35	25°12	n.a.	S 23
M24	9 15 32	20°55'30	24° 9	10° 2	8°41	6°15	11°33	24°43	24°29	3°39	12°48	6°R58	8°32	25°19	n.a.	M24
T 25	9 19 29	21°54'15	8♊19	11° 6	9°50	7° 1	11°34	24°40	24°31	3°38	12°49	6°57	8°29	25°25	n.a.	T 25
W26	9 23 26	22°52'57	22°44	12° 4	10°59	7°47	11°35	24°36	24°34	3°37	12°49	6°54	8°25	25°32	n.a.	W26
T 27	9 27 22	23°51'36	7♋21	12°56	12° 8	8°33	11°36	24°33	24°36	3°36	12°49	6°49	8°22	25°39	n.a.	T 27
F 28	9 31 19	24♒50'14	22♋ 3	13♓42	13♑17	9♒19	11♊38	24♍30	24♐38	3♋36	12°R49	6♈43	8♈19	25♐46	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s54	25n34	4n44	22s20	1s38	20s35	2n12	23s41	1s 6	23n11	0n30	4n17	2n46	24s 4	0s20	23n58	0n 8	10s11	6n 2	3n29	3n56	28s36		n.a.
S 2	20 42	21 12	4 9	21 49	1 32	20 47	2 8	23 34	1 6	23 10	0 30	4 18	2 46	24 4	0 20	23 58	0 8	10 11	6 2	3 25	3 55	28 37		n.a.
M 3	20 29	15 38	3 18	21 16	1 26	20 59	2 4	23 28	1 6	23 10	0 30	4 19	2 46	24 5	0 20	23 58	0 8	10 11	6 2	3 22	3 53	28 38		n.a.
T 4	20 16	9 24	2 16	20 40	1 20	21 11	1 59	23 21	1 6	23 9	0 30	4 20	2 46	24 5	0 20	23 58	0 8	10 11	6 2	3 20	3 52	28 38		n.a.
W 5	20 3	2 56	1 8	20 3	1 12	21 22	1 55	23 13	1 6	23 9	0 31	4 21	2 47	24 5	0 21	23 58	0 8	10 11	6 2	3 19	3 51	28 39		n.a.
T 6	19 49	3s26	0s 1	19 23	1 5	21 32	1 51	23 6	1 6	23 9	0 31	4 22	2 47	24 5	0 21	23 58	0 8	10 11	6 2	3 19	3 50	28 39		n.a.
F 7	19 35	9 29	1 9	18 42	0 56	21 42	1 46	22 58	1 7	23 8	0 31	4 23	2 47	24 5	0 21	23 58	0 8	10 12	6 2	3 19	3 48	28 40		n.a.
S 8	19 20	15 0	2 11	17 59	0 47	21 52	1 42	22 50	1 7	23 8	0 31	4 24	2 47	24 5	0 21	23 58	0 8	10 12	6 2	3 19	3 47	28 41		n.a.
S 9	19 5	19 49	3 6	17 14	0 37	22 1	1 37	22 41	1 7	23 8	0 31	4 25	2 47	24 5	0 21	23 58	0 8	10 12	6 3	3 19	3 46	28 41		n.a.
M10	18 50	23 46	3 52	16 28	0 27	22 9	1 33	22 33	1 7	23 8	0 31	4 26	2 48	24 6	0 21	23 58	0 8	10 12	6 3	3 18	3 44	28 42		n.a.
T 11	18 35	26 42	4 27	15 41	0 16	22 17	1 29	22 24	1 7	23 7	0 31	4 27	2 48	24 6	0 21	23 58	0 8	10 12	6 3	3 16	3 43	28 42		n.a.
W12	18 19	28 27	4 51	14 53	0 5	22 24	1 24	22 15	1 7	23 7	0 31	4 28	2 48	24 6	0 21	23 58	0 8	10 12	6 3	3 13	3 42	28 43		n.a.
T 13	18 3	28 54	5 3	14 4	0n 7	22 30	1 20	22 6	1 7	23 7	0 31	4 29	2 48	24 6	0 21	23 58	0 8	10 12	6 3	3 10	3 41	28 43		n.a.
F 14	17 46	28 0	5 1	13 15	0 19	22 37	1 16	21 56	1 7	23 7	0 31	4 31	2 49	24 6	0 21	23 58	0 8	10 12	6 3	3 5	3 39	28 44		n.a.
S 15	17 30	25 46	4 46	12 25	0 31	22 42	1 11	21 47	1 7	23 7	0 31	4 32	2 49	24 6	0 21	23 58	0 8	10 12	6 3	3 1	3 38	28 45		n.a.
S 16	17 13	22 21	4 18	11 36	0 43	22 47	1 7	21 37	1 7	23 7	0 31	4 33	2 49	24 7	0 21	23 58	0 8	10 12	6 3	2 57	3 37	28 45		n.a.
M17	16 55	17 53	3 37	10 48	0 56	22 51	1 3	21 26	1 7	23 7	0 31	4 34	2 49	24 7	0 21	23 59	0 8	10 12	6 3	2 53	3 36	28 46		n.a.
T 18	16 38	12 37	2 45	10 0	1 9	22 55	0 58	21 16	1 7	23 7	0 31	4 36	2 49	24 7	0 21	23 59	0 8	10 12	6 3	2 50	3 34	28 46		n.a.
W19	16 20	6 44	1 44	9 14	1 21	22 58	0 54	21 5	1 7	23 7	0 31	4 37	2 50	24 7	0 21	23 59	0 8	10 12	6 3	2 49	3 33	28 47		n.a.
T 20	16 2	0 30	0 36	8 29	1 34	23 0	0 50	20 54	1 7	23 7	0 31	4 38	2 50	24 7	0 21	23 59	0 8	10 12	6 4	2 48	3 32	28 47		n.a.
F 21	15 44	5n51	0n34	7 45	1 46	23 2	0 45	20 43	1 7	23 7	0 31	4 40	2 50	24 7	0 21	23 59	0 8	10 12	6 4	2 48	3 30	28 48		n.a.
S 22	15 25	12 5	1 44	7 4	1 58	23 3	0 41	20 32	1 7	23 7	0 31	4 41	2 50	24 7	0 21	23 59	0 8	10 12	6 4	2 48	3 29	28 48		n.a.
S 23	15 7	17 51	2 50	6 24	2 9	23 3	0 37	20 21	1 7	23 7	0 31	4 43	2 50	24 7	0 21	23 59	0 8	10 12	6 4	2 49	3 28	28 49		n.a.
M24	14 48	22 49	3 47	5 48	2 20	23 3	0 33	20 9	1 7	23 7	0 31	4 44	2 51	24 8	0 21	23 59	0 8	10 12	6 4	2 49	3 27	28 49		n.a.
T 25	14 28	26 34	4 31	5 13	2 31	23 3	0 29	19 57	1 7	23 7	0 31	4 46	2 51	24 8	0 21	23 59	0 8	10 12	6 4	2 48	3 25	28 49		n.a.
W26	14 9	28 40	4 59	4 42	2 41	23 1	0 25	19 45	1 7	23 7	0 31	4 47	2 51	24 8	0 21	23 59	0 8	10 12	6 4	2 47	3 24	28 50		n.a.
T 27	13 49	28 49	5 8	4 13	2 50	22 59	0 21	19 33	1 7	23 7	0 32	4 49	2 51	24 8	0 21	23 59	0 8	10 12	6 4	2 45	3 23	28 50		n.a.
F 28	13s29	26n56	4n58	3s48	2n58	22s56	0n17	19s21	1s 7	23n 8	0n32	4n50	2n51	24s 8	0s21	23n59	0n 8	10s12	6n 4	2n43	3n22	28s51		n.a.

Julian Day Number = 1100894.5, Delta T = 11h02m56s
Ecliptic obliquity = 23°53'41, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'27, Lahiri = -27°23'27 Julian Calendar 1 Feb. 1699 BCE == Greg. Calendar 18 Jan. 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

MARCH 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 35 15	25♒48'49	6♌45	14♓22	14♉26	10♒ 5	11♊39	24°R26	24♐40	3°R35	12°R49	6°R36	8♈16	25♐52	n.a.	S 1
S 2	9 39 12	26°47'21	21°19	14°55	15°35	10°50	11°41	24♍22	24°42	3♋34	12♏49	6♈31	8°13	25°59	n.a.	S 2
M 3	9 43 8	27°45'52	5♍38	15°22	16°44	11°36	11°43	24°19	24°44	3°33	12°49	6°26	8° 9	26° 6	n.a.	M 3
T 4	9 47 5	28°44'20	19°36	15°42	17°53	12°22	11°45	24°15	24°46	3°32	12°48	6°23	8° 6	26°12	n.a.	T 4
W 5	9 51 1	29°42'47	3♎10	15°56	19° 3	13° 8	11°47	24°11	24°48	3°31	12°48	6°D22	8° 3	26°19	n.a.	W 5
T 6	9 54 58	0♓41'11	16°21	16° 4	20°12	13°53	11°50	24° 7	24°50	3°31	12°48	6°22	8° 0	26°26	n.a.	T 6
F 7	9 58 55	1°39'34	29° 8	16°R 5	21°22	14°39	11°52	24° 3	24°52	3°30	12°48	6°23	7°57	26°33	n.a.	F 7
S 8	10 2 51	2°37'55	11♏36	16° 1	22°31	15°24	11°55	23°59	24°54	3°29	12°48	6°25	7°54	26°39	n.a.	S 8
S 9	10 6 48	3°36'15	23°47	15°51	23°41	16°10	11°58	23°55	24°55	3°28	12°47	6°26	7°50	26°46	n.a.	S 9
M10	10 10 44	4°34'33	5♐47	15°36	24°51	16°55	12° 1	23°51	24°57	3°28	12°47	6°R27	7°47	26°53	n.a.	M10
T 11	10 14 41	5°32'49	17°41	15°15	26° 0	17°41	12° 4	23°47	24°59	3°27	12°47	6°26	7°44	27° 0	n.a.	T 11
W12	10 18 37	6°31'03	29°33	14°50	27°10	18°26	12° 8	23°43	25° 0	3°27	12°46	6°24	7°41	27° 6	n.a.	W12
T 13	10 22 34	7°29'16	11♉28	14°21	28°20	19°11	12°11	23°39	25° 2	3°26	12°46	6°21	7°38	27°13	n.a.	T 13
F 14	10 26 30	8°27'27	23°30	13°49	29°30	19°57	12°15	23°35	25° 3	3°26	12°46	6°16	7°35	27°20	n.a.	F 14
S 15	10 30 27	9°25'36	5♒41	13°14	0♒40	20°42	12°19	23°31	25° 5	3°25	12°45	6°12	7°31	27°26	n.a.	S 15
S 16	10 34 23	10°23'43	18° 4	12°36	1°50	21°27	12°23	23°26	25° 6	3°25	12°45	6° 8	7°28	27°33	n.a.	S 16
M17	10 38 20	11°21'49	0♓41	11°58	3° 0	22°12	12°28	23°22	25° 8	3°24	12°44	6° 4	7°25	27°40	n.a.	M17
T 18	10 42 17	12°19'53	13°31	11°18	4°11	22°57	12°32	23°18	25° 9	3°24	12°44	6° 1	7°22	27°47	n.a.	T 18
W19	10 46 13	13°17'55	26°36	10°38	5°21	23°42	12°37	23°13	25°11	3°23	12°43	6° 0	7°19	27°53	n.a.	W19
T 20	10 50 10	14°15'55	9♈55	9°59	6°31	24°27	12°42	23° 9	25°12	3°23	12°42	6°D 0	7°15	28° 0	n.a.	T 20
F 21	10 54 6	15°13'53	23°26	9°22	7°41	25°12	12°47	23° 5	25°13	3°23	12°42	6° 0	7°12	28° 7	n.a.	F 21
S 22	10 58 3	16°11'50	7♉ 8	8°46	8°52	25°57	12°52	23° 0	25°14	3°23	12°41	6° 2	7° 9	28°13	n.a.	S 22
S 23	11 1 59	17° 9'44	21° 1	8°13	10° 2	26°42	12°57	22°56	25°15	3°22	12°41	6° 3	7° 6	28°20	n.a.	S 23
M24	11 5 56	18° 7'37	5♊ 3	7°43	11°13	27°27	13° 2	22°51	25°16	3°22	12°40	6° 4	7° 3	28°27	n.a.	M24
T 25	11 9 52	19° 5'27	19°13	7°16	12°23	28°11	13° 8	22°47	25°17	3°22	12°39	6°R 4	7° 0	28°34	n.a.	T 25
W26	11 13 49	20° 3'16	3♋28	6°53	13°34	28°56	13°14	22°43	25°18	3°22	12°38	6° 4	6°56	28°40	n.a.	W26
T 27	11 17 46	21° 1'03	17°46	6°35	14°44	29°41	13°20	22°38	25°19	3°22	12°38	6° 3	6°53	28°47	n.a.	T 27
F 28	11 21 42	21°58'48	2♌ 4	6°20	15°55	0♓25	13°26	22°34	25°20	3°22	12°37	6° 1	6°50	28°54	n.a.	F 28
S 29	11 25 39	22°56'31	16°18	6°10	17° 6	1°10	13°32	22°29	25°21	3°22	12°36	6° 0	6°47	29° 1	n.a.	S 29
S 30	11 29 35	23°54'12	0♍23	6° 5	18°16	1°54	13°38	22°25	25°22	3°D22	12°35	5°58	6°44	29° 7	n.a.	S 30
M31	11 33 32	24♓51'51	14♍17	6°D 4	19♒27	2♓38	13♊45	22♍20	25♐23	3♋22	12♏34	5♈57	6♈41	29♐14	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s 9	23n14	4n27	3s26	3n 5	22s53	0n13	19s 8	1s 7	23n 8	0n32	4n52	2n51	24s 8	0s21	23n59	0n 8	10s12	6n 4	2n40	3n20	28s51		n.a.
S 2	12 49	18 7	3 40	3 7	3 11	22 49	0 9	18 55	1 7	23 8	0 32	4 53	2 51	24 8	0 21	23 59	0 8	10 12	6 5	2 38	3 19	28 52		n.a.
M 3	12 29	12 5	2 39	2 52	3 16	22 44	0 5	18 42	1 7	23 8	0 32	4 55	2 52	24 8	0 21	23 59	0 8	10 11	6 5	2 36	3 18	28 52		n.a.
T 4	12 8	5 34	1 30	2 40	3 21	22 39	0 1	18 29	1 7	23 9	0 32	4 57	2 52	24 8	0 21	23 59	0 8	10 11	6 5	2 35	3 16	28 52		n.a.
W 5	11 47	1s 1	0 17	2 32	3 23	22 33	0s 2	18 16	1 7	23 9	0 32	4 58	2 52	24 9	0 21	23 59	0 8	10 11	6 5	2 34	3 15	28 53		n.a.
T 6	11 26	7 22	0s54	2 28	3 25	22 27	0 6	18 2	1 7	23 10	0 32	5 0	2 52	24 9	0 21	23 59	0 8	10 11	6 5	2 35	3 14	28 53		n.a.
F 7	11 5	13 15	2 1	2 27	3 25	22 19	0 10	17 49	1 7	23 10	0 32	5 2	2 52	24 9	0 21	23 59	0 8	10 11	6 5	2 35	3 13	28 53		n.a.
S 8	10 44	18 27	3 0	2 29	3 24	22 12	0 13	17 35	1 7	23 10	0 32	5 3	2 52	24 9	0 21	23 59	0 8	10 11	6 5	2 36	3 11	28 54		n.a.
S 9	10 22	22 47	3 50	2 36	3 22	22 3	0 17	17 21	1 7	23 11	0 32	5 5	2 52	24 9	0 21	23 59	0 8	10 11	6 5	2 36	3 10	28 54		n.a.
M10	10 1	26 5	4 29	2 45	3 18	21 54	0 20	17 7	1 6	23 11	0 32	5 7	2 53	24 9	0 21	23 59	0 8	10 10	6 5	2 36	3 9	28 55		n.a.
T 11	9 39	28 13	4 56	2 58	3 12	21 44	0 24	16 53	1 6	23 12	0 32	5 9	2 53	24 9	0 21	23 59	0 8	10 10	6 5	2 36	3 7	28 55		n.a.
W12	9 17	29 4	5 10	3 14	3 5	21 34	0 27	16 38	1 6	23 12	0 32	5 10	2 53	24 9	0 21	23 59	0 8	10 10	6 5	2 35	3 6	28 55		n.a.
T 13	8 55	28 33	5 11	3 33	2 57	21 23	0 30	16 24	1 6	23 13	0 32	5 12	2 53	24 9	0 21	23 59	0 8	10 10	6 5	2 34	3 5	28 55		n.a.
F 14	8 33	26 42	4 58	3 55	2 47	21 11	0 34	16 9	1 6	23 13	0 32	5 14	2 53	24 9	0 21	23 59	0 8	10 10	6 6	2 32	3 4	28 56		n.a.
S 15	8 11	23 36	4 32	4 19	2 36	20 59	0 37	15 54	1 6	23 14	0 32	5 16	2 53	24 9	0 21	23 59	0 8	10 9	6 6	2 30	3 2	28 56		n.a.
S 16	7 49	19 23	3 53	4 44	2 24	20 47	0 40	15 39	1 6	23 14	0 32	5 18	2 53	24 10	0 21	23 59	0 8	10 9	6 6	2 29	3 1	28 56		n.a.
M17	7 26	14 16	3 2	5 11	2 11	20 33	0 43	15 24	1 6	23 15	0 32	5 19	2 53	24 10	0 21	23 59	0 8	10 9	6 6	2 27	3 0	28 57		n.a.
T 18	7 4	8 26	2 0	5 40	1 57	20 19	0 46	15 9	1 5	23 16	0 32	5 21	2 53	24 10	0 21	23 59	0 8	10 9	6 6	2 26	2 59	28 57		n.a.
W19	6 41	2 9	0 51	6 9	1 42	20 5	0 49	14 54	1 5	23 16	0 32	5 23	2 53	24 10	0 21	23 59	0 8	10 9	6 6	2 26	2 57	28 57		n.a.
T 20	6 18	4n20	0n22	6 38	1 26	19 50	0 52	14 38	1 5	23 17	0 32	5 25	2 53	24 10	0 21	23 59	0 8	10 8	6 6	2 25	2 56	28 57		n.a.
F 21	5 56	10 44	1 35	7 7	1 10	19 34	0 54	14 23	1 5	23 18	0 32	5 27	2 53	24 10	0 21	23 59	0 8	10 8	6 6	2 26	2 55	28 58		n.a.
S 22	5 33	16 43	2 43	7 36	0 54	19 18	0 57	14 7	1 5	23 18	0 32	5 28	2 53	24 10	0 22	24 0	0 8	10 8	6 6	2 26	2 53	28 58		n.a.
S 23	5 10	21 56	3 43	8 4	0 37	19 1	1 0	13 52	1 4	23 19	0 32	5 30	2 53	24 10	0 22	24 0	0 8	10 8	6 6	2 27	2 52	28 58		n.a.
M24	4 47	25 59	4 30	8 31	0 21	18 44	1 2	13 36	1 4	23 20	0 32	5 32	2 53	24 10	0 22	24 0	0 8	10 7	6 6	2 27	2 51	28 58		n.a.
T 25	4 24	28 28	5 2	8 56	0 4	18 27	1 5	13 20	1 4	23 20	0 32	5 34	2 53	24 10	0 22	24 0	0 8	10 7	6 6	2 27	2 50	28 59		n.a.
W26	4 1	29 6	5 15	9 20	0s12	18 8	1 7	13 4	1 4	23 21	0 32	5 36	2 54	24 10	0 22	24 0	0 8	10 7	6 6	2 27	2 48	28 59		n.a.
T 27	3 38	27 47	5 9	9 41	0 27	17 50	1 10	12 48	1 4	23 22	0 32	5 37	2 54	24 10	0 22	24 0	0 8	10 6	6 6	2 27	2 47	28 59		n.a.
F 28	3 14	24 40	4 43	10 1	0 43	17 30	1 12	12 31	1 3	23 23	0 32	5 39	2 54	24 10	0 22	24 0	0 8	10 6	6 6	2 26	2 46	28 59		n.a.
S 29	2 51	20 4	4 1	10 18	0 57	17 11	1 14	12 15	1 3	23 24	0 32	5 41	2 54	24 10	0 22	24 0	0 9	10 6	6 7	2 25	2 44	28 59		n.a.
S 30	2 28	14 24	3 4	10 33	1 11	16 51	1 16	11 59	1 3	23 24	0 32	5 43	2 54	24 10	0 22	24 0	0 9	10 6	6 7	2 25	2 43	29 0		n.a.
M31	2s 5	8n 6	1n57	10s46	1s25	16s30	1s18	11s42	1s 3	23n25	0n32	5n45	2n54	24s10	0s22	24n 0	0n 9	10s 5	6n 7	2n24	2n42	29s 0		n.a.

Julian Day Number = 1100922.5, Delta T = 11h02m54s
Ecliptic obliquity = 23°53'42, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'24, Lahiri = -27°23'23 Julian Calendar 1 March 1699 BCE == Greg. Calendar 15 Feb. 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

APRIL 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 37 28	25♓49'29	27♍55	6♓ 8	20♒38	3♓23	13♊51	22°R16	25♐23	3♋22	12°R33	5°R56	6♈37	29♐21	n.a.	T 1
W 2	11 41 25	26°47'05	11♎15	6°17	21°49	4° 7	13°58	22♍12	25°24	3°22	12♏32	5°D56	6°34	29°27	n.a.	W 2
T 3	11 45 21	27°44'40	24°17	6°30	23° 0	4°51	14° 5	22° 7	25°25	3°22	12°31	5♈57	6°31	29°34	n.a.	T 3
F 4	11 49 18	28°42'14	7♏ 0	6°47	24°11	5°35	14°12	22° 3	25°25	3°22	12°30	5°57	6°28	29°41	n.a.	F 4
S 5	11 53 14	29°39'46	19°27	7°10	25°22	6°19	14°19	21°58	25°26	3°22	12°29	5°58	6°25	29°48	n.a.	S 5
S 6	11 57 11	0♈37'18	1♐39	7°36	26°33	7° 3	14°26	21°54	25°26	3°22	12°28	5°59	6°21	29°54	n.a.	S 6
M 7	12 1 8	1°34'48	13°41	8° 6	27°44	7°48	14°34	21°50	25°26	3°23	12°27	5°59	6°18	0♑ 1	n.a.	M 7
T 8	12 5 4	2°32'18	25°37	8°41	28°55	8°31	14°41	21°45	25°27	3°23	12°26	5°59	6°15	0° 8	n.a.	T 8
W 9	12 9 1	3°29'46	7♑30	9°20	0♓ 6	9°15	14°49	21°41	25°27	3°23	12°25	5°R59	6°12	0°15	n.a.	W 9
T 10	12 12 57	4°27'13	19°26	10° 2	1°17	9°59	14°57	21°37	25°27	3°24	12°24	5°59	6° 9	0°21	n.a.	T 10
F 11	12 16 54	5°24'39	1♒29	10°48	2°28	10°43	15° 5	21°32	25°28	3°24	12°23	5°59	6° 6	0°28	n.a.	F 11
S 12	12 20 50	6°22'05	13°44	11°38	3°40	11°27	15°13	21°28	25°28	3°24	12°22	5°D59	6° 2	0°35	n.a.	S 12
S 13	12 24 47	7°19'29	26°12	12°31	4°51	12°10	15°21	21°24	25°28	3°25	12°20	5°59	5°59	0°41	n.a.	S 13
M14	12 28 43	8°16'52	8♓59	13°28	6° 2	12°54	15°29	21°20	25°28	3°25	12°19	5°59	5°56	0°48	n.a.	M14
T 15	12 32 40	9°14'15	22° 4	14°28	7°14	13°38	15°37	21°16	25°R28	3°26	12°18	6° 0	5°53	0°55	n.a.	T 15
W16	12 36 37	10°11'36	5♈28	15°31	8°25	14°21	15°46	21°12	25°28	3°26	12°17	6°R 0	5°50	1° 2	n.a.	W16
T 17	12 40 33	11° 8'56	19°10	16°37	9°36	15° 5	15°55	21° 7	25°28	3°27	12°16	6° 0	5°46	1° 8	n.a.	T 17
F 18	12 44 30	12° 6'15	3♉ 7	17°46	10°48	15°48	16° 3	21° 3	25°28	3°28	12°14	5°59	5°43	1°15	n.a.	F 18
S 19	12 48 26	13° 3'34	17°17	18°59	11°59	16°31	16°12	20°59	25°27	3°28	12°13	5°58	5°40	1°22	n.a.	S 19
S 20	12 52 23	14° 0'51	1♊34	20°14	13°11	17°15	16°21	20°56	25°27	3°29	12°12	5°58	5°37	1°28	n.a.	S 20
M21	12 56 19	14°58'07	15°55	21°32	14°22	17°58	16°30	20°52	25°27	3°30	12°10	5°57	5°34	1°35	n.a.	M21
T 22	13 0 16	15°55'22	0♋16	22°53	15°34	18°41	16°39	20°48	25°27	3°30	12° 9	5°56	5°31	1°42	n.a.	T 22
W23	13 4 12	16°52'36	14°32	24°16	16°46	19°24	16°49	20°44	25°26	3°31	12° 8	5°D56	5°27	1°49	n.a.	W23
T 24	13 8 9	17°49'48	28°42	25°43	17°57	20° 7	16°58	20°40	25°26	3°32	12° 6	5°56	5°24	1°55	n.a.	T 24
F 25	13 12 6	18°47'00	12♌43	27°12	19° 9	20°50	17° 7	20°37	25°25	3°33	12° 5	5°56	5°21	2° 2	n.a.	F 25
S 26	13 16 2	19°44'10	26°33	28°44	20°21	21°33	17°17	20°33	25°25	3°34	12° 4	5°57	5°18	2° 9	n.a.	S 26
S 27	13 19 59	20°41'20	10♍12	0♈18	21°32	22°16	17°27	20°30	25°24	3°35	12° 2	5°59	5°15	2°16	n.a.	S 27
M28	13 23 55	21°38'28	23°39	1°55	22°44	22°59	17°36	20°26	25°24	3°35	12° 1	5°59	5°12	2°22	n.a.	M28
T 29	13 27 52	22°35'36	6♎52	3°35	23°56	23°41	17°46	20°23	25°23	3°36	11°59	6°R 0	5° 8	2°29	n.a.	T 29
W30	13 31 48	23♈32'43	19♎52	5♈18	25♓ 8	24♓24	17♊56	20♍19	25♐22	3♋37	11♏58	5♈59	5♈ 5	2♑36	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s41	1n31	0n44	10s56	1s37	16s 9	1s20	11s26	1s 3	23n26	0n32	5n46	2n54	24s11	0s22	24n 0	0n 9	10s 5	6n 7	2n24	2n41	29s 0		n.a.
W 2	1 18	4s59	0s29	11 3	1 49	15 47	1 22	11 9	1 2	23 27	0 32	5 48	2 53	24 11	0 22	24 0	0 9	10 5	6 7	2 24	2 39	29 0		n.a.
T 3	0 55	11 8	1 40	11 8	1 59	15 26	1 24	10 52	1 2	23 28	0 32	5 50	2 53	24 11	0 22	24 0	0 9	10 4	6 7	2 24	2 38	29 0		n.a.
F 4	0 32	16 41	2 44	11 11	2 9	15 3	1 25	10 35	1 2	23 29	0 32	5 52	2 53	24 11	0 22	24 0	0 9	10 4	6 7	2 25	2 37	29 0		n.a.
S 5	0 8	21 25	3 38	11 11	2 19	14 40	1 27	10 19	1 1	23 29	0 32	5 53	2 53	24 11	0 22	24 0	0 9	10 4	6 7	2 25	2 36	29 0		n.a.
S 6	0n15	25 9	4 22	11 9	2 27	14 17	1 29	10 2	1 1	23 30	0 32	5 55	2 53	24 11	0 22	24 0	0 9	10 3	6 7	2 25	2 34	29 0		n.a.
M 7	0 38	27 43	4 53	11 4	2 34	13 54	1 30	9 45	1 1	23 31	0 33	5 57	2 53	24 11	0 22	24 0	0 9	10 3	6 7	2 25	2 33	29 1		n.a.
T 8	1 2	29 1	5 11	10 57	2 41	13 30	1 31	9 28	1 1	23 32	0 33	5 58	2 53	24 11	0 22	24 0	0 9	10 3	6 7	2 25	2 32	29 1		n.a.
W 9	1 25	28 57	5 17	10 47	2 46	13 5	1 33	9 11	1 0	23 33	0 33	6 0	2 53	24 11	0 22	24 0	0 9	10 2	6 7	2 25	2 30	29 1		n.a.
T 10	1 48	27 32	5 8	10 35	2 51	12 41	1 34	8 54	1 0	23 34	0 33	6 2	2 53	24 11	0 22	24 0	0 9	10 2	6 7	2 25	2 29	29 1		n.a.
F 11	2 11	24 51	4 46	10 21	2 55	12 16	1 35	8 36	1 0	23 35	0 33	6 3	2 53	24 11	0 22	24 0	0 9	10 1	6 7	2 25	2 28	29 1		n.a.
S 12	2 34	21 1	4 11	10 5	2 59	11 51	1 36	8 19	0 59	23 36	0 33	6 5	2 53	24 11	0 22	24 0	0 9	10 1	6 7	2 25	2 27	29 1		n.a.
S 13	2 58	16 11	3 23	9 46	3 1	11 25	1 37	8 2	0 59	23 37	0 33	6 7	2 53	24 11	0 22	24 0	0 9	10 1	6 7	2 25	2 25	29 1		n.a.
M14	3 21	10 34	2 24	9 25	3 3	10 59	1 38	7 45	0 59	23 38	0 33	6 8	2 53	24 11	0 22	24 0	0 9	10 0	6 7	2 25	2 24	29 1		n.a.
T 15	3 44	4 22	1 16	9 3	3 4	10 33	1 39	7 27	0 58	23 39	0 33	6 10	2 53	24 11	0 22	24 0	0 9	10 0	6 7	2 25	2 23	29 1		n.a.
W16	4 7	2n10	0 3	8 38	3 4	10 6	1 40	7 10	0 58	23 40	0 33	6 11	2 53	24 11	0 22	24 0	0 9	10 0	6 7	2 25	2 21	29 1		n.a.
T 17	4 30	8 45	1n12	8 11	3 3	9 39	1 40	6 52	0 58	23 41	0 33	6 13	2 53	24 11	0 22	24 0	0 9	9 59	6 7	2 25	2 20	29 1		n.a.
F 18	4 52	15 3	2 25	7 42	3 2	9 12	1 41	6 35	0 57	23 42	0 33	6 14	2 52	24 11	0 22	24 0	0 9	9 59	6 7	2 25	2 19	29 1		n.a.
S 19	5 15	20 39	3 29	7 12	3 0	8 45	1 41	6 17	0 57	23 43	0 33	6 16	2 52	24 11	0 22	24 0	0 9	9 58	6 7	2 25	2 18	29 1		n.a.
S 20	5 38	25 7	4 21	6 39	2 57	8 18	1 42	6 0	0 57	23 43	0 33	6 17	2 52	24 11	0 22	24 0	0 9	9 58	6 7	2 25	2 16	29 1		n.a.
M21	6 0	28 3	4 57	6 5	2 54	7 50	1 42	5 42	0 56	23 44	0 33	6 19	2 52	24 11	0 22	24 0	0 9	9 58	6 7	2 24	2 15	29 1		n.a.
T 22	6 23	29 8	5 15	5 28	2 50	7 22	1 42	5 25	0 56	23 45	0 33	6 20	2 52	24 11	0 22	24 0	0 9	9 57	6 7	2 24	2 14	29 1		n.a.
W23	6 45	28 16	5 13	4 51	2 46	6 54	1 43	5 7	0 56	23 46	0 33	6 22	2 52	24 11	0 22	24 0	0 9	9 57	6 7	2 24	2 12	29 1		n.a.
T 24	7 7	25 34	4 52	4 11	2 40	6 25	1 43	4 50	0 55	23 47	0 33	6 23	2 52	24 11	0 22	24 0	0 9	9 56	6 7	2 24	2 11	29 1		n.a.
F 25	7 30	21 21	4 13	3 30	2 35	5 57	1 43	4 32	0 55	23 48	0 33	6 24	2 51	24 11	0 22	24 0	0 9	9 56	6 7	2 24	2 10	29 1		n.a.
S 26	7 52	16 2	3 21	2 47	2 28	5 28	1 43	4 15	0 55	23 49	0 33	6 26	2 51	24 11	0 22	23 59	0 9	9 56	6 7	2 25	2 9	29 1		n.a.
S 27	8 14	10 0	2 18	2 2	2 21	4 59	1 43	3 57	0 54	23 50	0 33	6 27	2 51	24 11	0 22	23 59	0 9	9 55	6 7	2 25	2 7	29 1		n.a.
M28	8 35	3 36	1 8	1 16	2 14	4 30	1 42	3 39	0 54	23 51	0 33	6 28	2 51	24 11	0 22	23 59	0 9	9 55	6 7	2 25	2 6	29 1		n.a.
T 29	8 57	2s51	0s 5	0 28	2 6	4 1	1 42	3 22	0 53	23 52	0 33	6 29	2 51	24 11	0 23	23 59	0 9	9 54	6 7	2 25	2 5	29 1		n.a.
W30	9n19	9s 5	1s16	0n21	1s58	3s31	1s42	3s 4	0s53	23n53	0n33	6n31	2n51	24s11	0s23	23n59	0n 9	9s54	6n 7	2n25	2n 3	29s 1		n.a.

Julian Day Number = 1100953.5, Delta T = 11h02m52s
Ecliptic obliquity = 23°53'42, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'19, Lahiri = -27°23'19 Julian Calendar 1 Apr. 1699 BCE == Greg. Calendar 18 March 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

MAY 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 35 45	24♈29'49	2♏38	7♈ 3	26♓20	25♓ 7	18♊ 6	20°R16	25°R22	3♋38	11°R56	5°R58	5♈ 2	2♉42	n.a.	T 1
F 2	13 39 42	25°26'55	15°11	8°51	27°32	25°49	18°16	20♍13	25♐21	3°39	11♏55	5♈56	4°59	2°49	n.a.	F 2
S 3	13 43 38	26°24'00	27°31	10°41	28°43	26°32	18°27	20°10	25°20	3°40	11°54	5°53	4°56	2°56	n.a.	S 3
S 4	13 47 35	27°21'05	9♐41	12°34	29°55	27°14	18°37	20° 6	25°19	3°42	11°52	5°49	4°52	3° 3	n.a.	S 4
M 5	13 51 31	28°18'10	21°41	14°29	1♈ 7	27°57	18°47	20° 3	25°18	3°43	11°51	5°46	4°49	3° 9	n.a.	M 5
T 6	13 55 28	29°15'15	3♉36	16°26	2°19	28°39	18°58	20° 1	25°17	3°44	11°49	5°43	4°46	3°16	n.a.	T 6
W 7	13 59 24	0♉12'20	15°29	18°26	3°31	29°21	19° 8	19°58	25°16	3°45	11°48	5°41	4°43	3°23	n.a.	W 7
T 8	14 3 21	1° 9'24	27°24	20°28	4°44	0♈ 3	19°19	19°55	25°15	3°46	11°46	5°D40	4°40	3°30	n.a.	T 8
F 9	14 7 17	2° 6'29	9♒26	22°32	5°56	0°46	19°30	19°52	25°14	3°47	11°45	5°41	4°37	3°36	n.a.	F 9
S 10	14 11 14	3° 3'33	21°40	24°37	7° 8	1°28	19°41	19°49	25°13	3°49	11°43	5°42	4°33	3°43	n.a.	S 10
S 11	14 15 11	4° 0'37	4♓10	26°44	8°20	2°10	19°51	19°47	25°12	3°50	11°41	5°43	4°30	3°50	n.a.	S 11
M12	14 19 7	4°57'41	16°59	28°52	9°32	2°52	20° 2	19°44	25°10	3°51	11°40	5°45	4°27	3°56	n.a.	M12
T 13	14 23 4	5°54'46	0♈11	1♉ 2	10°45	3°34	20°13	19°42	25° 9	3°53	11°38	5°R46	4°24	4° 3	n.a.	T 13
W14	14 27 0	6°51'50	13°48	3°12	11°57	4°15	20°24	19°40	25° 8	3°54	11°37	5°46	4°21	4°10	n.a.	W14
T 15	14 30 57	7°48'54	27°48	5°22	13° 9	4°57	20°36	19°37	25° 6	3°55	11°35	5°44	4°17	4°17	n.a.	T 15
F 16	14 34 53	8°45'59	12♉ 8	7°33	14°22	5°39	20°47	19°35	25° 5	3°57	11°34	5°41	4°14	4°23	n.a.	F 16
S 17	14 38 50	9°43'03	26°44	9°43	15°34	6°21	20°58	19°33	25° 4	3°58	11°32	5°37	4°11	4°30	n.a.	S 17
S 18	14 42 47	10°40'07	11♊29	11°54	16°46	7° 2	21°10	19°31	25° 2	4° 0	11°31	5°32	4° 8	4°37	n.a.	S 18
M19	14 46 43	11°37'12	26°15	14° 4	17°59	7°44	21°21	19°29	25° 1	4° 1	11°29	5°27	4° 5	4°43	n.a.	M19
T 20	14 50 40	12°34'16	10♋54	16°12	19°11	8°25	21°32	19°27	24°59	4° 3	11°28	5°23	4° 2	4°50	n.a.	T 20
W21	14 54 36	13°31'20	25°21	18°20	20°24	9° 7	21°44	19°26	24°58	4° 4	11°26	5°20	3°58	4°57	n.a.	W21
T 22	14 58 33	14°28'23	9♌33	20°27	21°36	9°48	21°56	19°24	24°56	4° 6	11°25	5°D18	3°55	5° 4	n.a.	T 22
F 23	15 2 29	15°25'27	23°27	22°32	22°49	10°29	22° 7	19°22	24°54	4° 7	11°23	5°19	3°52	5°10	n.a.	F 23
S 24	15 6 26	16°22'30	7♍ 4	24°36	24° 1	11°11	22°19	19°21	24°53	4° 9	11°21	5°20	3°49	5°17	n.a.	S 24
S 25	15 10 22	17°19'33	20°24	26°39	25°14	11°52	22°31	19°20	24°51	4°11	11°20	5°21	3°46	5°24	n.a.	S 25
M26	15 14 19	18°16'36	3♎30	28°39	26°27	12°33	22°43	19°18	24°49	4°12	11°18	5°R22	3°43	5°31	n.a.	M26
T 27	15 18 16	19°13'40	16°21	0♊38	27°39	13°14	22°55	19°17	24°47	4°14	11°17	5°21	3°39	5°37	n.a.	T 27
W28	15 22 12	20°10'43	29° 1	2°35	28°52	13°55	23° 7	19°16	24°46	4°16	11°15	5°19	3°36	5°44	n.a.	W28
T 29	15 26 9	21° 7'47	11♏30	4°30	0♉ 5	14°36	23°19	19°15	24°44	4°17	11°14	5°14	3°33	5°51	n.a.	T 29
F 30	15 30 5	22° 4'51	23°50	6°24	1°18	15°17	23°31	19°14	24°42	4°19	11°12	5° 8	3°30	5°57	n.a.	F 30
S 31	15 34 2	23♉ 1'56	6♐ 1	8♊15	2♉30	15♈58	23♊43	19♍13	24♐40	4♋21	11♏11	5♈ 0	3♈27	6♉ 4	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9n40	14s50	2s22	1n11	1s49	3s 2	1s41	2s47	0s53	23n54	0n33	6n32	2n51	24s11	0s23	23n59	0n 9	9s54	6n 7	2n25	2n 2	29s 0			n.a.
F 2	10 1	19 52	3 19	2 3	1 39	2 32	1 41	2 29	0 52	23 55	0 33	6 33	2 50	24 11	0 23	23 59	0 9	9 53	6 7	2 24	2 1	29 0			n.a.
S 3	10 23	23 58	4 7	2 56	1 30	2 3	1 40	2 12	0 52	23 56	0 33	6 34	2 50	24 11	0 23	23 59	0 9	9 53	6 7	2 23	2 0	29 0			n.a.
S 4	10 44	26 58	4 42	3 50	1 20	1 33	1 40	1 54	0 51	23 57	0 33	6 35	2 50	24 11	0 23	23 59	0 9	9 52	6 7	2 21	1 58	29 0			n.a.
M 5	11 4	28 41	5 4	4 45	1 9	1 3	1 39	1 36	0 51	23 58	0 33	6 36	2 50	24 11	0 23	23 59	0 9	9 52	6 7	2 20	1 57	29 0			n.a.
T 6	11 25	29 4	5 13	5 41	0 59	0 34	1 38	1 19	0 50	23 59	0 33	6 37	2 50	24 11	0 23	23 59	0 9	9 52	6 7	2 19	1 56	29 0			n.a.
W 7	11 45	28 6	5 9	6 37	0 48	0 4	1 38	1 1	0 50	24 0	0 33	6 38	2 49	24 11	0 23	23 59	0 9	9 51	6 6	2 18	1 54	29 0			n.a.
T 8	12 6	25 50	4 52	7 34	0 37	0n26	1 37	0 44	0 49	24 1	0 33	6 39	2 49	24 11	0 23	23 59	0 9	9 51	6 6	2 18	1 53	28 59			n.a.
F 9	12 26	22 25	4 21	8 31	0 26	0 56	1 36	0 26	0 49	24 2	0 33	6 40	2 49	24 11	0 23	23 59	0 9	9 50	6 6	2 18	1 52	28 59			n.a.
S 10	12 46	17 59	3 38	9 29	0 15	1 26	1 35	0 9	0 49	24 2	0 33	6 41	2 49	24 11	0 23	23 59	0 9	9 50	6 6	2 18	1 51	28 59			n.a.
S 11	13 6	12 43	2 44	10 26	0 4	1 56	1 34	0n 9	0 48	24 3	0 34	6 42	2 49	24 11	0 23	23 59	0 9	9 50	6 6	2 19	1 49	28 59			n.a.
M12	13 25	6 47	1 41	11 23	0n 6	2 26	1 32	0 26	0 48	24 4	0 34	6 43	2 48	24 11	0 23	23 59	0 9	9 49	6 6	2 19	1 48	28 59			n.a.
T 13	13 45	0 23	0 30	12 19	0 17	2 56	1 31	0 43	0 47	24 5	0 34	6 43	2 48	24 11	0 23	23 59	0 9	9 49	6 6	2 20	1 47	28 58			n.a.
W14	14 4	6n13	0n44	13 14	0 27	3 26	1 30	1 1	0 47	24 6	0 34	6 44	2 48	24 11	0 23	23 59	0 9	9 48	6 6	2 20	1 46	28 58			n.a.
T 15	14 23	12 42	1 57	14 9	0 37	3 56	1 29	1 18	0 46	24 7	0 34	6 45	2 48	24 11	0 23	23 59	0 9	9 48	6 6	2 19	1 44	28 58			n.a.
F 16	14 42	18 42	3 5	15 2	0 47	4 26	1 27	1 35	0 46	24 8	0 34	6 45	2 48	24 11	0 23	23 59	0 9	9 48	6 6	2 18	1 43	28 58			n.a.
S 17	15 0	23 43	4 2	15 53	0 56	4 55	1 26	1 53	0 45	24 9	0 34	6 46	2 47	24 11	0 23	23 59	0 9	9 47	6 6	2 16	1 42	28 58			n.a.
S 18	15 18	27 16	4 44	16 43	1 4	5 25	1 24	2 10	0 45	24 9	0 34	6 47	2 47	24 11	0 23	23 59	0 9	9 47	6 6	2 14	1 40	28 57			n.a.
M19	15 36	28 57	5 6	17 31	1 12	5 55	1 23	2 27	0 44	24 10	0 34	6 47	2 47	24 11	0 23	23 59	0 9	9 47	6 5	2 12	1 39	28 57			n.a.
T 20	15 54	28 34	5 9	18 16	1 20	6 24	1 21	2 44	0 44	24 11	0 34	6 48	2 47	24 11	0 23	23 59	0 9	9 46	6 5	2 11	1 38	28 57			n.a.
W21	16 12	26 15	4 52	19 0	1 27	6 53	1 20	3 1	0 43	24 12	0 34	6 48	2 46	24 11	0 23	23 59	0 9	9 46	6 5	2 9	1 37	28 56			n.a.
T 22	16 29	22 19	4 17	19 41	1 33	7 23	1 18	3 18	0 43	24 13	0 34	6 49	2 46	24 11	0 23	23 59	0 9	9 45	6 5	2 9	1 35	28 56			n.a.
F 23	16 46	17 13	3 27	20 20	1 38	7 52	1 16	3 35	0 42	24 13	0 34	6 49	2 46	24 11	0 23	23 59	0 9	9 45	6 5	2 9	1 34	28 56			n.a.
S 24	17 3	11 21	2 27	20 57	1 43	8 21	1 14	3 52	0 42	24 14	0 34	6 49	2 46	24 11	0 23	23 59	0 9	9 45	6 5	2 9	1 33	28 56			n.a.
S 25	17 20	5 6	1 20	21 31	1 47	8 49	1 12	4 9	0 41	24 15	0 34	6 50	2 45	24 11	0 23	23 59	0 9	9 44	6 5	2 10	1 31	28 55			n.a.
M26	17 36	1s16	0 10	22 2	1 51	9 18	1 11	4 26	0 41	24 16	0 34	6 50	2 45	24 11	0 23	23 59	0 9	9 44	6 5	2 10	1 30	28 55			n.a.
T 27	17 52	7 27	0s59	22 31	1 54	9 46	1 9	4 42	0 40	24 16	0 34	6 50	2 45	24 11	0 23	23 59	0 9	9 44	6 5	2 10	1 29	28 55			n.a.
W28	18 8	13 16	2 4	22 58	1 56	10 15	1 7	4 59	0 40	24 17	0 34	6 50	2 45	24 11	0 23	23 58	0 9	9 43	6 4	2 9	1 28	28 54			n.a.
T 29	18 23	18 27	3 2	23 22	1 57	10 42	1 5	5 16	0 39	24 18	0 34	6 51	2 44	24 10	0 23	23 58	0 9	9 43	6 4	2 7	1 26	28 54			n.a.
F 30	18 38	22 48	3 51	23 43	1 58	11 10	1 3	5 32	0 39	24 18	0 34	6 51	2 44	24 10	0 23	23 58	0 9	9 43	6 4	2 5	1 25	28 54			n.a.
S 31	18n53	26s 7	4s28	24n 3	1n58	11n38	1s 0	5n49	0s38	24n19	0n34	6n51	2n44	24s10	0s23	23n58	0n 9	9s42	6n 4	2n 1	1n24	28s53			n.a.

Julian Day Number = 1100983.5, Delta T = 11h02m50s
Ecliptic obliquity = 23°53'42, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'15, Lahiri = -27°23'15 Julian Calendar 1 May 1699 BCE == Greg. Calendar 17 Apr. 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

JUNE 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 37 58	23♉59'01	18♐ 4	10♊ 5	3♉43	16♈38	23♊55	19°R13	24°R38	4♋23	11°R 9	4°R51	3♈23	6♑11	n.a.	S 1
M 2	15 41 55	24°56'07	0♑ 1	11°53	4°56	17°19	24° 7	19♍12	24♐36	4°24	11♏ 8	4♈42	3°20	6°18	n.a.	M 2
T 3	15 45 52	25°53'14	11°54	13°39	6° 9	18° 0	24°19	19°11	24°34	4°26	11° 6	4°34	3°17	6°24	n.a.	T 3
W 4	15 49 48	26°50'21	23°46	15°23	7°22	18°40	24°32	19°11	24°32	4°28	11° 5	4°27	3°14	6°31	n.a.	W 4
T 5	15 53 45	27°47'30	5♒40	17° 5	8°35	19°21	24°44	19°11	24°30	4°30	11° 3	4°22	3°11	6°38	n.a.	T 5
F 6	15 57 41	28°44'39	17°40	18°45	9°48	20° 1	24°57	19°10	24°28	4°32	11° 2	4°20	3° 8	6°45	n.a.	F 6
S 7	16 1 38	29°41'48	29°51	20°24	11° 1	20°41	25° 9	19°10	24°26	4°34	11° 0	4°D19	3° 4	6°51	n.a.	S 7
S 8	16 5 34	0♊38'59	12♓17	22° 0	12°14	21°22	25°21	19°D10	24°24	4°36	10°59	4°19	3° 1	6°58	n.a.	S 8
M 9	16 9 31	1°36'11	25° 4	23°35	13°27	22° 2	25°34	19°10	24°22	4°38	10°58	4°20	2°58	7° 5	n.a.	M 9
T 10	16 13 28	2°33'24	8♈16	25° 8	14°40	22°42	25°47	19°10	24°19	4°39	10°56	4°R21	2°55	7°11	n.a.	T 10
W11	16 17 24	3°30'38	21°55	26°39	15°54	23°22	25°59	19°11	24°17	4°41	10°55	4°19	2°52	7°18	n.a.	W11
T 12	16 21 21	4°27'53	6♉ 3	28° 8	17° 7	24° 2	26°12	19°11	24°15	4°43	10°53	4°16	2°49	7°25	n.a.	T 12
F 13	16 25 17	5°25'09	20°36	29°35	18°20	24°42	26°24	19°11	24°13	4°45	10°52	4°10	2°45	7°32	n.a.	F 13
S 14	16 29 14	6°22'26	5♊30	1♋ 0	19°33	25°22	26°37	19°12	24°11	4°47	10°51	4° 2	2°42	7°38	n.a.	S 14
S 15	16 33 10	7°19'45	20°36	2°23	20°47	26° 2	26°50	19°12	24° 8	4°49	10°49	3°53	2°39	7°45	n.a.	S 15
M16	16 37 7	8°17'04	5♋44	3°44	22° 0	26°42	27° 3	19°13	24° 6	4°51	10°48	3°44	2°36	7°52	n.a.	M16
T 17	16 41 3	9°14'24	20°44	5° 3	23°14	27°22	27°15	19°14	24° 4	4°53	10°47	3°35	2°33	7°59	n.a.	T 17
W18	16 45 0	10°11'44	5♌27	6°20	24°27	28° 1	27°28	19°15	24° 2	4°55	10°45	3°29	2°29	8° 5	n.a.	W18
T 19	16 48 57	11° 9'06	19°49	7°35	25°40	28°41	27°41	19°16	23°59	4°58	10°44	3°25	2°26	8°12	n.a.	T 19
F 20	16 52 53	12° 6'28	3♍47	8°47	26°54	29°20	27°54	19°17	23°57	5° 0	10°43	3°24	2°23	8°19	n.a.	F 20
S 21	16 56 50	13° 3'51	17°20	9°58	28° 7	29°59	28° 7	19°18	23°55	5° 2	10°42	3°D23	2°20	8°25	n.a.	S 21
S 22	17 0 46	14° 1'15	0♎32	11° 5	29°21	0♉39	28°20	19°19	23°52	5° 4	10°40	3°R24	2°17	8°32	n.a.	S 22
M23	17 4 43	14°58'39	13°25	12°11	0♊35	1°18	28°33	19°21	23°50	5° 6	10°39	3°23	2°14	8°39	n.a.	M23
T 24	17 8 39	15°56'05	26° 2	13°14	1°48	1°58	28°46	19°22	23°48	5° 8	10°38	3°21	2°10	8°46	n.a.	T 24
W25	17 12 36	16°53'32	8♏27	14°14	3° 2	2°37	28°59	19°24	23°45	5°10	10°37	3°17	2° 7	8°52	n.a.	W25
T 26	17 16 33	17°51'00	20°42	15°11	4°15	3°16	29°12	19°26	23°43	5°12	10°36	3°10	2° 4	8°59	n.a.	T 26
F 27	17 20 29	18°48'29	2♐50	16° 5	5°29	3°55	29°25	19°27	23°40	5°14	10°34	3° 0	2° 1	9° 6	n.a.	F 27
S 28	17 24 26	19°45'59	14°52	16°57	6°43	4°34	29°38	19°29	23°38	5°17	10°33	2°48	1°58	9°13	n.a.	S 28
S 29	17 28 22	20°43'31	26°49	17°45	7°57	5°13	29°51	19°31	23°36	5°19	10°32	2°34	1°55	9°19	n.a.	S 29
M30	17 32 19	21♊41'04	8♑43	18♋29	9♊11	5♉52	0♋ 4	19♍33	23♐33	5♋21	10♏31	2♈21	1♈51	9♑26	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n 7	28s13	4s53	24n19	1n58	12n 5	0s58	6n 5	0s37	24n20	0n34	6n51	2n44	24s10	0s23	23n58	0n 9	9s42	6n 4	1n58	1n22	28s53		n.a.
M 2	19 22	28 59	5 5	24 34	1 57	12 32	0 56	6 22	0 37	24 20	0 35	6 51	2 43	24 10	0 23	23 58	0 9	9 42	6 4	1 54	1 21	28 52		n.a.
T 3	19 36	28 23	5 3	24 46	1 55	12 59	0 54	6 38	0 36	24 21	0 35	6 51	2 43	24 10	0 23	23 58	0 9	9 41	6 4	1 51	1 20	28 52		n.a.
W 4	19 49	26 30	4 49	24 57	1 53	13 25	0 52	6 54	0 36	24 21	0 35	6 51	2 43	24 10	0 23	23 58	0 9	9 41	6 3	1 48	1 19	28 52		n.a.
T 5	20 3	23 26	4 22	25 5	1 50	13 51	0 50	7 10	0 35	24 22	0 35	6 51	2 43	24 10	0 23	23 58	0 9	9 41	6 3	1 46	1 17	28 51		n.a.
F 6	20 16	19 22	3 43	25 11	1 47	14 17	0 47	7 26	0 35	24 23	0 35	6 51	2 42	24 10	0 23	23 58	0 9	9 40	6 3	1 45	1 16	28 51		n.a.
S 7	20 28	14 27	2 54	25 15	1 43	14 42	0 45	7 42	0 34	24 23	0 35	6 50	2 42	24 10	0 23	23 58	0 9	9 40	6 3	1 45	1 15	28 50		n.a.
S 8	20 40	8 51	1 55	25 17	1 38	15 7	0 43	7 58	0 33	24 24	0 35	6 50	2 42	24 10	0 23	23 58	0 9	9 40	6 3	1 45	1 13	28 50		n.a.
M 9	20 52	2 45	0 49	25 18	1 34	15 32	0 40	8 14	0 33	24 24	0 35	6 50	2 42	24 10	0 23	23 58	0 9	9 40	6 3	1 45	1 12	28 50		n.a.
T 10	21 4	3n40	0n21	25 16	1 28	15 57	0 38	8 30	0 32	24 25	0 35	6 50	2 41	24 10	0 23	23 58	0 9	9 39	6 2	1 45	1 11	28 49		n.a.
W11	21 15	10 7	1 32	25 14	1 23	16 21	0 35	8 45	0 32	24 25	0 35	6 49	2 41	24 10	0 23	23 58	0 9	9 39	6 2	1 45	1 10	28 49		n.a.
T 12	21 26	16 18	2 41	25 9	1 16	16 44	0 33	9 1	0 31	24 25	0 35	6 49	2 41	24 9	0 23	23 58	0 9	9 39	6 2	1 43	1 8	28 48		n.a.
F 13	21 37	21 46	3 40	25 3	1 10	17 7	0 31	9 17	0 30	24 26	0 35	6 49	2 40	24 9	0 23	23 58	0 9	9 39	6 2	1 41	1 7	28 48		n.a.
S 14	21 47	26 0	4 27	24 56	1 3	17 30	0 28	9 32	0 30	24 26	0 35	6 48	2 40	24 9	0 23	23 58	0 9	9 38	6 2	1 38	1 6	28 47		n.a.
S 15	21 57	28 27	4 55	24 47	0 55	17 52	0 26	9 47	0 29	24 27	0 35	6 48	2 40	24 9	0 23	23 57	0 9	9 38	6 1	1 34	1 4	28 47		n.a.
M16	22 6	28 48	5 3	24 38	0 47	18 14	0 23	10 3	0 29	24 27	0 35	6 47	2 40	24 9	0 24	23 57	0 9	9 38	6 1	1 31	1 3	28 46		n.a.
T 17	22 15	27 2	4 50	24 27	0 39	18 36	0 21	10 18	0 28	24 27	0 35	6 47	2 39	24 9	0 24	23 57	0 9	9 38	6 1	1 27	1 2	28 46		n.a.
W18	22 24	23 25	4 17	24 15	0 30	18 57	0 18	10 33	0 27	24 28	0 36	6 46	2 39	24 9	0 24	23 57	0 9	9 37	6 1	1 25	1 1	28 45		n.a.
T 19	22 32	18 27	3 30	24 2	0 21	19 17	0 16	10 48	0 27	24 28	0 36	6 45	2 39	24 9	0 24	23 57	0 9	9 37	6 1	1 23	0 59	28 45		n.a.
F 20	22 40	12 38	2 30	23 48	0 12	19 37	0 13	11 3	0 26	24 28	0 36	6 45	2 39	24 9	0 24	23 57	0 9	9 37	6 0	1 22	0 58	28 44		n.a.
S 21	22 48	6 23	1 24	23 33	0 2	19 56	0 11	11 17	0 25	24 29	0 36	6 44	2 38	24 9	0 24	23 57	0 9	9 37	6 0	1 22	0 57	28 44		n.a.
S 22	22 55	0 1	0 15	23 18	0s 8	20 15	0 8	11 32	0 25	24 29	0 36	6 43	2 38	24 9	0 24	23 57	0 9	9 37	6 0	1 22	0 55	28 43		n.a.
M23	23 2	6s12	0s53	23 2	0 18	20 34	0 6	11 46	0 24	24 29	0 36	6 42	2 38	24 8	0 24	23 57	0 9	9 37	6 0	1 22	0 54	28 42		n.a.
T 24	23 8	12 3	1 57	22 45	0 28	20 51	0 3	12 1	0 23	24 29	0 36	6 41	2 38	24 8	0 24	23 57	0 9	9 36	6 0	1 22	0 53	28 42		n.a.
W25	23 14	17 20	2 54	22 28	0 39	21 9	0 1	12 15	0 23	24 29	0 36	6 41	2 37	24 8	0 24	23 57	0 9	9 36	5 59	1 20	0 52	28 41		n.a.
T 26	23 20	21 50	3 42	22 11	0 50	21 25	0n 1	12 29	0 22	24 30	0 36	6 40	2 37	24 8	0 24	23 57	0 9	9 36	5 59	1 17	0 50	28 41		n.a.
F 27	23 25	25 22	4 20	21 53	1 2	21 41	0 4	12 44	0 22	24 30	0 36	6 39	2 37	24 8	0 24	23 57	0 9	9 36	5 59	1 13	0 49	28 40		n.a.
S 28	23 29	27 45	4 46	21 35	1 13	21 57	0 6	12 58	0 21	24 30	0 36	6 38	2 37	24 8	0 24	23 57	0 9	9 36	5 59	1 8	0 48	28 40		n.a.
S 29	23 34	28 50	4 58	21 18	1 25	22 12	0 9	13 11	0 20	24 30	0 36	6 37	2 36	24 8	0 24	23 56	0 9	9 36	5 58	1 2	0 46	28 39		n.a.
M30	23n38	28s33	4s58	21n 0	1s36	22n26	0n11	13n25	0s19	24n30	0n36	6n36	2n36	24s 8	0s24	23n56	0n 9	9s36	5n58	0n57	0n45	28s38		n.a.

Julian Day Number = 1101014.5, Delta T = 11h02m48s
Ecliptic obliquity = 23°53'41, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'11, Lahiri = -27°23'11 Julian Calendar 1 June 1699 BCE == Greg. Calendar 18 May 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

JULY 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 36 15	22♊38'38	20♑34	19♋10	10♊24	6♉31	0♋17	19♍35	23°R31	5♋23	10°R30	2°R 8	1♈48	9♑33	n.a.	T 1
W 2	17 40 12	23°36'15	2♒26	19°48	11°38	7° 9	0°30	19°37	23♐29	5°25	10♏29	1♈58	1°45	9°39	n.a.	W 2
T 3	17 44 8	24°33'52	14°21	20°21	12°52	7°48	0°43	19°40	23°26	5°27	10°28	1°50	1°42	9°46	n.a.	T 3
F 4	17 48 5	25°31'32	26°21	20°50	14° 6	8°26	0°56	19°42	23°24	5°30	10°27	1°44	1°39	9°53	n.a.	F 4
S 5	17 52 2	26°29'13	8♓31	21°15	15°20	9° 5	1° 9	19°45	23°21	5°32	10°26	1°42	1°35	10° 0	n.a.	S 5
S 6	17 55 58	27°26'56	20°55	21°35	16°34	9°43	1°22	19°47	23°19	5°34	10°25	1°41	1°32	10° 6	n.a.	S 6
M 7	17 59 55	28°24'40	3♈38	21°50	17°48	10°22	1°35	19°50	23°17	5°36	10°24	1°41	1°29	10°13	n.a.	M 7
T 8	18 3 51	29°22'27	16°45	22° 0	19° 2	11° 0	1°49	19°53	23°14	5°39	10°23	1°40	1°26	10°20	n.a.	T 8
W 9	18 7 48	0♋20'15	0♉19	22°R 4	20°16	11°38	2° 2	19°55	23°12	5°41	10°23	1°38	1°23	10°26	n.a.	W 9
T 10	18 11 44	1°18'06	14°23	22° 4	21°31	12°16	2°15	19°58	23° 9	5°43	10°22	1°34	1°20	10°33	n.a.	T 10
F 11	18 15 41	2°15'58	28°55	21°57	22°45	12°55	2°28	20° 1	23° 7	5°45	10°21	1°27	1°16	10°40	n.a.	F 11
S 12	18 19 37	3°13'53	13♊52	21°45	23°59	13°33	2°41	20° 4	23° 5	5°47	10°20	1°18	1°13	10°47	n.a.	S 12
S 13	18 23 34	4°11'49	29° 5	21°27	25°13	14°10	2°54	20° 8	23° 2	5°50	10°19	1° 8	1°10	10°53	n.a.	S 13
M14	18 27 31	5° 9'47	14♋25	21° 3	26°27	14°48	3° 7	20°11	23° 0	5°52	10°19	0°57	1° 7	11° 0	n.a.	M14
T 15	18 31 27	6° 7'47	29°39	20°33	27°42	15°26	3°21	20°14	22°58	5°54	10°18	0°47	1° 4	11° 7	n.a.	T 15
W16	18 35 24	7° 5'48	14♌37	19°57	28°56	16° 4	3°34	20°18	22°55	5°56	10°17	0°39	1° 1	11°14	n.a.	W16
T 17	18 39 20	8° 3'51	29°11	19°16	0♋11	16°41	3°47	20°21	22°53	5°59	10°17	0°34	0°57	11°20	n.a.	T 17
F 18	18 43 17	9° 1'55	13♍18	18°31	1°25	17°19	4° 0	20°25	22°51	6° 1	10°16	0°31	0°54	11°27	n.a.	F 18
S 19	18 47 13	10° 0'01	26°57	17°41	2°39	17°56	4°13	20°28	22°49	6° 3	10°15	0°D30	0°51	11°34	n.a.	S 19
S 20	18 51 10	10°58'08	10♎ 9	16°47	3°54	18°34	4°26	20°32	22°46	6° 5	10°15	0°R30	0°48	11°40	n.a.	S 20
M21	18 55 6	11°56'17	22°59	15°51	5° 8	19°11	4°39	20°36	22°44	6° 7	10°14	0°30	0°45	11°47	n.a.	M21
T 22	18 59 3	12°54'28	5♏31	14°54	6°23	19°48	4°52	20°40	22°42	6°10	10°14	0°28	0°41	11°54	n.a.	T 22
W23	19 3 0	13°52'40	17°48	13°56	7°37	20°26	5° 5	20°44	22°40	6°12	10°13	0°24	0°38	12° 1	n.a.	W23
T 24	19 6 56	14°50'55	29°55	13° 0	8°52	21° 3	5°18	20°48	22°38	6°14	10°13	0°17	0°35	12° 7	n.a.	T 24
F 25	19 10 53	15°49'10	11♐55	12° 5	10° 6	21°40	5°31	20°52	22°35	6°16	10°13	0° 7	0°32	12°14	n.a.	F 25
S 26	19 14 49	16°47'28	23°50	11°14	11°21	22°17	5°44	20°56	22°33	6°18	10°12	29♓55	0°29	12°21	n.a.	S 26
S 27	19 18 46	17°45'48	5♑44	10°28	12°36	22°53	5°57	21° 0	22°31	6°21	10°12	29°42	0°26	12°27	n.a.	S 27
M28	19 22 42	18°44'09	17°36	9°47	13°50	23°30	6°10	21° 5	22°29	6°23	10°11	29°29	0°22	12°34	n.a.	M28
T 29	19 26 39	19°42'33	29°29	9°14	15° 5	24° 7	6°23	21° 9	22°27	6°25	10°11	29°17	0°19	12°41	n.a.	T 29
W30	19 30 35	20°40'59	11♒25	8°48	16°20	24°43	6°36	21°14	22°25	6°27	10°11	29° 6	0°16	12°48	n.a.	W30
T 31	19 34 32	21♋39'26	23♒24	8♋30	17♋34	25♉20	6♋49	21♍18	22♐23	6♋29	10♏11	28♓59	0♈13	12♑54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n41	26s58	4s45	20n43	1s48	22n39	0n14	13n39	0s19	24n30	0n37	6n35	2n36	24s 8	0s24	23n56	0n 9	9s35	5n58	0n52	0n44	28s38			n.a.
W 2	23 44	24 11	4 19	20 25	2 0	22 52	0 16	13 53	0 18	24 30	0 37	6 34	2 35	24 7	0 24	23 56	0 9	9 35	5 58	0 48	0 43	28 37			n.a.
T 3	23 47	20 22	3 42	20 8	2 12	23 5	0 18	14 6	0 17	24 30	0 37	6 32	2 35	24 7	0 24	23 56	0 9	9 35	5 58	0 44	0 41	28 36			n.a.
F 4	23 49	15 42	2 55	19 52	2 24	23 16	0 21	14 19	0 17	24 30	0 37	6 31	2 35	24 7	0 24	23 56	0 9	9 35	5 57	0 42	0 40	28 36			n.a.
S 5	23 51	10 22	1 59	19 37	2 36	23 27	0 23	14 33	0 16	24 30	0 37	6 30	2 35	24 7	0 24	23 56	0 9	9 35	5 57	0 41	0 39	28 35			n.a.
S 6	23 52	4 32	0 57	19 22	2 48	23 37	0 25	14 46	0 15	24 30	0 37	6 29	2 34	24 7	0 24	23 56	0 9	9 35	5 57	0 41	0 37	28 34			n.a.
M 7	23 53	1n38	0n10	19 8	3 0	23 47	0 28	14 59	0 15	24 30	0 37	6 27	2 34	24 7	0 24	23 56	0 9	9 35	5 57	0 41	0 36	28 34			n.a.
T 8	23 54	7 55	1 19	18 55	3 11	23 56	0 30	15 11	0 14	24 30	0 37	6 26	2 34	24 7	0 24	23 56	0 9	9 35	5 56	0 41	0 35	28 33			n.a.
W 9	23 54	14 3	2 25	18 44	3 22	24 4	0 32	15 24	0 13	24 30	0 37	6 25	2 34	24 7	0 24	23 56	0 9	9 35	5 56	0 40	0 34	28 32			n.a.
T 10	23 53	19 43	3 25	18 33	3 32	24 11	0 34	15 37	0 12	24 30	0 37	6 23	2 33	24 7	0 24	23 56	0 9	9 35	5 56	0 38	0 32	28 32			n.a.
F 11	23 52	24 25	4 14	18 25	3 42	24 18	0 37	15 49	0 12	24 30	0 37	6 22	2 33	24 6	0 24	23 56	0 9	9 35	5 56	0 35	0 31	28 31			n.a.
S 12	23 51	27 38	4 46	18 17	3 52	24 24	0 39	16 2	0 11	24 29	0 37	6 20	2 33	24 6	0 24	23 55	0 10	9 35	5 55	0 32	0 30	28 30			n.a.
S 13	23 50	28 53	5 0	18 12	4 0	24 29	0 41	16 14	0 10	24 29	0 38	6 19	2 33	24 6	0 24	23 55	0 10	9 35	5 55	0 27	0 28	28 30			n.a.
M14	23 47	27 56	4 52	18 8	4 7	24 34	0 43	16 26	0 10	24 29	0 38	6 17	2 32	24 6	0 24	23 55	0 10	9 35	5 55	0 23	0 27	28 29			n.a.
T 15	23 45	24 54	4 23	18 7	4 14	24 37	0 45	16 38	0 9	24 29	0 38	6 16	2 32	24 6	0 24	23 55	0 10	9 35	5 54	0 19	0 26	28 28			n.a.
W16	23 42	20 12	3 37	18 7	4 19	24 40	0 47	16 50	0 8	24 29	0 38	6 14	2 32	24 6	0 24	23 55	0 10	9 35	5 54	0 16	0 25	28 27			n.a.
T 17	23 39	14 25	2 37	18 9	4 22	24 42	0 49	17 2	0 7	24 28	0 38	6 13	2 32	24 6	0 24	23 55	0 10	9 35	5 54	0 14	0 23	28 27			n.a.
F 18	23 35	8 3	1 30	18 14	4 24	24 44	0 51	17 13	0 7	24 28	0 38	6 11	2 32	24 6	0 24	23 55	0 10	9 35	5 54	0 13	0 22	28 26			n.a.
S 19	23 31	1 31	0 19	18 20	4 24	24 45	0 53	17 25	0 6	24 28	0 38	6 9	2 31	24 5	0 24	23 55	0 10	9 35	5 53	0 12	0 21	28 25			n.a.
S 20	23 26	4s52	0s51	18 29	4 23	24 45	0 54	17 36	0 5	24 27	0 38	6 8	2 31	24 5	0 24	23 55	0 10	9 35	5 53	0 12	0 19	28 24			n.a.
M21	23 21	10 53	1 56	18 39	4 19	24 44	0 56	17 47	0 4	24 27	0 38	6 6	2 31	24 5	0 24	23 55	0 10	9 35	5 53	0 12	0 18	28 23			n.a.
T 22	23 15	16 20	2 54	18 51	4 13	24 42	0 58	17 58	0 4	24 27	0 38	6 4	2 31	24 5	0 24	23 55	0 10	9 36	5 53	0 11	0 17	28 23			n.a.
W23	23 9	21 1	3 42	19 5	4 6	24 40	1 0	18 9	0 3	24 26	0 39	6 2	2 30	24 5	0 24	23 54	0 10	9 36	5 52	0 10	0 16	28 22			n.a.
T 24	23 3	24 45	4 20	19 20	3 56	24 37	1 1	18 20	0 2	24 26	0 39	6 0	2 30	24 5	0 24	23 54	0 10	9 36	5 52	0 7	0 14	28 21			n.a.
F 25	22 56	27 22	4 46	19 36	3 45	24 33	1 3	18 30	0 1	24 25	0 39	5 59	2 30	24 5	0 24	23 54	0 10	9 36	5 52	0 3	0 13	28 20			n.a.
S 26	22 49	28 44	4 59	19 54	3 32	24 28	1 4	18 41	0 0	24 25	0 39	5 57	2 30	24 5	0 24	23 54	0 10	9 36	5 51	0s 2	0 12	28 19			n.a.
S 27	22 41	28 45	4 59	20 12	3 17	24 23	1 6	18 51	0n 0	24 24	0 39	5 55	2 30	24 4	0 24	23 54	0 10	9 36	5 51	0 7	0 10	28 18			n.a.
M28	22 33	27 26	4 46	20 31	3 1	24 17	1 7	19 1	0 1	24 24	0 39	5 53	2 29	24 4	0 24	23 54	0 10	9 36	5 51	0 13	0 9	28 18			n.a.
T 29	22 25	24 53	4 21	20 50	2 45	24 10	1 9	19 11	0 2	24 23	0 39	5 51	2 29	24 4	0 24	23 54	0 10	9 37	5 51	0 17	0 8	28 17			n.a.
W30	22 16	21 15	3 44	21 9	2 27	24 2	1 10	19 21	0 3	24 23	0 39	5 49	2 29	24 4	0 24	23 54	0 10	9 37	5 50	0 22	0 7	28 16			n.a.
T 31	22n 7	16s45	2s56	21n28	2s 9	23n54	1n11	19n31	0n 4	24n22	0n39	5n47	2n29	24s 4	0s24	23n54	0n10	9s37	5n50	0s25	0n 5	28s15			n.a.

Julian Day Number = 1101044.5, Delta T = 11h02m46s
Ecliptic obliquity = 23°53'41, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'07, Lahiri = -27°23'07 Julian Calendar 1 July 1699 BCE == Greg. Calendar 17 June 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

AUGUST 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 38 29	22♋37'56	5♓30	8°D21	18♋49	25♉56	7♋ 2	21♍23	22°R21	6♋32	10°R10	28°R53	0♈10	13♎ 1	n.a.	F 1
S 2	19 42 25	23°36'28	17°44	8♋21	20° 4	26°33	7°15	21°28	22♐19	6°34	10♏10	28♓51	0° 7	13° 8	n.a.	S 2
S 3	19 46 22	24°35'02	0♈11	8°31	21°19	27° 9	7°28	21°32	22°17	6°36	10°10	28°D50	0° 3	13°15	n.a.	S 3
M 4	19 50 18	25°33'39	12°54	8°50	22°34	27°45	7°41	21°37	22°15	6°38	10°10	28°51	0° 0	13°21	n.a.	M 4
T 5	19 54 15	26°32'18	25°57	9°18	23°49	28°21	7°54	21°42	22°14	6°40	10°10	28°R51	29♓57	13°28	n.a.	T 5
W 6	19 58 11	27°31'00	9♉25	9°55	25° 3	28°57	8° 6	21°47	22°12	6°42	10°10	28°51	29°54	13°35	n.a.	W 6
T 7	20 2 8	28°29'44	23°19	10°40	26°18	29°33	8°19	21°52	22°10	6°44	10°D10	28°48	29°51	13°41	n.a.	T 7
F 8	20 6 4	29°28'31	7♊40	11°34	27°33	0♊ 9	8°32	21°57	22° 8	6°46	10°10	28°43	29°47	13°48	n.a.	F 8
S 9	20 10 1	0♌27'20	22°25	12°35	28°48	0°45	8°44	22° 2	22° 6	6°49	10°10	28°36	29°44	13°55	n.a.	S 9
S 10	20 13 57	1°26'11	7♋30	13°43	0♌ 3	1°20	8°57	22° 8	22° 5	6°51	10°10	28°28	29°41	14° 2	n.a.	S 10
M11	20 17 54	2°25'05	22°44	14°58	1°18	1°56	9°10	22°13	22° 3	6°53	10°10	28°19	29°38	14° 8	n.a.	M11
T 12	20 21 51	3°24'01	7♌57	16°18	2°33	2°31	9°22	22°18	22° 2	6°55	10°10	28°11	29°35	14°15	n.a.	T 12
W13	20 25 47	4°22'59	22°58	17°43	3°48	3° 7	9°35	22°24	22° 0	6°57	10°10	28° 5	29°32	14°22	n.a.	W13
T 14	20 29 44	5°21'58	7♍40	19°13	5° 3	3°42	9°47	22°29	21°58	6°59	10°11	28° 1	29°28	14°28	n.a.	T 14
F 15	20 33 40	6°21'00	21°55	20°47	6°18	4°17	10° 0	22°35	21°57	7° 1	10°11	28°D 0	29°25	14°35	n.a.	F 15
S 16	20 37 37	7°20'04	5♎42	22°23	7°33	4°52	10°12	22°40	21°55	7° 3	10°11	28° 0	29°22	14°42	n.a.	S 16
S 17	20 41 33	8°19'10	19° 1	24° 3	8°49	5°27	10°24	22°46	21°54	7° 5	10°11	28° 1	29°19	14°49	n.a.	S 17
M18	20 45 30	9°18'18	1♏55	25°45	10° 4	6° 2	10°37	22°51	21°53	7° 7	10°12	28° 2	29°16	14°55	n.a.	M18
T 19	20 49 26	10°17'28	14°27	27°28	11°19	6°36	10°49	22°57	21°51	7° 9	10°12	28°R 2	29°13	15° 2	n.a.	T 19
W20	20 53 23	11°16'39	26°44	29°13	12°34	7°11	11° 1	23° 3	21°50	7°11	10°13	28° 0	29° 9	15° 9	n.a.	W20
T 21	20 57 19	12°15'53	8♐48	0♌59	13°49	7°46	11°13	23° 9	21°49	7°12	10°13	27°57	29° 6	15°16	n.a.	T 21
F 22	21 1 16	13°15'09	20°45	2°46	15° 4	8°20	11°25	23°15	21°47	7°14	10°13	27°52	29° 3	15°22	n.a.	F 22
S 23	21 5 13	14°14'26	2♑38	4°33	16°19	8°54	11°37	23°21	21°46	7°16	10°14	27°45	29° 0	15°29	n.a.	S 23
S 24	21 9 9	15°13'46	14°30	6°20	17°35	9°28	11°49	23°27	21°45	7°18	10°14	27°37	28°57	15°36	n.a.	S 24
M25	21 13 6	16°13'08	26°23	8° 8	18°50	10° 2	12° 1	23°33	21°44	7°20	10°15	27°29	28°53	15°42	n.a.	M25
T 26	21 17 2	17°12'32	8♒21	9°55	20° 5	10°36	12°13	23°39	21°43	7°22	10°16	27°21	28°50	15°49	n.a.	T 26
W27	21 20 59	18°11'58	20°23	11°42	21°20	11°10	12°25	23°45	21°42	7°24	10°16	27°15	28°47	15°56	n.a.	W27
T 28	21 24 55	19°11'26	2♓33	13°29	22°35	11°44	12°37	23°51	21°41	7°25	10°17	27°10	28°44	16° 3	n.a.	T 28
F 29	21 28 52	20°10'56	14°50	15°15	23°51	12°18	12°48	23°57	21°40	7°27	10°18	27° 8	28°41	16° 9	n.a.	F 29
S 30	21 32 48	21°10'29	27°17	17° 1	25° 6	12°51	13° 0	24° 3	21°39	7°29	10°18	27°D 7	28°38	16°16	n.a.	S 30
S 31	21 36 45	22♌10'04	9♈55	18♌46	26♌21	13♊24	13♋12	24♍10	21♐39	7♋30	10♏19	27♓ 7	28♓34	16♎23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n57	11s32	2s 1	21n47	1s51	23n44	1n13	19n41	0n 5	24n22	0n40	5n45	2n28	24s 4	0s24	23n54	0n10	9s37	5n50	0s27	0n 4	28s14		n.a.
S 2	21 47	5 50	0 59	22 6	1 32	23 35	1 14	19 50	0 5	24 21	0 40	5 43	2 28	24 4	0 24	23 53	0 10	9 37	5 50	0 28	0 3	28 13		n.a.
S 3	21 37	0n11	0n 7	22 23	1 14	23 24	1 15	20 0	0 6	24 21	0 40	5 41	2 28	24 4	0 24	23 53	0 10	9 38	5 49	0 28	0 1	28 12		n.a.
M 4	21 26	6 20	1 14	22 40	0 56	23 13	1 16	20 9	0 7	24 20	0 40	5 38	2 28	24 4	0 24	23 53	0 10	9 38	5 49	0 28	0 0	28 11		n.a.
T 5	21 15	12 22	2 19	22 55	0 38	23 1	1 17	20 18	0 8	24 19	0 40	5 36	2 28	24 3	0 24	23 53	0 10	9 38	5 49	0 28	0s 1	28 10		n.a.
W 6	21 3	18 2	3 19	23 9	0 22	22 48	1 18	20 27	0 9	24 19	0 40	5 34	2 27	24 3	0 24	23 53	0 10	9 38	5 48	0 28	0 3	28 10		n.a.
T 7	20 51	22 57	4 9	23 22	0 6	22 35	1 19	20 36	0 10	24 18	0 40	5 32	2 27	24 3	0 24	23 53	0 10	9 39	5 48	0 29	0 4	28 9		n.a.
F 8	20 39	26 41	4 45	23 32	0n 9	22 21	1 19	20 44	0 10	24 17	0 40	5 30	2 27	24 3	0 24	23 53	0 10	9 39	5 48	0 31	0 5	28 8		n.a.
S 9	20 26	28 43	5 3	23 41	0 23	22 6	1 20	20 53	0 11	24 17	0 41	5 27	2 27	24 3	0 24	23 53	0 10	9 39	5 48	0 34	0 6	28 7		n.a.
S 10	20 13	28 41	5 1	23 47	0 37	21 50	1 21	21 1	0 12	24 16	0 41	5 25	2 27	24 3	0 24	23 53	0 10	9 39	5 47	0 37	0 8	28 6		n.a.
M11	20 0	26 30	4 38	23 50	0 49	21 34	1 22	21 9	0 13	24 15	0 41	5 23	2 27	24 3	0 24	23 53	0 10	9 40	5 47	0 41	0 9	28 5		n.a.
T 12	19 46	22 24	3 55	23 52	0 59	21 18	1 22	21 17	0 14	24 14	0 41	5 21	2 26	24 3	0 24	23 53	0 10	9 40	5 47	0 44	0 10	28 4		n.a.
W13	19 32	16 53	2 56	23 50	1 9	21 0	1 23	21 25	0 15	24 13	0 41	5 18	2 26	24 3	0 24	23 52	0 10	9 40	5 46	0 46	0 12	28 3		n.a.
T 14	19 17	10 30	1 47	23 46	1 18	20 42	1 23	21 33	0 16	24 13	0 41	5 16	2 26	24 2	0 24	23 52	0 10	9 41	5 46	0 48	0 13	28 2		n.a.
F 15	19 2	3 46	0 33	23 40	1 26	20 24	1 23	21 41	0 17	24 12	0 41	5 14	2 26	24 2	0 24	23 52	0 10	9 41	5 46	0 49	0 14	28 1		n.a.
S 16	18 47	2s56	0s41	23 31	1 32	20 5	1 24	21 48	0 18	24 11	0 42	5 11	2 26	24 2	0 24	23 52	0 10	9 41	5 46	0 49	0 15	28 0		n.a.
S 17	18 32	9 17	1 51	23 19	1 38	19 45	1 24	21 55	0 18	24 10	0 42	5 9	2 26	24 2	0 24	23 52	0 10	9 42	5 45	0 48	0 17	27 59		n.a.
M18	18 16	15 3	2 52	23 5	1 42	19 25	1 24	22 2	0 19	24 9	0 42	5 6	2 25	24 2	0 24	23 52	0 10	9 42	5 45	0 48	0 18	27 58		n.a.
T 19	18 0	20 2	3 44	22 48	1 46	19 4	1 24	22 9	0 20	24 8	0 42	5 4	2 25	24 2	0 24	23 52	0 10	9 43	5 45	0 48	0 19	27 57		n.a.
W20	17 43	24 4	4 24	22 29	1 49	18 42	1 24	22 16	0 21	24 8	0 42	5 1	2 25	24 2	0 24	23 52	0 10	9 43	5 44	0 48	0 21	27 56		n.a.
T 21	17 27	26 59	4 51	22 7	1 51	18 20	1 24	22 23	0 22	24 7	0 42	4 59	2 25	24 2	0 24	23 52	0 10	9 43	5 44	0 50	0 22	27 55		n.a.
F 22	17 9	28 39	5 6	21 44	1 52	17 58	1 24	22 30	0 23	24 6	0 42	4 56	2 25	24 2	0 24	23 52	0 10	9 44	5 44	0 52	0 23	27 54		n.a.
S 23	16 52	28 59	5 7	21 19	1 53	17 35	1 24	22 36	0 24	24 5	0 43	4 54	2 25	24 2	0 24	23 52	0 10	9 44	5 44	0 55	0 24	27 53		n.a.
S 24	16 34	27 58	4 55	20 52	1 53	17 11	1 24	22 42	0 25	24 4	0 43	4 51	2 24	24 2	0 24	23 51	0 10	9 45	5 43	0 58	0 26	27 52		n.a.
M25	16 17	25 41	4 30	20 23	1 52	16 47	1 24	22 49	0 26	24 3	0 43	4 49	2 24	24 1	0 24	23 51	0 10	9 45	5 43	1 1	0 27	27 50		n.a.
T 26	15 58	22 16	3 53	19 52	1 51	16 23	1 23	22 55	0 27	24 2	0 43	4 46	2 24	24 1	0 24	23 51	0 10	9 46	5 43	1 4	0 28	27 49		n.a.
W27	15 40	17 54	3 6	19 21	1 49	15 58	1 23	23 0	0 28	24 1	0 43	4 44	2 24	24 1	0 24	23 51	0 10	9 46	5 42	1 7	0 30	27 48		n.a.
T 28	15 21	12 46	2 10	18 47	1 47	15 32	1 22	23 6	0 29	24 0	0 43	4 41	2 24	24 1	0 24	23 51	0 10	9 46	5 42	1 9	0 31	27 47		n.a.
F 29	15 2	7 6	1 6	18 13	1 44	15 7	1 22	23 12	0 30	23 59	0 43	4 38	2 24	24 1	0 24	23 51	0 10	9 47	5 42	1 10	0 32	27 46		n.a.
S 30	14 43	1 5	0n 1	17 37	1 41	14 40	1 21	23 17	0 31	23 58	0 44	4 36	2 24	24 1	0 24	23 51	0 10	9 47	5 42	1 10	0 33	27 45		n.a.
S 31	14n23	5n 4	1n 9	17n 1	1n37	14n14	1n21	23n22	0n32	23n57	0n44	4n33	2n24	24s 1	0s24	23n51	0n10	9s48	5n41	1s10	0s35	27s44		n.a.

Julian Day Number = 1101075.5, Delta T = 11h02m44s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°30'03, Lahiri = -27°23'02 Julian Calendar 1 Aug. 1699 BCE == Greg. Calendar 18 July 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

SEPTEMBER 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 40 42	23♌ 9'41	22♈47	20♌31	27♌36	13♊58	13♋23	24♍16	21°R38	7♋32	10♏20	27♓ 9	28♓31	16♑29	n.a.	M 1
T 2	21 44 38	24° 9'21	5♉56	22°15	28°52	14°31	13°35	24°22	21♐37	7°34	10°21	27°10	28°28	16°36	n.a.	T 2
W 3	21 48 35	25° 9'03	19°23	23°58	0♍ 7	15° 4	13°46	24°29	21°36	7°35	10°21	27°R12	28°25	16°43	n.a.	W 3
T 4	21 52 31	26° 8'48	3♊10	25°41	1°22	15°37	13°57	24°35	21°36	7°37	10°22	27°11	28°22	16°50	n.a.	T 4
F 5	21 56 28	27° 8'36	17°17	27°23	2°37	16° 9	14° 8	24°42	21°35	7°39	10°23	27°10	28°19	16°56	n.a.	F 5
S 6	22 0 24	28° 8'26	1♋45	29° 5	3°53	16°42	14°20	24°48	21°35	7°40	10°24	27° 7	28°15	17° 3	n.a.	S 6
S 7	22 4 21	29° 8'18	16°28	0♍46	5° 8	17°14	14°31	24°55	21°34	7°42	10°25	27° 4	28°12	17°10	n.a.	S 7
M 8	22 8 17	0♍ 8'12	1♌21	2°26	6°23	17°47	14°42	25° 1	21°34	7°43	10°26	27° 0	28° 9	17°16	n.a.	M 8
T 9	22 12 14	1° 8'09	16°16	4° 5	7°39	18°19	14°53	25° 8	21°33	7°45	10°27	26°56	28° 6	17°23	n.a.	T 9
W10	22 16 10	2° 8'08	1♍ 5	5°44	8°54	18°51	15° 3	25°15	21°33	7°46	10°28	26°53	28° 3	17°30	n.a.	W10
T 11	22 20 7	3° 8'09	15°39	7°23	10° 9	19°23	15°14	25°21	21°33	7°48	10°29	26°52	27°59	17°37	n.a.	T 11
F 12	22 24 4	4° 8'12	29°53	9° 0	11°25	19°55	15°25	25°28	21°32	7°49	10°30	26°D51	27°56	17°43	n.a.	F 12
S 13	22 28 0	5° 8'17	13♎43	10°38	12°40	20°26	15°35	25°35	21°32	7°51	10°31	26°52	27°53	17°50	n.a.	S 13
S 14	22 31 57	6° 8'24	27° 7	12°14	13°55	20°58	15°46	25°41	21°32	7°52	10°33	26°53	27°50	17°57	n.a.	S 14
M15	22 35 53	7° 8'32	10♏ 7	13°50	15°11	21°29	15°56	25°48	21°32	7°53	10°34	26°55	27°47	18° 3	n.a.	M15
T 16	22 39 50	8° 8'42	22°45	15°26	16°26	22° 0	16° 7	25°55	21°D32	7°55	10°35	26°56	27°44	18°10	n.a.	T 16
W17	22 43 46	9° 8'55	5♐ 5	17° 1	17°41	22°31	16°17	26° 2	21°32	7°56	10°36	26°R57	27°40	18°17	n.a.	W17
T 18	22 47 43	10° 9'08	17°11	18°35	18°57	23° 2	16°27	26° 9	21°32	7°57	10°37	26°57	27°37	18°24	n.a.	T 18
F 19	22 51 39	11° 9'24	29° 7	20°10	20°12	23°32	16°37	26°15	21°32	7°58	10°39	26°56	27°34	18°30	n.a.	F 19
S 20	22 55 36	12° 9'41	11♑ 0	21°43	21°27	24° 3	16°47	26°22	21°32	8° 0	10°40	26°54	27°31	18°37	n.a.	S 20
S 21	22 59 32	13°10'00	22°52	23°16	22°43	24°33	16°57	26°29	21°33	8° 1	10°41	26°52	27°28	18°44	n.a.	S 21
M22	23 3 29	14°10'21	4♒48	24°49	23°58	25° 3	17° 6	26°36	21°33	8° 2	10°43	26°50	27°24	18°50	n.a.	M22
T 23	23 7 26	15°10'43	16°50	26°21	25°13	25°33	17°16	26°43	21°33	8° 3	10°44	26°48	27°21	18°57	n.a.	T 23
W24	23 11 22	16°11'07	29° 1	27°53	26°29	26° 3	17°25	26°50	21°34	8° 4	10°46	26°47	27°18	19° 4	n.a.	W24
T 25	23 15 19	17°11'32	11♓22	29°25	27°44	26°32	17°35	26°57	21°34	8° 5	10°47	26°46	27°15	19°11	n.a.	T 25
F 26	23 19 15	18°12'00	23°56	0♎56	28°59	27° 2	17°44	27° 4	21°35	8° 6	10°49	26°D46	27°12	19°17	n.a.	F 26
S 27	23 23 12	19°12'29	6♈42	2°26	0♎14	27°31	17°53	27°11	21°35	8° 7	10°50	26°46	27° 9	19°24	n.a.	S 27
S 28	23 27 8	20°13'00	19°41	3°57	1°30	28° 0	18° 2	27°18	21°36	8° 8	10°52	26°46	27° 5	19°31	n.a.	S 28
M29	23 31 5	21°13'33	2♉54	5°26	2°45	28°28	18°11	27°25	21°36	8° 9	10°53	26°47	27° 2	19°37	n.a.	M29
T 30	23 35 1	22♍14'08	16♉19	6♎56	4♎ 0	28♊57	18♋20	27♍32	21♐37	8♋10	10♏55	26♓47	26♓59	19♑44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14n 3	11n 7	2n16	16n24	1n33	13n47	1n20	23n27	0n33	23n56	0n44	4n30	2n23	24s 1	0s24	23n51	0n10	9s48	5n41	1s 9	0s36	27s43		n.a.
T 2	13 43	16 49	3 16	15 45	1 29	13 19	1 19	23 33	0 34	23 55	0 44	4 28	2 23	24 1	0 24	23 51	0 10	9 49	5 41	1 9	0 37	27 42		n.a.
W 3	13 23	21 52	4 7	15 6	1 24	12 52	1 18	23 37	0 35	23 54	0 44	4 25	2 23	24 1	0 24	23 51	0 10	9 49	5 40	1 8	0 39	27 40		n.a.
T 4	13 2	25 51	4 46	14 26	1 19	12 24	1 17	23 42	0 36	23 53	0 44	4 22	2 23	24 1	0 24	23 51	0 10	9 50	5 40	1 8	0 40	27 39		n.a.
F 5	12 42	28 23	5 8	13 46	1 14	11 55	1 16	23 47	0 37	23 52	0 45	4 20	2 23	24 1	0 24	23 50	0 10	9 51	5 40	1 9	0 41	27 38		n.a.
S 6	12 21	29 5	5 12	13 5	1 9	11 26	1 15	23 51	0 38	23 51	0 45	4 17	2 23	24 1	0 24	23 50	0 10	9 51	5 40	1 10	0 42	27 37		n.a.
S 7	12 0	27 44	4 55	12 24	1 3	10 57	1 14	23 55	0 39	23 50	0 45	4 14	2 23	24 1	0 23	23 50	0 10	9 52	5 39	1 11	0 44	27 36		n.a.
M 8	11 38	24 26	4 19	11 42	0 58	10 28	1 13	24 0	0 41	23 49	0 45	4 11	2 23	24 1	0 23	23 50	0 10	9 52	5 39	1 13	0 45	27 34		n.a.
T 9	11 17	19 30	3 25	11 0	0 52	9 58	1 12	24 4	0 42	23 48	0 45	4 9	2 23	24 1	0 23	23 50	0 10	9 53	5 39	1 14	0 46	27 33		n.a.
W10	10 55	13 25	2 17	10 18	0 46	9 29	1 11	24 8	0 43	23 47	0 46	4 6	2 22	24 1	0 23	23 50	0 10	9 53	5 39	1 16	0 48	27 32		n.a.
T 11	10 33	6 42	1 1	9 35	0 40	8 58	1 9	24 11	0 44	23 46	0 46	4 3	2 22	24 1	0 23	23 50	0 10	9 54	5 38	1 16	0 49	27 31		n.a.
F 12	10 11	0s13	0s17	8 52	0 34	8 28	1 8	24 15	0 45	23 45	0 46	4 0	2 22	24 1	0 23	23 50	0 10	9 55	5 38	1 16	0 50	27 30		n.a.
S 13	9 48	6 55	1 32	8 9	0 27	7 57	1 7	24 19	0 46	23 44	0 46	3 58	2 22	24 1	0 23	23 50	0 10	9 55	5 38	1 16	0 51	27 28		n.a.
S 14	9 26	13 6	2 39	7 25	0 21	7 26	1 5	24 22	0 47	23 43	0 46	3 55	2 22	24 0	0 23	23 50	0 10	9 56	5 37	1 16	0 53	27 27		n.a.
M15	9 3	18 32	3 36	6 42	0 14	6 55	1 4	24 25	0 48	23 42	0 46	3 52	2 22	24 0	0 23	23 50	0 11	9 56	5 37	1 15	0 54	27 26		n.a.
T 16	8 40	23 1	4 21	5 58	0 8	6 24	1 2	24 28	0 50	23 40	0 47	3 49	2 22	24 0	0 23	23 50	0 11	9 57	5 37	1 14	0 55	27 25		n.a.
W17	8 17	26 21	4 53	5 15	0 1	5 53	1 1	24 31	0 51	23 39	0 47	3 46	2 22	24 0	0 23	23 50	0 11	9 58	5 37	1 14	0 57	27 23		n.a.
T 18	7 54	28 25	5 11	4 31	0s 5	5 21	0 59	24 34	0 52	23 38	0 47	3 43	2 22	24 0	0 23	23 50	0 11	9 58	5 36	1 14	0 58	27 22		n.a.
F 19	7 31	29 9	5 15	3 47	0 12	4 50	0 57	24 37	0 53	23 37	0 47	3 41	2 22	24 0	0 23	23 50	0 11	9 59	5 36	1 15	0 59	27 21		n.a.
S 20	7 8	28 31	5 6	3 4	0 18	4 18	0 55	24 40	0 54	23 36	0 47	3 38	2 22	24 0	0 23	23 49	0 11	10 0	5 36	1 15	1 0	27 20		n.a.
S 21	6 44	26 35	4 44	2 20	0 25	3 46	0 54	24 42	0 56	23 35	0 48	3 35	2 22	24 0	0 23	23 49	0 11	10 0	5 36	1 16	1 2	27 18		n.a.
M22	6 21	23 27	4 9	1 37	0 32	3 14	0 52	24 45	0 57	23 34	0 48	3 32	2 22	24 0	0 23	23 49	0 11	10 1	5 35	1 17	1 3	27 17		n.a.
T 23	5 57	19 19	3 23	0 54	0 38	2 42	0 50	24 47	0 58	23 33	0 48	3 29	2 22	24 0	0 23	23 49	0 11	10 2	5 35	1 18	1 4	27 16		n.a.
W24	5 33	14 20	2 28	0 10	0 45	2 9	0 48	24 49	0 59	23 32	0 48	3 26	2 22	24 0	0 23	23 49	0 11	10 2	5 35	1 18	1 6	27 14		n.a.
T 25	5 9	8 44	1 24	0s33	0 51	1 37	0 46	24 52	1 1	23 31	0 48	3 24	2 22	24 0	0 23	23 49	0 11	10 3	5 35	1 19	1 7	27 13		n.a.
F 26	4 45	2 42	0 16	1 15	0 58	1 5	0 44	24 54	1 2	23 30	0 49	3 21	2 21	24 1	0 23	23 49	0 11	10 4	5 34	1 19	1 8	27 12		n.a.
S 27	4 21	3n33	0n55	1 58	1 4	0 32	0 42	24 55	1 3	23 29	0 49	3 18	2 21	24 1	0 23	23 49	0 11	10 4	5 34	1 19	1 9	27 10		n.a.
S 28	3 57	9 45	2 4	2 40	1 10	0 0	0 40	24 57	1 5	23 28	0 49	3 15	2 21	24 1	0 23	23 49	0 11	10 5	5 34	1 18	1 11	27 9		n.a.
M29	3 33	15 38	3 7	3 22	1 17	0s32	0 38	24 59	1 6	23 27	0 49	3 12	2 21	24 1	0 23	23 49	0 11	10 6	5 34	1 18	1 12	27 8		n.a.
T 30	3n 8	20n53	4n 1	4s 4	1s23	1s 5	0n36	25n 1	1n 7	23n26	0n50	3n 9	2n21	24s 1	0s23	23n49	0n11	10s 6	5n33	1s18	1s13	27s 6		n.a.

Julian Day Number = 1101106.5, Delta T = 11h02m42s
Ecliptic obliquity = 23°53'42, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'59, Lahiri = -27°22'58 Julian Calendar 1 Sept. 1699 BCE == Greg. Calendar 18 Aug. 1699 BCE

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

OCTOBER 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 38 58	23♍14'45	29♉57	8♎25	5♎16	29♊25	18♋29	27♍39	21♐38	8♋11	10♏56	26♓48	26♓56	19♂51	n.a.	W 1
T 2	23 42 55	24°15'24	13♊48	9°53	6°31	29°53	18°37	27°46	21°39	8°12	10°58	26°48	26°53	19°58	n.a.	T 2
F 3	23 46 51	25°16'05	27°51	11°21	7°46	0♋21	18°46	27°53	21°39	8°12	11° 0	26°R48	26°50	20° 4	n.a.	F 3
S 4	23 50 48	26°16'48	12♋ 3	12°49	9° 1	0°49	18°54	28° 0	21°40	8°13	11° 1	26°D48	26°46	20°11	n.a.	S 4
S 5	23 54 44	27°17'33	26°24	14°16	10°17	1°17	19° 2	28° 7	21°41	8°14	11° 3	26°48	26°43	20°18	n.a.	S 5
M 6	23 58 41	28°18'19	10♌50	15°42	11°32	1°44	19°11	28°14	21°42	8°15	11° 5	26°48	26°40	20°24	n.a.	M 6
T 7	0 2 37	29°19'08	25°17	17° 8	12°47	2°11	19°19	28°21	21°43	8°15	11° 6	26°48	26°37	20°31	n.a.	T 7
W 8	0 6 34	0♎19'57	9♍39	18°33	14° 2	2°38	19°26	28°28	21°44	8°16	11° 8	26°48	26°34	20°38	n.a.	W 8
T 9	0 10 30	1°20'49	23°52	19°58	15°18	3° 4	19°34	28°35	21°46	8°17	11°10	26°R49	26°30	20°45	n.a.	T 9
F 10	0 14 27	2°21'42	7♎51	21°21	16°33	3°30	19°42	28°42	21°47	8°17	11°12	26°49	26°27	20°51	n.a.	F 10
S 11	0 18 24	3°22'36	21°32	22°43	17°48	3°56	19°49	28°49	21°48	8°18	11°13	26°48	26°24	20°58	n.a.	S 11
S 12	0 22 20	4°23'32	4♏54	24° 5	19° 3	4°22	19°56	28°56	21°49	8°18	11°15	26°47	26°21	21° 5	n.a.	S 12
M13	0 26 17	5°24'28	17°54	25°25	20°19	4°47	20° 3	29° 3	21°51	8°19	11°17	26°46	26°18	21°11	n.a.	M13
T 14	0 30 13	6°25'26	0♐35	26°43	21°34	5°13	20°10	29°10	21°52	8°19	11°19	26°45	26°15	21°18	n.a.	T 14
W15	0 34 10	7°26'26	12°57	28° 0	22°49	5°38	20°17	29°17	21°53	8°19	11°21	26°44	26°11	21°25	n.a.	W15
T 16	0 38 6	8°27'26	25° 6	29°15	24° 4	6° 2	20°24	29°24	21°55	8°20	11°23	26°43	26° 8	21°32	n.a.	T 16
F 17	0 42 3	9°28'27	7♑ 4	0♏28	25°19	6°27	20°31	29°31	21°56	8°20	11°25	26°D42	26° 5	21°38	n.a.	F 17
S 18	0 45 59	10°29'29	18°56	1°38	26°35	6°51	20°37	29°38	21°58	8°20	11°27	26°42	26° 2	21°45	n.a.	S 18
S 19	0 49 56	11°30'31	0♒48	2°46	27°50	7°14	20°43	29°45	22° 0	8°21	11°28	26°43	25°59	21°52	n.a.	S 19
M20	0 53 53	12°31'35	12°44	3°50	29° 5	7°38	20°49	29°52	22° 1	8°21	11°30	26°45	25°56	21°58	n.a.	M20
T 21	0 57 49	13°32'40	24°48	4°50	0♏20	8° 1	20°55	29°59	22° 3	8°21	11°32	26°46	25°52	22° 5	n.a.	T 21
W22	1 1 46	14°33'45	7♓ 5	5°47	1°35	8°24	21° 1	0♎ 6	22° 5	8°21	11°34	26°47	25°49	22°12	n.a.	W22
T 23	1 5 42	15°34'51	19°37	6°38	2°50	8°46	21° 7	0°13	22° 7	8°21	11°36	26°48	25°46	22°19	n.a.	T 23
F 24	1 9 39	16°35'58	2♈26	7°24	4° 5	9° 8	21°12	0°19	22° 8	8°21	11°38	26°R48	25°43	22°25	n.a.	F 24
S 25	1 13 35	17°37'05	15°33	8° 3	5°20	9°30	21°18	0°26	22°10	8°21	11°40	26°47	25°40	22°32	n.a.	S 25
S 26	1 17 32	18°38'14	28°57	8°35	6°35	9°51	21°23	0°33	22°12	8°R21	11°42	26°45	25°36	22°39	n.a.	S 26
M27	1 21 28	19°39'23	12♉37	9° 0	7°51	10°12	21°28	0°40	22°14	8°21	11°44	26°42	25°33	22°45	n.a.	M27
T 28	1 25 25	20°40'34	26°30	9°15	9° 6	10°33	21°33	0°47	22°16	8°21	11°47	26°39	25°30	22°52	n.a.	T 28
W29	1 29 22	21°41'45	10♊32	9°R21	10°21	10°53	21°37	0°53	22°18	8°21	11°49	26°35	25°27	22°59	n.a.	W29
T 30	1 33 18	22°42'58	24°40	9°17	11°36	11°13	21°42	1° 0	22°21	8°21	11°51	26°32	25°24	23° 5	n.a.	T 30
F 31	1 37 15	23♎44'11	8♋51	9♏ 2	12♏51	11♋33	21♋46	1♎ 7	22♐23	8♋21	11♏53	26♓30	25♓21	23♂12	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	2n44	25n 8	4n43	4s45	1s28	1s37	0n33	25n 2	1n 9	23n25	0n50	3n 6	2n21	24s 1	0s23	23n49	0n11	10s 7	5n33	1s18	1s15	27s 5			n.a.
T 2	2 19	28 0	5 9	5 26	1 34	2 10	0 31	25 4	1 10	23 24	0 50	3 4	2 21	24 1	0 23	23 49	0 11	10 8	5 33	1 18	1 16	27 4			n.a.
F 3	1 55	29 10	5 17	6 6	1 40	2 42	0 29	25 5	1 11	23 23	0 50	3 1	2 21	24 1	0 23	23 49	0 11	10 8	5 33	1 18	1 17	27 2			n.a.
S 4	1 30	28 25	5 6	6 46	1 45	3 14	0 27	25 6	1 13	23 22	0 50	2 58	2 21	24 1	0 23	23 49	0 11	10 9	5 33	1 18	1 18	27 1			n.a.
S 5	1 6	25 47	4 36	7 25	1 51	3 46	0 24	25 7	1 14	23 21	0 51	2 55	2 21	24 1	0 23	23 49	0 11	10 10	5 32	1 18	1 20	26 59			n.a.
M 6	0 41	21 30	3 48	8 4	1 56	4 19	0 22	25 8	1 15	23 20	0 51	2 52	2 21	24 1	0 23	23 49	0 11	10 11	5 32	1 18	1 21	26 58			n.a.
T 7	0 17	15 56	2 46	8 42	2 0	4 51	0 20	25 10	1 17	23 19	0 51	2 49	2 21	24 1	0 23	23 49	0 11	10 11	5 32	1 18	1 22	26 57			n.a.
W 8	0s 8	9 32	1 34	9 19	2 5	5 23	0 17	25 10	1 18	23 18	0 51	2 46	2 21	24 1	0 23	23 49	0 11	10 12	5 32	1 18	1 24	26 55			n.a.
T 9	0 33	2 44	0 16	9 56	2 9	5 54	0 15	25 11	1 20	23 17	0 52	2 44	2 21	24 1	0 23	23 49	0 11	10 13	5 32	1 17	1 25	26 54			n.a.
F 10	0 57	4s 6	1s 1	10 32	2 13	6 26	0 12	25 12	1 21	23 16	0 52	2 41	2 21	24 1	0 23	23 49	0 11	10 14	5 31	1 18	1 26	26 52			n.a.
S 11	1 22	10 36	2 13	11 7	2 17	6 58	0 10	25 13	1 23	23 16	0 52	2 38	2 21	24 1	0 23	23 49	0 11	10 14	5 31	1 18	1 27	26 51			n.a.
S 12	1 47	16 28	3 16	11 40	2 20	7 29	0 8	25 14	1 24	23 15	0 52	2 35	2 21	24 1	0 23	23 49	0 11	10 15	5 31	1 18	1 29	26 49			n.a.
M13	2 11	21 26	4 7	12 13	2 23	8 0	0 5	25 14	1 26	23 14	0 53	2 32	2 21	24 1	0 23	23 49	0 11	10 16	5 31	1 18	1 30	26 48			n.a.
T 14	2 36	25 17	4 44	12 45	2 25	8 31	0 3	25 15	1 27	23 13	0 53	2 29	2 21	24 1	0 23	23 49	0 11	10 17	5 30	1 19	1 31	26 46			n.a.
W15	3 0	27 52	5 7	13 15	2 27	9 2	0 0	25 15	1 29	23 12	0 53	2 27	2 21	24 1	0 23	23 49	0 11	10 17	5 30	1 19	1 33	26 45			n.a.
T 16	3 25	29 4	5 16	13 43	2 29	9 33	0s 2	25 16	1 31	23 11	0 53	2 24	2 21	24 2	0 23	23 49	0 11	10 18	5 30	1 20	1 34	26 43			n.a.
F 17	3 49	28 53	5 11	14 11	2 29	10 3	0 5	25 16	1 32	23 11	0 54	2 21	2 21	24 2	0 23	23 49	0 11	10 19	5 30	1 20	1 35	26 42			n.a.
S 18	4 14	27 22	4 53	14 36	2 30	10 33	0 7	25 17	1 34	23 10	0 54	2 18	2 21	24 2	0 23	23 49	0 11	10 20	5 30	1 20	1 36	26 40			n.a.
S 19	4 38	24 37	4 22	14 59	2 29	11 3	0 10	25 17	1 35	23 9	0 54	2 15	2 21	24 2	0 23	23 49	0 11	10 21	5 30	1 20	1 38	26 39			n.a.
M20	5 2	20 49	3 40	15 21	2 28	11 33	0 12	25 17	1 37	23 8	0 54	2 13	2 21	24 2	0 23	23 49	0 11	10 21	5 29	1 19	1 39	26 37			n.a.
T 21	5 27	16 7	2 48	15 40	2 26	12 2	0 15	25 17	1 39	23 8	0 55	2 10	2 22	24 2	0 23	23 49	0 11	10 22	5 29	1 19	1 40	26 36			n.a.
W22	5 51	10 43	1 47	15 56	2 23	12 31	0 17	25 18	1 40	23 7	0 55	2 7	2 22	24 2	0 23	23 49	0 11	10 23	5 29	1 18	1 42	26 34			n.a.
T 23	6 15	4 48	0 40	16 10	2 19	13 0	0 20	25 18	1 42	23 7	0 55	2 4	2 22	24 2	0 23	23 49	0 11	10 24	5 29	1 18	1 43	26 33			n.a.
F 24	6 39	1n27	0n31	16 20	2 14	13 28	0 22	25 18	1 44	23 6	0 55	2 2	2 22	24 2	0 23	23 49	0 11	10 24	5 29	1 18	1 44	26 31			n.a.
S 25	7 3	7 47	1 41	16 28	2 7	13 56	0 25	25 18	1 46	23 5	0 56	1 59	2 22	24 2	0 23	23 49	0 11	10 25	5 28	1 18	1 45	26 30			n.a.
S 26	7 26	13 55	2 48	16 31	2 0	14 24	0 27	25 18	1 47	23 5	0 56	1 56	2 22	24 3	0 23	23 49	0 11	10 26	5 28	1 19	1 47	26 28			n.a.
M27	7 50	19 30	3 46	16 31	1 51	14 51	0 30	25 19	1 49	23 4	0 56	1 54	2 22	24 3	0 23	23 49	0 11	10 27	5 28	1 20	1 48	26 27			n.a.
T 28	8 13	24 8	4 31	16 26	1 40	15 18	0 32	25 19	1 51	23 4	0 56	1 51	2 22	24 3	0 23	23 49	0 11	10 28	5 28	1 22	1 49	26 25			n.a.
W29	8 37	27 25	5 1	16 17	1 28	15 45	0 35	25 19	1 53	23 3	0 57	1 48	2 22	24 3	0 23	23 49	0 11	10 28	5 28	1 23	1 51	26 24			n.a.
T 30	9 0	29 0	5 13	16 3	1 15	16 11	0 37	25 19	1 55	23 3	0 57	1 46	2 22	24 3	0 23	23 49	0 11	10 29	5 28	1 24	1 52	26 22			n.a.
F 31	9s23	28n41	5n 6	15s43	1s 0	16s37	0s39	25n19	1n57	23n 2	0n57	1n43	2n22	24s 3	0s23	23n49	0n11	10s30	5n28	1s25	1s53	26s20			n.a.

Julian Day Number = 1101136.5, Delta T = 11h02m40s
Ecliptic obliquity = 23°53'42, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'55, Lahiri = -27°22'54 Julian Calendar 1 Oct. 1699 BCE == Greg. Calendar 17 Sept. 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

NOVEMBER 1699 BCE (-1698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 41 11	24♎45'26	23♋ 2	8°R35	14♏ 6	11♋52	21♋50	1♎13	22♐25	8°R21	11♏55	26°D29	25♓17	23♉19	n.a.	S 1
S 2	1 45 8	25°46'41	7♌11	7♏56	15°21	12°11	21°54	1°20	22°27	8♋21	11°57	26♓29	25°14	23°26	n.a.	S 2
M 3	1 49 4	26°47'57	21°16	7° 7	16°36	12°29	21°58	1°27	22°29	8°20	11°59	26°31	25°11	23°32	n.a.	M 3
T 4	1 53 1	27°49'14	5♍15	6° 7	17°51	12°47	22° 2	1°33	22°32	8°20	12° 1	26°32	25° 8	23°39	n.a.	T 4
W 5	1 56 58	28°50'32	19° 8	4°58	19° 6	13° 4	22° 5	1°40	22°34	8°20	12° 3	26°33	25° 5	23°46	n.a.	W 5
T 6	2 0 54	29°51'50	2♎53	3°42	20°20	13°21	22° 8	1°46	22°36	8°19	12° 6	26°R33	25° 1	23°52	n.a.	T 6
F 7	2 4 51	0♏53'09	16°27	2°21	21°35	13°38	22°11	1°53	22°39	8°19	12° 8	26°32	24°58	23°59	n.a.	F 7
S 8	2 8 47	1°54'28	29°48	0°59	22°50	13°54	22°14	1°59	22°41	8°18	12°10	26°28	24°55	24° 6	n.a.	S 8
S 9	2 12 44	2°55'48	12♏55	29♎37	24° 5	14°10	22°17	2° 5	22°44	8°18	12°12	26°23	24°52	24°13	n.a.	S 9
M10	2 16 40	3°57'08	25°47	28°19	25°20	14°25	22°19	2°12	22°46	8°18	12°14	26°16	24°49	24°19	n.a.	M10
T 11	2 20 37	4°58'28	8♐23	27° 7	26°35	14°39	22°22	2°18	22°49	8°17	12°16	26° 9	24°46	24°26	n.a.	T 11
W12	2 24 33	5°59'48	20°45	26° 2	27°50	14°53	22°24	2°24	22°52	8°16	12°18	26° 2	24°42	24°33	n.a.	W12
T 13	2 28 30	7° 1'08	2♑53	25° 7	29° 5	15° 7	22°26	2°31	22°54	8°16	12°21	25°55	24°39	24°39	n.a.	T 13
F 14	2 32 27	8° 2'28	14°51	24°22	0♐20	15°20	22°28	2°37	22°57	8°15	12°23	25°51	24°36	24°46	n.a.	F 14
S 15	2 36 23	9° 3'48	26°43	23°48	1°34	15°33	22°29	2°43	23° 0	8°15	12°25	25°48	24°33	24°53	n.a.	S 15
S 16	2 40 20	10° 5'08	8♒33	23°24	2°49	15°44	22°30	2°49	23° 2	8°14	12°27	25°D47	24°30	24°59	n.a.	S 16
M17	2 44 16	11° 6'27	20°27	23°11	4° 4	15°56	22°32	2°55	23° 5	8°13	12°29	25°47	24°27	25° 6	n.a.	M17
T 18	2 48 13	12° 7'46	2♓30	23°D 7	5°19	16° 7	22°33	3° 1	23° 8	8°12	12°32	25°49	24°23	25°13	n.a.	T 18
W19	2 52 9	13° 9'05	14°47	23°13	6°33	16°17	22°33	3° 7	23°11	8°12	12°34	25°50	24°20	25°20	n.a.	W19
T 20	2 56 6	14°10'23	27°22	23°27	7°48	16°26	22°34	3°13	23°14	8°11	12°36	25°R50	24°17	25°26	n.a.	T 20
F 21	3 0 3	15°11'41	10♈19	23°49	9° 3	16°36	22°34	3°19	23°16	8°10	12°38	25°49	24°14	25°33	n.a.	F 21
S 22	3 3 59	16°12'59	23°39	24°18	10°17	16°44	22°35	3°24	23°19	8° 9	12°40	25°46	24°11	25°40	n.a.	S 22
S 23	3 7 56	17°14'16	7♉24	24°53	11°32	16°52	22°R35	3°30	23°22	8° 8	12°42	25°40	24° 7	25°46	n.a.	S 23
M24	3 11 52	18°15'33	21°30	25°34	12°47	16°59	22°34	3°36	23°25	8° 7	12°45	25°33	24° 4	25°53	n.a.	M24
T 25	3 15 49	19°16'49	5♊52	26°20	14° 1	17° 5	22°34	3°41	23°28	8° 6	12°47	25°24	24° 1	26° 0	n.a.	T 25
W26	3 19 45	20°18'06	20°25	27°10	15°16	17°11	22°34	3°47	23°31	8° 5	12°49	25°14	23°58	26° 7	n.a.	W26
T 27	3 23 42	21°19'22	5♋ 1	28° 5	16°30	17°16	22°33	3°53	23°34	8° 4	12°51	25° 6	23°55	26°13	n.a.	T 27
F 28	3 27 39	22°20'38	19°33	29° 3	17°45	17°21	22°32	3°58	23°37	8° 3	12°53	25° 0	23°52	26°20	n.a.	F 28
S 29	3 31 35	23°21'54	3♌57	0♏ 5	18°59	17°25	22°31	4° 3	23°41	8° 2	12°56	24°56	23°48	26°27	n.a.	S 29
S 30	3 35 32	24♏23'09	18♌ 8	1♏ 9	20♐14	17♋28	22♋29	4♎ 9	23♐44	8♋ 1	12♏58	24♓54	23♓45	26♉33	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s46	26n29	4n41	15s19	0s44	17s 2	0s42	25n19	1n59	23n 2	0n58	1n40	2n22	24s 3	0s23	23n49	0n11	10s31	5n27	1s25	1s54	26s19		n.a.
S 2	10 9	22 39	3 58	14 49	0 26	17 27	0 44	25 19	2 0	23 2	0 58	1 38	2 22	24 3	0 23	23 49	0 11	10 31	5 27	1 25	1 56	26 17		n.a.
M 3	10 31	17 32	3 1	14 15	0 7	17 51	0 46	25 20	2 2	23 1	0 58	1 35	2 22	24 3	0 23	23 49	0 11	10 32	5 27	1 25	1 57	26 16		n.a.
T 4	10 54	11 31	1 54	13 36	0n13	18 15	0 49	25 20	2 4	23 1	0 58	1 33	2 22	24 4	0 23	23 49	0 11	10 33	5 27	1 24	1 58	26 14		n.a.
W 5	11 16	5 0	0 40	12 54	0 34	18 39	0 51	25 20	2 6	23 1	0 59	1 30	2 23	24 4	0 23	23 49	0 11	10 34	5 27	1 24	2 0	26 12		n.a.
T 6	11 38	1s41	0s34	12 8	0 54	19 2	0 53	25 20	2 8	23 0	0 59	1 27	2 23	24 4	0 23	23 49	0 12	10 35	5 27	1 24	2 1	26 11		n.a.
F 7	12 0	8 13	1 46	11 22	1 14	19 24	0 56	25 21	2 10	23 0	0 59	1 25	2 23	24 4	0 23	23 49	0 12	10 35	5 27	1 24	2 2	26 9		n.a.
S 8	12 22	14 16	2 51	10 35	1 33	19 46	0 58	25 21	2 12	23 0	1 0	1 22	2 23	24 4	0 23	23 49	0 12	10 36	5 26	1 26	2 3	26 7		n.a.
S 9	12 43	19 35	3 45	9 49	1 51	20 7	1 0	25 21	2 15	23 0	1 0	1 20	2 23	24 4	0 23	23 49	0 12	10 37	5 26	1 28	2 5	26 6		n.a.
M10	13 4	23 53	4 27	9 6	2 7	20 28	1 2	25 22	2 17	23 0	1 0	1 17	2 23	24 4	0 23	23 49	0 12	10 38	5 26	1 31	2 6	26 4		n.a.
T 11	13 26	26 58	4 55	8 27	2 21	20 48	1 4	25 22	2 19	23 0	1 0	1 15	2 23	24 5	0 23	23 49	0 12	10 38	5 26	1 34	2 7	26 2		n.a.
W12	13 46	28 41	5 8	7 53	2 33	21 8	1 6	25 23	2 21	22 59	1 1	1 13	2 23	24 5	0 23	23 49	0 12	10 39	5 26	1 36	2 8	26 1		n.a.
T 13	14 7	28 59	5 7	7 24	2 42	21 27	1 8	25 23	2 23	22 59	1 1	1 10	2 23	24 5	0 23	23 50	0 12	10 40	5 26	1 39	2 10	25 59		n.a.
F 14	14 27	27 54	4 53	7 0	2 49	21 45	1 10	25 24	2 25	22 59	1 1	1 8	2 23	24 5	0 23	23 50	0 12	10 41	5 26	1 41	2 11	25 57		n.a.
S 15	14 47	25 33	4 26	6 43	2 55	22 3	1 12	25 25	2 28	22 59	1 2	1 5	2 24	24 5	0 23	23 50	0 12	10 42	5 26	1 42	2 12	25 56		n.a.
S 16	15 7	22 7	3 48	6 31	2 58	22 20	1 14	25 26	2 30	22 59	1 2	1 3	2 24	24 5	0 23	23 50	0 12	10 42	5 25	1 43	2 14	25 54		n.a.
M17	15 27	17 46	2 59	6 24	2 59	22 36	1 16	25 26	2 32	23 0	1 2	1 1	2 24	24 5	0 23	23 50	0 12	10 43	5 25	1 42	2 15	25 52		n.a.
T 18	15 46	12 41	2 3	6 23	2 59	22 52	1 18	25 27	2 34	23 0	1 2	0 58	2 24	24 5	0 23	23 50	0 12	10 44	5 25	1 42	2 16	25 50		n.a.
W19	16 5	7 1	0 59	6 26	2 58	23 7	1 19	25 28	2 37	23 0	1 3	0 56	2 24	24 6	0 23	23 50	0 12	10 45	5 25	1 41	2 17	25 49		n.a.
T 20	16 24	0 57	0n 8	6 34	2 55	23 21	1 21	25 29	2 39	23 0	1 3	0 54	2 24	24 6	0 23	23 50	0 12	10 45	5 25	1 41	2 19	25 47		n.a.
F 21	16 42	5n20	1 17	6 45	2 52	23 35	1 23	25 31	2 41	23 0	1 3	0 52	2 24	24 6	0 23	23 50	0 12	10 46	5 25	1 41	2 20	25 45		n.a.
S 22	17 0	11 34	2 24	7 0	2 47	23 48	1 24	25 32	2 44	23 1	1 4	0 49	2 25	24 6	0 23	23 50	0 12	10 47	5 25	1 43	2 21	25 43		n.a.
S 23	17 18	17 27	3 24	7 18	2 42	24 1	1 26	25 33	2 46	23 1	1 4	0 47	2 25	24 6	0 23	23 50	0 12	10 48	5 25	1 45	2 23	25 42		n.a.
M24	17 36	22 33	4 13	7 39	2 36	24 12	1 27	25 35	2 49	23 1	1 4	0 45	2 25	24 6	0 23	23 50	0 12	10 48	5 25	1 48	2 24	25 40		n.a.
T 25	17 53	26 25	4 48	8 2	2 30	24 23	1 29	25 36	2 51	23 1	1 4	0 43	2 25	24 7	0 23	23 50	0 12	10 49	5 25	1 52	2 25	25 38		n.a.
W26	18 10	28 35	5 4	8 26	2 23	24 33	1 30	25 38	2 54	23 2	1 5	0 41	2 25	24 7	0 23	23 50	0 12	10 50	5 25	1 56	2 26	25 36		n.a.
T 27	18 26	28 48	5 0	8 53	2 16	24 43	1 31	25 40	2 56	23 2	1 5	0 39	2 25	24 7	0 23	23 50	0 12	10 50	5 24	1 59	2 28	25 35		n.a.
F 28	18 42	27 1	4 38	9 21	2 9	24 51	1 33	25 42	2 59	23 3	1 5	0 37	2 25	24 7	0 23	23 51	0 12	10 51	5 24	2 1	2 29	25 33		n.a.
S 29	18 58	23 28	3 58	9 50	2 1	24 59	1 34	25 44	3 1	23 3	1 6	0 35	2 26	24 7	0 23	23 51	0 12	10 52	5 24	2 3	2 30	25 31		n.a.
S 30	19s14	18n35	3n 3	10s20	1n53	25s 6	1s35	25n46	3n 4	23n 4	1n 6	0n33	2n26	24s 7	0s23	23n51	0n12	10s53	5n24	2s 4	2s32	25s29		n.a.

Julian Day Number = 1101167.5, Delta T = 11h02m38s
Ecliptic obliquity = 23°53'42, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'50, Lahiri = -27°22'50 Julian Calendar 1 Nov. 1699 BCE == Greg. Calendar 18 Oct. 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1699 BCE
geocentric

DECEMBER 1699 BCE (-1698) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 39 28	25♏24'24	2♍ 6	2♏16	21♐28	17♋30	22°R28	4♎14	23♐47	8°R 0	13♏ 0	24°D54	23♓42	26♑40	n.a.	M 1
T 2	3 43 25	26°25'39	15°51	3°25	22°43	17°32	22♋26	4°19	23°50	7♋59	13° 2	24♓55	23°39	26°47	n.a.	T 2
W 3	3 47 21	27°26'53	29°23	4°36	23°57	17°33	22°24	4°24	23°53	7°58	13° 4	24°R55	23°36	26°53	n.a.	W 3
T 4	3 51 18	28°28'07	12♎43	5°49	25°11	17°R33	22°22	4°29	23°56	7°57	13° 6	24°53	23°33	27° 0	n.a.	T 4
F 5	3 55 14	29°29'21	25°51	7° 4	26°26	17°32	22°20	4°34	24° 0	7°55	13° 8	24°49	23°29	27° 7	n.a.	F 5
S 6	3 59 11	0♐30'33	8♏49	8°21	27°40	17°31	22°17	4°39	24° 3	7°54	13°10	24°42	23°26	27°14	n.a.	S 6
S 7	4 3 8	1°31'46	21°37	9°39	28°54	17°28	22°15	4°44	24° 6	7°53	13°13	24°32	23°23	27°20	n.a.	S 7
M 8	4 7 4	2°32'57	4♐13	10°58	0♑ 9	17°26	22°12	4°49	24° 9	7°52	13°15	24°20	23°20	27°27	n.a.	M 8
T 9	4 11 1	3°34'08	16°38	12°18	1°23	17°22	22° 9	4°54	24°13	7°50	13°17	24° 7	23°17	27°34	n.a.	T 9
W10	4 14 57	4°35'17	28°52	13°40	2°37	17°17	22° 5	4°58	24°16	7°49	13°19	23°54	23°13	27°40	n.a.	W10
T 11	4 18 54	5°36'26	10♑56	15° 2	3°51	17°12	22° 2	5° 3	24°19	7°48	13°21	23°41	23°10	27°47	n.a.	T 11
F 12	4 22 50	6°37'33	22°52	16°26	5° 5	17° 6	21°58	5° 7	24°23	7°46	13°23	23°31	23° 7	27°54	n.a.	F 12
S 13	4 26 47	7°38'39	4♒42	17°50	6°20	16°59	21°55	5°12	24°26	7°45	13°25	23°24	23° 4	28° 0	n.a.	S 13
S 14	4 30 44	8°39'44	16°30	19°16	7°34	16°51	21°51	5°16	24°29	7°43	13°27	23°19	23° 1	28° 7	n.a.	S 14
M15	4 34 40	9°40'47	28°22	20°42	8°48	16°43	21°47	5°20	24°33	7°42	13°29	23°17	22°58	28°14	n.a.	M15
T 16	4 38 37	10°41'49	10♓21	22° 9	10° 2	16°33	21°42	5°25	24°36	7°41	13°31	23°D16	22°54	28°21	n.a.	T 16
W17	4 42 33	11°42'50	22°34	23°37	11°16	16°23	21°38	5°29	24°40	7°39	13°33	23°R16	22°51	28°27	n.a.	W17
T 18	4 46 30	12°43'49	5♈ 6	25° 5	12°29	16°12	21°33	5°33	24°43	7°38	13°35	23°16	22°48	28°34	n.a.	T 18
F 19	4 50 26	13°44'46	18° 2	26°35	13°43	16° 1	21°28	5°37	24°46	7°36	13°37	23°14	22°45	28°41	n.a.	F 19
S 20	4 54 23	14°45'42	1♉24	28° 5	14°57	15°48	21°23	5°41	24°50	7°35	13°39	23° 9	22°42	28°47	n.a.	S 20
S 21	4 58 19	15°46'37	15°16	29°36	16°11	15°35	21°18	5°44	24°53	7°33	13°41	23° 2	22°39	28°54	n.a.	S 21
M22	5 2 16	16°47'30	29°35	1♐ 7	17°25	15°21	21°13	5°48	24°57	7°32	13°43	22°52	22°35	29° 1	n.a.	M22
T 23	5 6 13	17°48'21	14♊17	2°40	18°38	15° 6	21° 8	5°52	25° 0	7°30	13°45	22°40	22°32	29° 7	n.a.	T 23
W24	5 10 9	18°49'11	29°15	4°13	19°52	14°51	21° 2	5°55	25° 4	7°29	13°46	22°28	22°29	29°14	n.a.	W24
T 25	5 14 6	19°50'00	14♋17	5°47	21° 5	14°35	20°56	5°59	25° 7	7°27	13°48	22°17	22°26	29°21	n.a.	T 25
F 26	5 18 2	20°50'48	29°16	7°21	22°19	14°18	20°51	6° 2	25°11	7°25	13°50	22° 8	22°23	29°28	n.a.	F 26
S 27	5 21 59	21°51'34	14♌ 2	8°57	23°32	14° 1	20°45	6° 5	25°14	7°24	13°52	22° 2	22°19	29°34	n.a.	S 27
S 28	5 25 55	22°52'19	28°29	10°33	24°46	13°43	20°38	6° 9	25°18	7°22	13°54	21°59	22°16	29°41	n.a.	S 28
M29	5 29 52	23°53'02	12♍35	12°10	25°59	13°24	20°32	6°12	25°21	7°21	13°56	21°57	22°13	29°48	n.a.	M29
T 30	5 33 49	24°53'44	26°20	13°48	27°12	13° 5	20°26	6°15	25°24	7°19	13°57	21°57	22°10	29°54	n.a.	T 30
W31	5 37 45	25♐54'25	9♎45	15♐26	28♑26	12♋45	20♋19	6♎18	25♐28	7♋17	13♏59	21♓57	22♓ 7	0♒ 1	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	19s29	12n46	1n59	10s51	1n45	25s13	1s36	25n48	3n 6	23n 4	1n 6	0n31	2n26	24s 7	0s23	23n51	0n12	10s53	5n24	2s 4	2s33	25s27			n.a.
T 2	19 43	6 25	0 48	11 22	1 37	25 18	1 37	25 50	3 9	23 5	1 7	0 29	2 26	24 8	0 23	23 51	0 12	10 54	5 24	2 4	2 34	25 26			n.a.
W 3	19 58	0s 7	0s24	11 54	1 29	25 23	1 38	25 53	3 11	23 5	1 7	0 27	2 26	24 8	0 23	23 51	0 12	10 55	5 24	2 4	2 35	25 24			n.a.
T 4	20 12	6 32	1 33	12 27	1 21	25 27	1 39	25 55	3 14	23 6	1 7	0 25	2 26	24 8	0 23	23 51	0 12	10 55	5 24	2 4	2 37	25 22			n.a.
F 5	20 25	12 36	2 37	12 59	1 13	25 30	1 40	25 58	3 16	23 7	1 7	0 23	2 27	24 8	0 23	23 51	0 12	10 56	5 24	2 6	2 38	25 20			n.a.
S 6	20 39	18 2	3 31	13 32	1 5	25 33	1 40	26 1	3 19	23 7	1 8	0 21	2 27	24 8	0 23	23 51	0 12	10 57	5 24	2 9	2 39	25 18			n.a.
S 7	20 52	22 35	4 14	14 5	0 56	25 34	1 41	26 4	3 22	23 8	1 8	0 19	2 27	24 8	0 23	23 51	0 12	10 57	5 24	2 13	2 41	25 16			n.a.
M 8	21 4	26 1	4 43	14 38	0 48	25 35	1 41	26 7	3 24	23 9	1 8	0 18	2 27	24 8	0 23	23 51	0 12	10 58	5 24	2 17	2 42	25 14			n.a.
T 9	21 16	28 9	4 59	15 11	0 40	25 35	1 42	26 10	3 27	23 10	1 9	0 16	2 27	24 9	0 23	23 52	0 12	10 59	5 24	2 23	2 43	25 13			n.a.
W10	21 28	28 53	5 0	15 44	0 32	25 34	1 42	26 13	3 29	23 11	1 9	0 14	2 28	24 9	0 23	23 52	0 12	10 59	5 24	2 28	2 44	25 11			n.a.
T 11	21 39	28 13	4 48	16 16	0 24	25 33	1 43	26 16	3 32	23 11	1 9	0 13	2 28	24 9	0 23	23 52	0 12	11 0	5 24	2 33	2 46	25 9			n.a.
F 12	21 50	26 14	4 23	16 48	0 17	25 31	1 43	26 20	3 35	23 12	1 9	0 11	2 28	24 9	0 23	23 52	0 12	11 1	5 24	2 37	2 47	25 7			n.a.
S 13	22 0	23 7	3 47	17 20	0 9	25 28	1 43	26 23	3 37	23 13	1 10	0 9	2 28	24 9	0 23	23 52	0 12	11 1	5 24	2 40	2 48	25 5			n.a.
S 14	22 10	19 4	3 2	17 51	0 1	25 24	1 43	26 27	3 40	23 14	1 10	0 8	2 28	24 9	0 23	23 52	0 12	11 2	5 24	2 42	2 49	25 3			n.a.
M15	22 19	14 16	2 8	18 22	0s 6	25 19	1 43	26 30	3 42	23 15	1 10	0 6	2 29	24 9	0 23	23 52	0 12	11 3	5 24	2 43	2 51	25 1			n.a.
T 16	22 28	8 52	1 8	18 52	0 13	25 14	1 43	26 34	3 45	23 16	1 11	0 5	2 29	24 10	0 23	23 52	0 12	11 3	5 24	2 43	2 52	24 59			n.a.
W17	22 37	3 4	0 4	19 22	0 20	25 7	1 43	26 38	3 48	23 17	1 11	0 3	2 29	24 10	0 23	23 52	0 12	11 4	5 24	2 43	2 53	24 57			n.a.
T 18	22 45	3n 1	1n 2	19 51	0 27	25 0	1 43	26 42	3 50	23 18	1 11	0 2	2 29	24 10	0 23	23 52	0 12	11 4	5 24	2 43	2 55	24 55			n.a.
F 19	22 53	9 9	2 7	20 19	0 34	24 53	1 43	26 46	3 53	23 19	1 11	0 0	2 29	24 10	0 23	23 53	0 12	11 5	5 24	2 44	2 56	24 54			n.a.
S 20	23 0	15 6	3 7	20 46	0 41	24 44	1 43	26 50	3 55	23 20	1 12	0s 1	2 30	24 10	0 23	23 53	0 12	11 6	5 24	2 46	2 57	24 52			n.a.
S 21	23 7	20 30	3 58	21 13	0 47	24 35	1 42	26 54	3 57	23 21	1 12	0 2	2 30	24 10	0 23	23 53	0 12	11 6	5 24	2 49	2 58	24 50			n.a.
M22	23 13	24 56	4 36	21 39	0 53	24 25	1 42	26 58	4 0	23 22	1 12	0 4	2 30	24 10	0 23	23 53	0 12	11 7	5 23	2 53	3 0	24 48			n.a.
T 23	23 19	27 52	4 57	22 4	0 59	24 14	1 41	27 2	4 2	23 23	1 12	0 5	2 30	24 11	0 23	23 53	0 12	11 7	5 23	2 58	3 1	24 46			n.a.
W24	23 25	28 51	4 58	22 27	1 5	24 3	1 40	27 6	4 4	23 25	1 13	0 6	2 30	24 11	0 23	23 53	0 12	11 8	5 23	3 3	3 2	24 44			n.a.
T 25	23 30	27 43	4 38	22 50	1 11	23 51	1 40	27 10	4 7	23 26	1 13	0 7	2 31	24 11	0 23	23 53	0 12	11 8	5 23	3 7	3 4	24 42			n.a.
F 26	23 34	24 36	4 0	23 12	1 16	23 38	1 39	27 14	4 9	23 27	1 13	0 8	2 31	24 11	0 23	23 53	0 12	11 9	5 23	3 11	3 5	24 40			n.a.
S 27	23 38	19 53	3 6	23 33	1 21	23 24	1 38	27 18	4 11	23 28	1 13	0 9	2 31	24 11	0 23	23 53	0 12	11 10	5 23	3 13	3 6	24 38			n.a.
S 28	23 42	14 6	2 0	23 52	1 26	23 10	1 37	27 22	4 13	23 29	1 14	0 11	2 31	24 11	0 23	23 54	0 12	11 10	5 24	3 14	3 7	24 36			n.a.
M29	23 45	7 43	0 49	24 11	1 31	22 55	1 36	27 26	4 15	23 30	1 14	0 12	2 32	24 11	0 23	23 54	0 12	11 11	5 24	3 15	3 9	24 34			n.a.
T 30	23 48	1 8	0s23	24 28	1 35	22 40	1 35	27 30	4 17	23 32	1 14	0 13	2 32	24 12	0 23	23 54	0 12	11 11	5 24	3 15	3 10	24 32			n.a.
W31	23s50	5s21	1s32	24s43	1s39	22s24	1s34	27n34	4n19	23n33	1n14	0s14	2n32	24s12	0s23	23n54	0n12	11s12	5n24	3s15	3s11	24s30			n.a.

Julian Day Number = 1101197.5, Delta T = 11h02m37s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'46, Lahiri = -27°22'46 Julian Calendar 1 Dec. 1699 BCE == Greg. Calendar 17 Nov. 1699 BCE

The year -1698 astronomical counting style corresponds to year 1699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

JANUARY 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 41 42	26♐55'05	22♎52	17♐ 5	29♉39	12°R24	20°R13	6♎20	25♐31	7°R16	14♏ 1	21°R55	22♓ 4	0♒ 8	n.a.	T 1
F 2	5 45 38	27°55'43	5♏44	18°46	0♒52	12♋ 3	20♋ 6	6°23	25°35	7♋14	14° 2	21♓50	22° 0	0°14	n.a.	F 2
S 3	5 49 35	28°56'20	18°24	20°27	2° 5	11°42	19°59	6°26	25°38	7°12	14° 4	21°43	21°57	0°21	n.a.	S 3
S 4	5 53 31	29°56'55	0♑53	22° 9	3°18	11°20	19°52	6°28	25°42	7°11	14° 6	21°32	21°54	0°28	n.a.	S 4
M 5	5 57 28	0♉57'28	13°13	23°52	4°31	10°58	19°45	6°31	25°45	7° 9	14° 7	21°19	21°51	0°35	n.a.	M 5
T 6	6 1 24	1°58'00	25°24	25°35	5°44	10°35	19°38	6°33	25°49	7° 7	14° 9	21° 5	21°48	0°41	n.a.	T 6
W 7	6 5 21	2°58'31	7♉28	27°20	6°57	10°12	19°31	6°36	25°52	7° 6	14°11	20°51	21°45	0°48	n.a.	W 7
T 8	6 9 18	3°58'59	19°26	29° 6	8°10	9°49	19°24	6°38	25°56	7° 4	14°12	20°37	21°41	0°55	n.a.	T 8
F 9	6 13 14	4°59'25	1♒18	0♉52	9°22	9°26	19°16	6°40	25°59	7° 2	14°14	20°26	21°38	1° 1	n.a.	F 9
S 10	6 17 11	5°59'50	13° 7	2°40	10°35	9° 2	19° 9	6°42	26° 3	7° 1	14°15	20°17	21°35	1° 8	n.a.	S 10
S 11	6 21 7	7° 0'12	24°55	4°28	11°48	8°39	19° 1	6°44	26° 6	6°59	14°17	20°12	21°32	1°15	n.a.	S 11
M12	6 25 4	8° 0'32	6♓46	6°17	13° 0	8°15	18°54	6°45	26° 9	6°57	14°18	20° 9	21°29	1°21	n.a.	M12
T 13	6 29 0	9° 0'50	18°44	8° 8	14°13	7°51	18°46	6°47	26°13	6°56	14°20	20°D 8	21°25	1°28	n.a.	T 13
W14	6 32 57	10° 1'06	0♈54	9°59	15°25	7°27	18°39	6°49	26°16	6°54	14°21	20° 8	21°22	1°35	n.a.	W14
T 15	6 36 53	11° 1'19	13°22	11°51	16°37	7° 4	18°31	6°50	26°20	6°52	14°23	20°R 8	21°19	1°41	n.a.	T 15
F 16	6 40 50	12° 1'31	26°12	13°44	17°49	6°40	18°23	6°52	26°23	6°51	14°24	20° 7	21°16	1°48	n.a.	F 16
S 17	6 44 47	13° 1'40	9♉29	15°37	19° 1	6°16	18°15	6°53	26°26	6°49	14°25	20° 4	21°13	1°55	n.a.	S 17
S 18	6 48 43	14° 1'46	23°16	17°32	20°13	5°53	18° 8	6°54	26°30	6°47	14°27	19°59	21°10	2° 2	n.a.	S 18
M19	6 52 40	15° 1'51	7♊33	19°27	21°25	5°30	18° 0	6°55	26°33	6°46	14°28	19°51	21° 6	2° 8	n.a.	M19
T 20	6 56 36	16° 1'53	22°17	21°22	22°37	5° 7	17°52	6°56	26°36	6°44	14°29	19°42	21° 3	2°15	n.a.	T 20
W21	7 0 33	17° 1'54	7♋22	23°18	23°49	4°45	17°44	6°57	26°40	6°42	14°30	19°32	21° 0	2°22	n.a.	W21
T 22	7 4 29	18° 1'52	22°38	25°14	25° 1	4°23	17°36	6°58	26°43	6°41	14°32	19°23	20°57	2°28	n.a.	T 22
F 23	7 8 26	19° 1'48	7♌54	27°10	26°12	4° 1	17°28	6°59	26°46	6°39	14°33	19°16	20°54	2°35	n.a.	F 23
S 24	7 12 22	20° 1'42	22°59	29° 6	27°24	3°40	17°21	6°59	26°50	6°38	14°34	19°10	20°51	2°42	n.a.	S 24
S 25	7 16 19	21° 1'33	7♍45	1♒ 1	28°35	3°19	17°13	7° 0	26°53	6°36	14°35	19° 8	20°47	2°48	n.a.	S 25
M26	7 20 16	22° 1'23	22° 7	2°56	29°46	2°59	17° 5	7° 0	26°56	6°34	14°36	19°D 7	20°44	2°55	n.a.	M26
T 27	7 24 12	23° 1'11	6♎ 3	4°49	0♓57	2°39	16°57	7° 1	26°59	6°33	14°37	19° 8	20°41	3° 2	n.a.	T 27
W28	7 28 9	24° 0'58	19°34	6°41	2° 8	2°20	16°49	7° 1	27° 2	6°31	14°38	19°R 9	20°38	3° 8	n.a.	W28
T 29	7 32 5	25° 0'42	2♏41	8°31	3°19	2° 1	16°42	7° 1	27° 6	6°30	14°39	19° 9	20°35	3°15	n.a.	T 29
F 30	7 36 2	26° 0'25	15°29	10°19	4°30	1°43	16°34	7°R 1	27° 9	6°28	14°40	19° 7	20°31	3°22	n.a.	F 30
S 31	7 39 58	27♉ 0'05	28♏ 0	12♒ 4	5♓41	1♋25	16♋26	7♎ 1	27♐12	6♋26	14♏41	19♓ 2	20♓28	3♒28	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23 s51	11 s27	2 s35	24 s57	1 s42	22 s 7	1 s32	27n38	4n21	23n34	1n14	0 s14	2n32	24 s12	0 s23	23n54	0n12	11 s12	5n24	3 s16	3 s12	24 s28			n.a.
F 2	23 53	16 58	3 29	25 10	1 46	21 49	1 31	27 41	4 22	23 35	1 15	0 15	2 32	24 12	0 23	23 54	0 13	11 13	5 24	3 18	3 14	24 26			n.a.
S 3	23 53	21 39	4 11	25 21	1 49	21 31	1 29	27 45	4 24	23 37	1 15	0 16	2 33	24 12	0 23	23 54	0 13	11 13	5 24	3 21	3 15	24 24			n.a.
S 4	23 54	25 18	4 41	25 31	1 52	21 13	1 28	27 48	4 25	23 38	1 15	0 17	2 33	24 12	0 23	23 54	0 13	11 14	5 24	3 25	3 16	24 22			n.a.
M 5	23 53	27 43	4 57	25 39	1 54	20 53	1 26	27 52	4 27	23 39	1 15	0 18	2 33	24 12	0 23	23 54	0 13	11 14	5 24	3 30	3 18	24 20			n.a.
T 6	23 53	28 47	4 59	25 45	1 56	20 34	1 25	27 55	4 28	23 40	1 15	0 19	2 33	24 12	0 23	23 54	0 13	11 14	5 24	3 36	3 19	24 18			n.a.
W 7	23 52	28 28	4 47	25 49	1 57	20 13	1 23	27 58	4 29	23 42	1 16	0 19	2 34	24 13	0 23	23 55	0 13	11 15	5 24	3 42	3 20	24 16			n.a.
T 8	23 50	26 48	4 23	25 52	1 58	19 52	1 21	28 1	4 30	23 43	1 16	0 20	2 34	24 13	0 23	23 55	0 13	11 15	5 24	3 47	3 21	24 13			n.a.
F 9	23 48	23 57	3 48	25 53	1 59	19 31	1 19	28 4	4 32	23 44	1 16	0 21	2 34	24 13	0 23	23 55	0 13	11 16	5 24	3 52	3 23	24 11			n.a.
S 10	23 45	20 7	3 3	25 51	1 59	19 9	1 17	28 7	4 32	23 45	1 16	0 21	2 34	24 13	0 23	23 55	0 13	11 16	5 24	3 55	3 24	24 9			n.a.
S 11	23 42	15 29	2 10	25 48	1 59	18 46	1 15	28 9	4 33	23 47	1 16	0 22	2 35	24 13	0 23	23 55	0 13	11 17	5 24	3 57	3 25	24 7			n.a.
M12	23 39	10 17	1 10	25 43	1 58	18 24	1 13	28 11	4 34	23 48	1 17	0 22	2 35	24 13	0 23	23 55	0 13	11 17	5 24	3 59	3 26	24 5			n.a.
T 13	23 35	4 39	0 7	25 35	1 57	18 0	1 11	28 13	4 35	23 49	1 17	0 23	2 35	24 13	0 23	23 55	0 13	11 17	5 24	3 59	3 28	24 3			n.a.
W14	23 30	1n14	0n57	25 26	1 55	17 36	1 8	28 15	4 35	23 50	1 17	0 23	2 35	24 13	0 23	23 55	0 13	11 18	5 24	3 59	3 29	24 1			n.a.
T 15	23 26	7 13	2 0	25 14	1 53	17 12	1 6	28 17	4 35	23 52	1 17	0 23	2 36	24 13	0 23	23 55	0 13	11 18	5 24	3 59	3 30	23 59			n.a.
F 16	23 20	13 5	2 59	25 0	1 50	16 47	1 3	28 19	4 36	23 53	1 17	0 24	2 36	24 14	0 23	23 56	0 13	11 19	5 24	3 59	3 32	23 57			n.a.
S 17	23 15	18 34	3 51	24 44	1 47	16 22	1 1	28 20	4 36	23 54	1 17	0 24	2 36	24 14	0 23	23 56	0 13	11 19	5 24	4 0	3 33	23 55			n.a.
S 18	23 8	23 18	4 31	24 25	1 43	15 56	0 58	28 21	4 36	23 55	1 17	0 24	2 36	24 14	0 23	23 56	0 13	11 19	5 24	4 2	3 34	23 52			n.a.
M19	23 2	26 51	4 56	24 5	1 38	15 30	0 56	28 22	4 36	23 56	1 18	0 24	2 37	24 14	0 23	23 56	0 13	11 20	5 24	4 5	3 35	23 50			n.a.
T 20	22 55	28 42	5 3	23 42	1 33	15 4	0 53	28 23	4 36	23 58	1 18	0 25	2 37	24 14	0 23	23 56	0 13	11 20	5 24	4 9	3 37	23 48			n.a.
W21	22 47	28 30	4 49	23 16	1 27	14 37	0 50	28 24	4 35	23 59	1 18	0 25	2 37	24 14	0 23	23 56	0 13	11 20	5 24	4 13	3 38	23 46			n.a.
T 22	22 39	26 8	4 14	22 49	1 20	14 10	0 47	28 24	4 35	24 0	1 18	0 25	2 37	24 14	0 23	23 56	0 13	11 20	5 24	4 17	3 39	23 44			n.a.
F 23	22 31	21 53	3 21	22 19	1 13	13 43	0 44	28 24	4 35	24 1	1 18	0 25	2 38	24 14	0 23	23 56	0 13	11 21	5 24	4 20	3 40	23 42			n.a.
S 24	22 22	16 14	2 15	21 48	1 5	13 15	0 41	28 24	4 34	24 2	1 18	0 25	2 38	24 14	0 23	23 56	0 13	11 21	5 24	4 22	3 42	23 40			n.a.
S 25	22 13	9 45	1 0	21 14	0 57	12 47	0 38	28 24	4 33	24 3	1 18	0 25	2 38	24 14	0 23	23 56	0 13	11 21	5 24	4 23	3 43	23 37			n.a.
M26	22 3	2 56	0 s16	20 39	0 47	12 19	0 35	28 24	4 33	24 4	1 18	0 25	2 38	24 15	0 23	23 56	0 13	11 22	5 25	4 23	3 44	23 35			n.a.
T 27	21 53	3 s49	1 29	20 2	0 37	11 50	0 32	28 24	4 32	24 6	1 18	0 25	2 39	24 15	0 23	23 57	0 13	11 22	5 25	4 23	3 46	23 33			n.a.
W28	21 43	10 11	2 36	19 23	0 27	11 21	0 28	28 23	4 31	24 7	1 19	0 25	2 39	24 15	0 23	23 57	0 13	11 22	5 25	4 22	3 47	23 31			n.a.
T 29	21 32	15 56	3 32	18 44	0 16	10 52	0 25	28 22	4 30	24 8	1 19	0 24	2 39	24 15	0 23	23 57	0 13	11 22	5 25	4 23	3 48	23 29			n.a.
F 30	21 21	20 51	4 16	18 3	0 4	10 23	0 22	28 22	4 29	24 9	1 19	0 24	2 39	24 15	0 23	23 57	0 13	11 23	5 25	4 23	3 49	23 26			n.a.
S 31	21 s 9	24 s44	4 s46	17 s22	0n 9	9 s53	0 s18	28n21	4n27	24n10	1n19	0 s24	2n40	24 s15	0 s23	23n57	0n13	11 s23	5n25	4 s25	3 s51	23 s24			n.a.

Julian Day Number = 1101228.5, Delta T = 11h02m35s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'42, Lahiri = -27°22'42 Julian Calendar 1 Jan. 1698 BCE == Greg. Calendar 18 Dec. 1699 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

FEBRUARY 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 43 55	27♉59'44	10♐18	13♒46	6♓51	1°R 9	16°R19	7°R 1	27♐15	6°R25	14♏42	18°R56	20♓25	3♒35	n.a.	S 1
M 2	7 47 51	28°59'21	22°27	15°24	8° 2	0♋53	16♋11	7♎ 0	27°18	6♋23	14°43	18♓48	20°22	3°42	n.a.	M 2
T 3	7 51 48	29°58'56	4♉28	16°57	9°12	0°37	16° 4	7° 0	27°21	6°22	14°44	18°38	20°19	3°49	n.a.	T 3
W 4	7 55 44	0♒58'28	16°23	18°27	10°23	0°23	15°56	6°59	27°24	6°20	14°45	18°29	20°16	3°55	n.a.	W 4
T 5	7 59 41	1°57'59	28°15	19°50	11°33	0° 9	15°49	6°59	27°27	6°19	14°46	18°20	20°12	4° 2	n.a.	T 5
F 6	8 3 38	2°57'27	10♒ 4	21° 9	12°43	29♊55	15°42	6°58	27°30	6°17	14°46	18°12	20° 9	4° 9	n.a.	F 6
S 7	8 7 34	3°56'53	21°53	22°21	13°53	29°43	15°35	6°57	27°33	6°16	14°47	18° 7	20° 6	4°15	n.a.	S 7
S 8	8 11 31	4°56'17	3♓44	23°27	15° 2	29°31	15°28	6°57	27°36	6°15	14°48	18° 3	20° 3	4°22	n.a.	S 8
M 9	8 15 27	5°55'38	15°39	24°26	16°12	29°21	15°21	6°56	27°39	6°13	14°49	18°D 2	20° 0	4°29	n.a.	M 9
T 10	8 19 24	6°54'57	27°42	25°18	17°22	29°11	15°14	6°55	27°42	6°12	14°49	18° 3	19°57	4°35	n.a.	T 10
W11	8 23 20	7°54'14	9♈55	26° 3	18°31	29° 1	15° 7	6°53	27°45	6°10	14°50	18° 4	19°53	4°42	n.a.	W11
T 12	8 27 17	8°53'28	22°24	26°40	19°40	28°53	15° 0	6°52	27°48	6° 9	14°50	18° 6	19°50	4°49	n.a.	T 12
F 13	8 31 13	9°52'40	5♉12	27°10	20°49	28°45	14°54	6°51	27°50	6° 8	14°51	18°R 7	19°47	4°55	n.a.	F 13
S 14	8 35 10	10°51'49	18°23	27°33	21°58	28°38	14°47	6°49	27°53	6° 6	14°51	18° 6	19°44	5° 2	n.a.	S 14
S 15	8 39 7	11°50'55	2♊ 1	27°48	23° 7	28°32	14°41	6°48	27°56	6° 5	14°52	18° 5	19°41	5° 9	n.a.	S 15
M16	8 43 3	12°50'00	16° 7	27°R55	24°16	28°27	14°35	6°46	27°59	6° 4	14°52	18° 1	19°37	5°15	n.a.	M16
T 17	8 47 0	13°49'02	0♋39	27°55	25°24	28°23	14°29	6°44	28° 1	6° 2	14°53	17°57	19°34	5°22	n.a.	T 17
W18	8 50 56	14°48'01	15°34	27°48	26°32	28°19	14°23	6°43	28° 4	6° 1	14°53	17°52	19°31	5°29	n.a.	W18
T 19	8 54 53	15°46'58	0♌44	27°34	27°40	28°16	14°17	6°41	28° 7	6° 0	14°54	17°48	19°28	5°36	n.a.	T 19
F 20	8 58 49	16°45'53	16° 0	27°13	28°48	28°14	14°11	6°39	28° 9	5°59	14°54	17°44	19°25	5°42	n.a.	F 20
S 21	9 2 46	17°44'45	1♍11	26°47	29°56	28°13	14° 6	6°37	28°12	5°58	14°54	17°42	19°22	5°49	n.a.	S 21
S 22	9 6 42	18°43'35	16° 7	26°16	1♈ 4	28°D12	14° 0	6°34	28°14	5°57	14°55	17°D41	19°18	5°56	n.a.	S 22
M23	9 10 39	19°42'24	0♎42	25°40	2°11	28°12	13°55	6°32	28°17	5°55	14°55	17°41	19°15	6° 2	n.a.	M23
T 24	9 14 35	20°41'10	14°50	25° 0	3°18	28°13	13°50	6°30	28°19	5°54	14°55	17°43	19°12	6° 9	n.a.	T 24
W25	9 18 32	21°39'54	28°32	24°17	4°25	28°14	13°45	6°27	28°22	5°53	14°55	17°44	19° 9	6°16	n.a.	W25
T 26	9 22 29	22°38'37	11♏47	23°32	5°32	28°17	13°40	6°25	28°24	5°52	14°55	17°45	19° 6	6°22	n.a.	T 26
F 27	9 26 25	23°37'18	24°38	22°46	6°39	28°20	13°35	6°22	28°26	5°51	14°55	17°R46	19° 3	6°29	n.a.	F 27
S 28	9 30 22	24♒35'57	7♐10	22♒ 0	7♈45	28♊23	13♋31	6♎20	28♐29	5♋50	14♏56	17♓45	18♓59	6♒36	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s57	27s24	5s 3	16s40	0n21	9s23	0s15	28n19	4n26	24n11	1n19	0s24	2n40	24s15	0s23	23n57	0n13	11s23	5n25	4s28	3s52	23s22		n.a.
M 2	20 45	28 46	5 6	15 59	0 34	8 53	0 11	28 18	4 25	24 12	1 19	0 23	2 40	24 15	0 23	23 57	0 13	11 23	5 25	4 31	3 53	23 20		n.a.
T 3	20 32	28 44	4 55	15 17	0 48	8 23	0 8	28 17	4 23	24 13	1 19	0 23	2 40	24 15	0 23	23 57	0 13	11 23	5 25	4 35	3 54	23 18		n.a.
W 4	20 19	27 21	4 31	14 37	1 2	7 53	0 4	28 16	4 22	24 14	1 19	0 23	2 41	24 15	0 23	23 57	0 13	11 24	5 25	4 39	3 56	23 15		n.a.
T 5	20 6	24 45	3 56	13 57	1 15	7 22	0 0	28 14	4 20	24 15	1 19	0 22	2 41	24 15	0 23	23 57	0 13	11 24	5 25	4 42	3 57	23 13		n.a.
F 6	19 52	21 6	3 10	13 19	1 29	6 52	0n 3	28 12	4 19	24 15	1 19	0 22	2 41	24 16	0 23	23 57	0 13	11 24	5 25	4 45	3 58	23 11		n.a.
S 7	19 38	16 38	2 17	12 42	1 43	6 21	0 7	28 11	4 17	24 16	1 19	0 21	2 41	24 16	0 23	23 58	0 13	11 24	5 25	4 47	4 0	23 9		n.a.
S 8	19 24	11 31	1 17	12 8	1 56	5 50	0 11	28 9	4 15	24 17	1 19	0 21	2 42	24 16	0 23	23 58	0 13	11 24	5 25	4 49	4 1	23 6		n.a.
M 9	19 9	5 57	0 13	11 36	2 10	5 19	0 15	28 7	4 14	24 18	1 19	0 20	2 42	24 16	0 23	23 58	0 13	11 24	5 25	4 49	4 2	23 4		n.a.
T 10	18 54	0 8	0n52	11 6	2 22	4 48	0 19	28 5	4 12	24 19	1 19	0 19	2 42	24 16	0 23	23 58	0 13	11 24	5 26	4 49	4 3	23 2		n.a.
W11	18 38	5n47	1 56	10 39	2 35	4 17	0 23	28 4	4 10	24 20	1 19	0 19	2 42	24 16	0 23	23 58	0 13	11 25	5 26	4 48	4 5	23 0		n.a.
T 12	18 23	11 35	2 56	10 15	2 46	3 45	0 27	28 2	4 8	24 20	1 19	0 18	2 42	24 16	0 23	23 58	0 13	11 25	5 26	4 48	4 6	22 57		n.a.
F 13	18 7	17 5	3 49	9 55	2 57	3 14	0 31	28 0	4 6	24 21	1 19	0 17	2 43	24 16	0 23	23 58	0 13	11 25	5 26	4 47	4 7	22 55		n.a.
S 14	17 50	21 57	4 31	9 38	3 7	2 43	0 35	27 58	4 4	24 22	1 19	0 16	2 43	24 16	0 23	23 58	0 13	11 25	5 26	4 47	4 8	22 53		n.a.
S 15	17 34	25 51	5 0	9 24	3 16	2 11	0 39	27 56	4 3	24 23	1 19	0 16	2 43	24 16	0 23	23 58	0 13	11 25	5 26	4 48	4 10	22 50		n.a.
M16	17 17	28 19	5 11	9 14	3 24	1 40	0 43	27 54	4 1	24 23	1 19	0 15	2 43	24 16	0 23	23 58	0 13	11 25	5 26	4 49	4 11	22 48		n.a.
T 17	17 0	28 58	5 4	9 8	3 30	1 9	0 47	27 52	3 59	24 24	1 19	0 14	2 44	24 16	0 23	23 58	0 13	11 25	5 26	4 51	4 12	22 46		n.a.
W18	16 42	27 32	4 36	9 6	3 36	0 37	0 51	27 50	3 57	24 25	1 19	0 13	2 44	24 16	0 24	23 58	0 13	11 25	5 26	4 53	4 14	22 44		n.a.
T 19	16 24	24 5	3 49	9 7	3 39	0 6	0 55	27 47	3 55	24 25	1 19	0 12	2 44	24 16	0 24	23 58	0 13	11 25	5 26	4 55	4 15	22 41		n.a.
F 20	16 7	18 57	2 45	9 12	3 42	0n25	0 59	27 45	3 52	24 26	1 19	0 11	2 44	24 16	0 24	23 58	0 13	11 25	5 26	4 56	4 16	22 39		n.a.
S 21	15 48	12 39	1 29	9 21	3 42	0 57	1 4	27 43	3 50	24 26	1 19	0 10	2 44	24 17	0 24	23 59	0 13	11 25	5 26	4 57	4 17	22 37		n.a.
S 22	15 30	5 43	0 9	9 33	3 41	1 28	1 8	27 41	3 48	24 27	1 19	0 9	2 45	24 17	0 24	23 59	0 13	11 25	5 26	4 57	4 19	22 34		n.a.
M23	15 11	1s22	1s11	9 48	3 38	1 59	1 12	27 39	3 46	24 27	1 19	0 8	2 45	24 17	0 24	23 59	0 13	11 25	5 27	4 57	4 20	22 32		n.a.
T 24	14 52	8 9	2 24	10 5	3 34	2 30	1 16	27 37	3 44	24 28	1 19	0 7	2 45	24 17	0 24	23 59	0 13	11 25	5 27	4 57	4 21	22 30		n.a.
W25	14 33	14 21	3 26	10 25	3 27	3 1	1 21	27 35	3 42	24 28	1 19	0 5	2 45	24 17	0 24	23 59	0 13	11 25	5 27	4 56	4 22	22 27		n.a.
T 26	14 14	19 41	4 15	10 48	3 20	3 32	1 25	27 33	3 40	24 29	1 18	0 4	2 45	24 17	0 24	23 59	0 13	11 25	5 27	4 56	4 24	22 25		n.a.
F 27	13 54	23 57	4 49	11 12	3 10	4 3	1 29	27 31	3 38	24 29	1 18	0 3	2 46	24 17	0 24	23 59	0 13	11 25	5 27	4 56	4 25	22 22		n.a.
S 28	13s34	27s 0	5s 9	11s37	3n 0	4n33	1n33	27n29	3n36	24n30	1n18	0s 2	2n46	24s17	0s24	23n59	0n13	11s25	5n27	4s56	4s26	22s20		n.a.

Julian Day Number = 1101259.5, Delta T = 11h02m33s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'38, Lahiri = -27°22'37 Julian Calendar 1 Feb. 1698 BCE == Greg. Calendar 18 Jan. 1698 BCE

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

MARCH 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 34 18	25♒34'34	19♐25	21°R14	8♈51	28♊28	13°R27	6°R17	28♐31	5°R49	14♏56	17°R43	18♓56	6♒42	n.a.	S 1
M 2	9 38 15	26°33'09	1♑29	20♒29	9°57	28°33	13♋22	6♎14	28°33	5♋48	14°R56	17♓41	18°53	6°49	n.a.	M 2
T 3	9 42 11	27°31'43	13°24	19°47	11° 3	28°39	13°18	6°11	28°35	5°47	14°56	17°38	18°50	6°56	n.a.	T 3
W 4	9 46 8	28°30'14	25°15	19° 8	12° 9	28°45	13°15	6° 8	28°37	5°47	14°56	17°35	18°47	7° 2	n.a.	W 4
T 5	9 50 4	29°28'44	7♒ 4	18°32	13°14	28°52	13°11	6° 5	28°39	5°46	14°56	17°32	18°43	7° 9	n.a.	T 5
F 6	9 54 1	0♓27'11	18°53	18° 0	14°19	29° 0	13° 8	6° 2	28°42	5°45	14°55	17°29	18°40	7°16	n.a.	F 6
S 7	9 57 57	1°25'37	0♓46	17°32	15°24	29° 8	13° 4	5°59	28°44	5°44	14°55	17°28	18°37	7°22	n.a.	S 7
S 8	10 1 54	2°24'00	12°43	17° 9	16°29	29°17	13° 1	5°56	28°46	5°43	14°55	17°D27	18°34	7°29	n.a.	S 8
M 9	10 5 51	3°22'22	24°48	16°50	17°33	29°27	12°58	5°52	28°47	5°43	14°55	17°27	18°31	7°36	n.a.	M 9
T 10	10 9 47	4°20'41	7♈ 1	16°37	18°37	29°37	12°55	5°49	28°49	5°42	14°55	17°28	18°28	7°42	n.a.	T 10
W11	10 13 44	5°18'58	19°25	16°29	19°41	29°48	12°53	5°46	28°51	5°41	14°54	17°29	18°24	7°49	n.a.	W11
T 12	10 17 40	6°17'13	2♉ 3	16°D25	20°44	29°59	12°50	5°42	28°53	5°40	14°54	17°30	18°21	7°56	n.a.	T 12
F 13	10 21 37	7°15'26	14°58	16°27	21°48	0♋11	12°48	5°39	28°55	5°40	14°54	17°31	18°18	8° 3	n.a.	F 13
S 14	10 25 33	8°13'37	28°11	16°34	22°51	0°23	12°46	5°35	28°57	5°39	14°53	17°31	18°15	8° 9	n.a.	S 14
S 15	10 29 30	9°11'46	11♊45	16°45	23°53	0°36	12°44	5°31	28°58	5°39	14°53	17°R31	18°12	8°16	n.a.	S 15
M16	10 33 26	10° 9'52	25°41	17° 1	24°56	0°50	12°43	5°27	29° 0	5°38	14°53	17°31	18° 8	8°23	n.a.	M16
T 17	10 37 23	11° 7'57	9♋58	17°22	25°58	1° 4	12°41	5°24	29° 1	5°38	14°52	17°31	18° 5	8°29	n.a.	T 17
W18	10 41 19	12° 5'59	24°34	17°48	27° 0	1°18	12°40	5°20	29° 3	5°37	14°52	17°30	18° 2	8°36	n.a.	W18
T 19	10 45 16	13° 3'59	9♌25	18°17	28° 1	1°33	12°39	5°16	29° 5	5°37	14°51	17°29	17°59	8°43	n.a.	T 19
F 20	10 49 13	14° 1'58	24°24	18°51	29° 2	1°49	12°38	5°12	29° 6	5°36	14°51	17°29	17°56	8°49	n.a.	F 20
S 21	10 53 9	14°59'54	9♍22	19°28	0♉ 3	2° 5	12°37	5° 8	29° 7	5°36	14°50	17°29	17°53	8°56	n.a.	S 21
S 22	10 57 6	15°57'48	24°12	20°10	1° 3	2°21	12°36	5° 4	29° 9	5°36	14°50	17°D29	17°49	9° 3	n.a.	S 22
M23	11 1 2	16°55'41	8♎47	20°55	2° 3	2°38	12°36	5° 0	29°10	5°35	14°49	17°29	17°46	9° 9	n.a.	M23
T 24	11 4 59	17°53'32	22°59	21°43	3° 3	2°55	12°36	4°56	29°11	5°35	14°48	17°R29	17°43	9°16	n.a.	T 24
W25	11 8 55	18°51'21	6♏47	22°35	4° 2	3°13	12°D36	4°52	29°13	5°35	14°48	17°29	17°40	9°23	n.a.	W25
T 26	11 12 52	19°49'10	20°10	23°31	5° 0	3°31	12°36	4°48	29°14	5°35	14°47	17°29	17°37	9°29	n.a.	T 26
F 27	11 16 48	20°46'56	3♐ 7	24°29	5°59	3°50	12°36	4°43	29°15	5°34	14°46	17°28	17°34	9°36	n.a.	F 27
S 28	11 20 45	21°44'42	15°43	25°30	6°57	4° 9	12°37	4°39	29°16	5°34	14°46	17°28	17°30	9°43	n.a.	S 28
S 29	11 24 42	22°42'26	28° 0	26°35	7°54	4°29	12°38	4°35	29°17	5°34	14°45	17°D28	17°27	9°49	n.a.	S 29
M30	11 28 38	23°40'09	10♑ 4	27°42	8°51	4°48	12°38	4°31	29°18	5°34	14°44	17°28	17°24	9°56	n.a.	M30
T 31	11 32 35	24♓37'51	21♑58	28♒51	9♉47	5♋ 9	12♋39	4♎26	29♐19	5♋34	14♏43	17♓29	17♓21	10♒ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13s14	28s41	5s14	12s 3	2n48	5n 4	1n38	27n27	3n34	24n30	1n18	0s 1	2n46	24s17	0s24	23n59	0n13	11s25	5n27	4s56	4s27	22s18			n.a.
M 2	12 54	28 59	5 5	12 29	2 35	5 34	1 42	27 25	3 32	24 30	1 18	0n 1	2 46	24 17	0 24	23 59	0 13	11 25	5 27	4 57	4 29	22 15			n.a.
T 3	12 34	27 54	4 43	12 56	2 21	6 4	1 46	27 23	3 30	24 31	1 18	0 2	2 46	24 17	0 24	23 59	0 13	11 25	5 27	4 59	4 30	22 13			n.a.
W 4	12 13	25 34	4 9	13 22	2 6	6 34	1 50	27 21	3 28	24 31	1 18	0 3	2 46	24 17	0 24	23 59	0 13	11 25	5 27	5 0	4 31	22 11			n.a.
T 5	11 52	22 9	3 25	13 48	1 51	7 4	1 54	27 19	3 25	24 31	1 18	0 5	2 47	24 17	0 24	23 59	0 13	11 25	5 27	5 1	4 33	22 8			n.a.
F 6	11 31	17 50	2 31	14 13	1 35	7 34	1 59	27 17	3 23	24 31	1 18	0 6	2 47	24 17	0 24	23 59	0 13	11 25	5 27	5 2	4 34	22 6			n.a.
S 7	11 10	12 49	1 31	14 37	1 20	8 3	2 3	27 15	3 21	24 32	1 18	0 8	2 47	24 17	0 24	23 59	0 13	11 24	5 27	5 3	4 35	22 3			n.a.
S 8	10 49	7 19	0 26	14 59	1 4	8 33	2 7	27 13	3 19	24 32	1 18	0 9	2 47	24 17	0 24	23 59	0 13	11 24	5 27	5 3	4 36	22 1			n.a.
M 9	10 28	1 29	0n41	15 19	0 48	9 2	2 11	27 11	3 17	24 32	1 18	0 11	2 47	24 17	0 24	23 59	0 13	11 24	5 28	5 3	4 38	21 59			n.a.
T 10	10 6	4n27	1 46	15 38	0 32	9 30	2 15	27 9	3 15	24 32	1 17	0 12	2 47	24 17	0 24	23 59	0 13	11 24	5 28	5 3	4 39	21 56			n.a.
W11	9 44	10 19	2 48	15 56	0 17	9 59	2 19	27 7	3 13	24 32	1 17	0 14	2 48	24 17	0 24	23 59	0 13	11 24	5 28	5 2	4 40	21 54			n.a.
T 12	9 22	15 53	3 43	16 11	0 2	10 27	2 23	27 5	3 11	24 33	1 17	0 15	2 48	24 17	0 24	23 59	0 13	11 24	5 28	5 2	4 41	21 51			n.a.
F 13	9 1	20 53	4 27	16 24	0s12	10 55	2 27	27 3	3 9	24 33	1 17	0 17	2 48	24 17	0 24	23 59	0 13	11 24	5 28	5 2	4 43	21 49			n.a.
S 14	8 38	24 59	4 59	16 35	0 26	11 23	2 31	27 1	3 7	24 33	1 17	0 18	2 48	24 18	0 24	24 0	0 13	11 24	5 28	5 1	4 44	21 46			n.a.
S 15	8 16	27 50	5 15	16 45	0 40	11 50	2 35	26 59	3 5	24 33	1 17	0 20	2 48	24 18	0 24	24 0	0 13	11 23	5 28	5 1	4 45	21 44			n.a.
M16	7 54	29 3	5 14	16 52	0 53	12 17	2 39	26 57	3 3	24 33	1 17	0 21	2 48	24 18	0 24	24 0	0 13	11 23	5 28	5 1	4 46	21 41			n.a.
T 17	7 32	28 23	4 53	16 57	1 5	12 44	2 43	26 55	3 1	24 33	1 17	0 23	2 48	24 18	0 24	24 0	0 13	11 23	5 28	5 2	4 48	21 39			n.a.
W18	7 9	25 46	4 13	17 0	1 16	13 10	2 46	26 53	3 0	24 33	1 16	0 25	2 48	24 18	0 24	24 0	0 13	11 23	5 28	5 2	4 49	21 37			n.a.
T 19	6 47	21 23	3 16	17 1	1 27	13 37	2 50	26 51	2 58	24 33	1 16	0 26	2 48	24 18	0 24	24 0	0 13	11 23	5 28	5 2	4 50	21 34			n.a.
F 20	6 24	15 36	2 5	17 0	1 37	14 2	2 54	26 49	2 56	24 33	1 16	0 28	2 49	24 18	0 24	24 0	0 13	11 22	5 28	5 2	4 52	21 32			n.a.
S 21	6 1	8 54	0 45	16 57	1 47	14 28	2 57	26 47	2 54	24 33	1 16	0 30	2 49	24 18	0 24	24 0	0 13	11 22	5 28	5 2	4 53	21 29			n.a.
S 22	5 38	1 47	0s37	16 51	1 55	14 53	3 1	26 44	2 52	24 33	1 16	0 31	2 49	24 18	0 24	24 0	0 13	11 22	5 28	5 2	4 54	21 27			n.a.
M23	5 15	5s18	1 56	16 44	2 3	15 17	3 4	26 42	2 50	24 33	1 16	0 33	2 49	24 18	0 24	24 0	0 13	11 22	5 28	5 2	4 55	21 24			n.a.
T 24	4 52	11 57	3 5	16 35	2 11	15 41	3 8	26 40	2 48	24 32	1 16	0 35	2 49	24 18	0 24	24 0	0 13	11 22	5 28	5 2	4 57	21 22			n.a.
W25	4 29	17 49	4 1	16 24	2 17	16 5	3 11	26 38	2 46	24 32	1 16	0 37	2 49	24 18	0 24	24 0	0 13	11 21	5 28	5 2	4 58	21 19			n.a.
T 26	4 6	22 38	4 42	16 11	2 23	16 29	3 14	26 35	2 45	24 32	1 15	0 38	2 49	24 18	0 24	24 0	0 13	11 21	5 28	5 2	4 59	21 17			n.a.
F 27	3 43	26 12	5 7	15 56	2 28	16 52	3 17	26 33	2 43	24 32	1 15	0 40	2 49	24 18	0 24	24 0	0 13	11 21	5 29	5 2	5 0	21 14			n.a.
S 28	3 20	28 22	5 17	15 39	2 33	17 14	3 21	26 31	2 41	24 32	1 15	0 42	2 49	24 18	0 24	24 0	0 13	11 21	5 29	5 2	5 2	21 12			n.a.
S 29	2 57	29 5	5 12	15 20	2 37	17 36	3 23	26 28	2 39	24 32	1 15	0 44	2 49	24 18	0 24	24 0	0 13	11 20	5 29	5 2	5 3	21 9			n.a.
M30	2 34	28 22	4 53	15 0	2 40	17 58	3 26	26 26	2 38	24 31	1 15	0 45	2 49	24 18	0 25	24 0	0 13	11 20	5 29	5 2	5 4	21 7			n.a.
T 31	2s10	26s22	4s22	14s37	2s42	18n19	3n29	26n23	2n36	24n31	1n15	0n47	2n49	24s18	0s25	24n 0	0n13	11s20	5n29	5s 2	5s 5	21s 4			n.a.

Julian Day Number = 1101287.5, Delta T = 11h02m31s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'34, Lahiri = -27°22'34 Julian Calendar 1 March 1698 BCE == Greg. Calendar 15 Feb. 1698 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

APRIL 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 36 31	25♓35'31	3♒48	0♓ 4	10♉43	5♋29	12♋41	4°R22	29♐20	5°D34	14°R42	17♓30	17♓18	10♒ 9	n.a.	W 1
T 2	11 40 28	26°33'10	15°37	1°19	11°39	5°50	12°42	4♎18	29°21	5♋34	14♏41	17°31	17°14	10°16	n.a.	T 2
F 3	11 44 24	27°30'48	27°29	2°36	12°34	6°12	12°44	4°13	29°22	5°34	14°41	17°32	17°11	10°23	n.a.	F 3
S 4	11 48 21	28°28'24	9♓27	3°56	13°28	6°33	12°46	4° 9	29°22	5°34	14°40	17°32	17° 8	10°29	n.a.	S 4
S 5	11 52 17	29°25'59	21°33	5°19	14°22	6°55	12°48	4° 5	29°23	5°34	14°39	17°R32	17° 5	10°36	n.a.	S 5
M 6	11 56 14	0♈23'33	3♈51	6°44	15°15	7°18	12°50	4° 0	29°24	5°34	14°38	17°32	17° 2	10°43	n.a.	M 6
T 7	12 0 10	1°21'05	16°20	8°11	16° 8	7°40	12°52	3°56	29°24	5°34	14°37	17°30	16°59	10°49	n.a.	T 7
W 8	12 4 7	2°18'36	29° 2	9°40	17° 0	8° 4	12°54	3°51	29°25	5°35	14°36	17°29	16°55	10°56	n.a.	W 8
T 9	12 8 4	3°16'05	11♉59	11°12	17°52	8°27	12°57	3°47	29°25	5°35	14°35	17°27	16°52	11° 3	n.a.	T 9
F 10	12 12 0	4°13'33	25° 9	12°46	18°42	8°51	13° 0	3°43	29°26	5°35	14°34	17°24	16°49	11° 9	n.a.	F 10
S 11	12 15 57	5°11'00	8♊34	14°22	19°32	9°15	13° 3	3°38	29°26	5°35	14°33	17°22	16°46	11°16	n.a.	S 11
S 12	12 19 53	6° 8'25	22°13	16° 1	20°22	9°39	13° 6	3°34	29°27	5°36	14°31	17°21	16°43	11°23	n.a.	S 12
M13	12 23 50	7° 5'49	6♋ 7	17°42	21°10	10° 4	13°10	3°29	29°27	5°36	14°30	17°D21	16°40	11°29	n.a.	M13
T 14	12 27 46	8° 3'11	20°14	19°25	21°58	10°29	13°13	3°25	29°27	5°37	14°29	17°21	16°36	11°36	n.a.	T 14
W15	12 31 43	9° 0'32	4♌34	21°10	22°45	10°54	13°17	3°21	29°27	5°37	14°28	17°22	16°33	11°43	n.a.	W15
T 16	12 35 40	9°57'52	19° 2	22°58	23°31	11°19	13°21	3°16	29°28	5°38	14°27	17°23	16°30	11°49	n.a.	T 16
F 17	12 39 36	10°55'10	3♍36	24°48	24°17	11°45	13°25	3°12	29°28	5°38	14°26	17°24	16°27	11°56	n.a.	F 17
S 18	12 43 33	11°52'27	18°11	26°40	25° 1	12°11	13°29	3° 7	29°28	5°39	14°24	17°R25	16°24	12° 3	n.a.	S 18
S 19	12 47 29	12°49'42	2♎42	28°34	25°44	12°38	13°33	3° 3	29°R28	5°39	14°23	17°24	16°20	12° 9	n.a.	S 19
M20	12 51 26	13°46'57	17° 2	0♈31	26°27	13° 4	13°38	2°59	29°28	5°40	14°22	17°22	16°17	12°16	n.a.	M20
T 21	12 55 22	14°44'11	1♏ 5	2°29	27° 8	13°31	13°42	2°55	29°28	5°40	14°21	17°19	16°14	12°23	n.a.	T 21
W22	12 59 19	15°41'24	14°50	4°30	27°48	13°58	13°47	2°50	29°28	5°41	14°19	17°15	16°11	12°29	n.a.	W22
T 23	13 3 15	16°38'36	28°11	6°32	28°28	14°25	13°52	2°46	29°27	5°42	14°18	17°11	16° 8	12°36	n.a.	T 23
F 24	13 7 12	17°35'48	11♐11	8°36	29° 6	14°53	13°57	2°42	29°27	5°42	14°17	17° 7	16° 5	12°43	n.a.	F 24
S 25	13 11 9	18°32'59	23°49	10°42	29°43	15°21	14° 2	2°38	29°27	5°43	14°15	17° 3	16° 1	12°49	n.a.	S 25
S 26	13 15 5	19°30'10	6♑ 8	12°49	0♊19	15°49	14° 8	2°34	29°27	5°44	14°14	17° 1	15°58	12°56	n.a.	S 26
M27	13 19 2	20°27'20	18°13	14°58	0°53	16°17	14°13	2°29	29°26	5°45	14°13	17°D 0	15°55	13° 3	n.a.	M27
T 28	13 22 58	21°24'30	0♒ 8	17° 8	1°26	16°46	14°19	2°25	29°26	5°46	14°11	17° 0	15°52	13°10	n.a.	T 28
W29	13 26 55	22°21'39	11°58	19°18	1°58	17°14	14°25	2°21	29°25	5°46	14°10	17° 2	15°49	13°16	n.a.	W29
T 30	13 30 51	23♈18'48	23♒48	21♈29	2♊29	17♋43	14♋31	2♎17	29♐25	5♋47	14♏ 9	17♓ 3	15♓45	13♒23	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1s47	23s13	3s39	14s13	2s44	18n40	3n32	26n21	2n34	24n31	1n15	0n49	2n49	24s18	0s25	24n 0	0n13	11s19	5n29	5s 2	5s 7	21s 1		n.a.
T 2	1 24	19 7	2 48	13 47	2 45	19 0	3 34	26 18	2 32	24 31	1 15	0 51	2 49	24 18	0 25	24 0	0 13	11 19	5 29	5 2	5 8	20 59		n.a.
F 3	1 0	14 17	1 49	13 19	2 46	19 20	3 37	26 15	2 31	24 30	1 14	0 52	2 49	24 18	0 25	24 0	0 13	11 19	5 29	5 1	5 9	20 56		n.a.
S 4	0 37	8 52	0 45	12 49	2 46	19 39	3 39	26 13	2 29	24 30	1 14	0 54	2 49	24 18	0 25	24 0	0 13	11 19	5 29	5 1	5 10	20 54		n.a.
S 5	0 14	3 4	0n22	12 17	2 45	19 58	3 41	26 10	2 27	24 30	1 14	0 56	2 49	24 18	0 25	24 0	0 13	11 18	5 29	5 1	5 12	20 51		n.a.
M 6	0n10	2n55	1 29	11 44	2 44	20 16	3 44	26 7	2 26	24 29	1 14	0 58	2 49	24 18	0 25	24 0	0 13	11 18	5 29	5 1	5 13	20 49		n.a.
T 7	0 33	8 53	2 33	11 9	2 42	20 34	3 46	26 4	2 24	24 29	1 14	1 0	2 49	24 18	0 25	24 0	0 13	11 18	5 29	5 2	5 14	20 46		n.a.
W 8	0 56	14 36	3 30	10 32	2 39	20 51	3 47	26 1	2 22	24 29	1 14	1 1	2 49	24 18	0 25	24 0	0 13	11 17	5 29	5 2	5 16	20 44		n.a.
T 9	1 19	19 47	4 17	9 54	2 36	21 8	3 49	25 58	2 21	24 28	1 14	1 3	2 49	24 18	0 25	24 0	0 13	11 17	5 29	5 3	5 17	20 41		n.a.
F 10	1 43	24 8	4 52	9 14	2 32	21 24	3 51	25 54	2 19	24 28	1 13	1 5	2 49	24 18	0 25	24 0	0 13	11 17	5 29	5 4	5 18	20 38		n.a.
S 11	2 6	27 17	5 12	8 32	2 28	21 40	3 52	25 51	2 18	24 27	1 13	1 7	2 49	24 18	0 25	24 0	0 13	11 16	5 29	5 5	5 19	20 36		n.a.
S 12	2 29	28 53	5 14	7 48	2 23	21 55	3 53	25 48	2 16	24 27	1 13	1 8	2 49	24 19	0 25	24 0	0 13	11 16	5 29	5 5	5 21	20 33		n.a.
M13	2 52	28 43	4 59	7 3	2 17	22 9	3 54	25 44	2 14	24 26	1 13	1 10	2 49	24 19	0 25	24 0	0 13	11 16	5 29	5 6	5 22	20 31		n.a.
T 14	3 15	26 42	4 25	6 16	2 11	22 23	3 55	25 41	2 13	24 26	1 13	1 12	2 49	24 19	0 25	24 0	0 13	11 15	5 29	5 5	5 23	20 28		n.a.
W15	3 38	22 57	3 35	5 28	2 5	22 36	3 56	25 37	2 11	24 25	1 13	1 14	2 49	24 19	0 25	24 0	0 13	11 15	5 29	5 5	5 24	20 25		n.a.
T 16	4 1	17 46	2 30	4 38	1 58	22 49	3 57	25 33	2 10	24 25	1 13	1 15	2 49	24 19	0 25	24 0	0 13	11 15	5 29	5 4	5 26	20 23		n.a.
F 17	4 24	11 32	1 15	3 47	1 50	23 1	3 57	25 30	2 8	24 24	1 12	1 17	2 49	24 19	0 25	24 0	0 13	11 14	5 29	5 4	5 27	20 20		n.a.
S 18	4 47	4 41	0s 4	2 54	1 42	23 13	3 57	25 26	2 7	24 24	1 12	1 19	2 49	24 19	0 25	24 0	0 13	11 14	5 29	5 4	5 28	20 17		n.a.
S 19	5 10	2s21	1 23	2 0	1 34	23 24	3 57	25 22	2 5	24 23	1 12	1 20	2 49	24 19	0 25	24 0	0 13	11 14	5 29	5 4	5 29	20 15		n.a.
M20	5 32	9 12	2 36	1 5	1 25	23 34	3 57	25 17	2 4	24 23	1 12	1 22	2 49	24 19	0 25	24 0	0 13	11 13	5 29	5 5	5 31	20 12		n.a.
T 21	5 55	15 27	3 37	0 8	1 15	23 44	3 57	25 13	2 2	24 22	1 12	1 24	2 49	24 19	0 25	24 0	0 13	11 13	5 29	5 6	5 32	20 10		n.a.
W22	6 17	20 47	4 24	0n49	1 6	23 52	3 56	25 9	2 1	24 21	1 12	1 25	2 49	24 19	0 25	24 0	0 13	11 13	5 29	5 8	5 33	20 7		n.a.
T 23	6 40	24 56	4 56	1 48	0 56	24 1	3 55	25 4	1 59	24 21	1 12	1 27	2 49	24 19	0 25	24 0	0 13	11 12	5 29	5 9	5 34	20 4		n.a.
F 24	7 2	27 40	5 11	2 47	0 45	24 9	3 54	25 0	1 58	24 20	1 12	1 29	2 49	24 19	0 25	24 0	0 13	11 12	5 29	5 11	5 36	20 2		n.a.
S 25	7 24	28 55	5 11	3 47	0 35	24 16	3 53	24 55	1 56	24 19	1 11	1 30	2 48	24 19	0 25	24 0	0 13	11 11	5 29	5 12	5 37	19 59		n.a.
S 26	7 46	28 40	4 56	4 47	0 24	24 22	3 51	24 50	1 55	24 19	1 11	1 32	2 48	24 19	0 25	24 0	0 13	11 11	5 29	5 13	5 38	19 56		n.a.
M27	8 8	27 3	4 28	5 48	0 14	24 28	3 50	24 46	1 54	24 18	1 11	1 33	2 48	24 19	0 25	24 0	0 13	11 11	5 29	5 14	5 39	19 54		n.a.
T 28	8 30	24 13	3 49	6 48	0 3	24 33	3 47	24 41	1 52	24 17	1 11	1 35	2 48	24 19	0 25	23 59	0 14	11 10	5 29	5 14	5 41	19 51		n.a.
W29	8 52	20 24	3 0	7 49	0n 8	24 37	3 45	24 35	1 51	24 16	1 11	1 36	2 48	24 19	0 25	23 59	0 14	11 10	5 29	5 13	5 42	19 48		n.a.
T 30	9n13	15s47	2s 4	8n49	0n18	24n41	3n42	24n30	1n49	24n16	1n11	1n38	2n48	24s19	0s25	23n59	0n14	11s10	5n29	5s12	5s43	19s46		n.a.

Julian Day Number = 1101318.5, Delta T = 11h02m29s
Ecliptic obliquity = 23°53'42, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'30, Lahiri = -27°22'29 Julian Calendar 1 Apr. 1698 BCE == Greg. Calendar 18 March 1698 BCE

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

MAY 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 34 48	24♈15'56	5♓43	23♈41	2♊58	18♋12	14♋37	2°R13	29°R24	5♋48	14°R 7	17♓ 5	15♓42	13♒30	n.a.	F 1
S 2	13 38 44	25°13'04	17°47	25°52	3°25	18°42	14°43	2♎10	29♐24	5°49	14♏ 6	17°R 5	15°39	13°36	n.a.	S 2
S 3	13 42 41	26°10'12	0♈ 3	28° 4	3°51	19°11	14°50	2° 6	29°23	5°50	14° 4	17° 4	15°36	13°43	n.a.	S 3
M 4	13 46 38	27° 7'19	12°33	0♉15	4°15	19°41	14°56	2° 2	29°23	5°51	14° 3	17° 2	15°33	13°50	n.a.	M 4
T 5	13 50 34	28° 4'26	25°21	2°25	4°38	20°11	15° 3	1°58	29°22	5°52	14° 1	16°57	15°30	13°56	n.a.	T 5
W 6	13 54 31	29° 1'33	8♉25	4°34	4°59	20°41	15°10	1°54	29°21	5°53	14° 0	16°51	15°26	14° 3	n.a.	W 6
T 7	13 58 27	29°58'39	21°44	6°42	5°18	21°12	15°17	1°51	29°20	5°54	13°58	16°44	15°23	14°10	n.a.	T 7
F 8	14 2 24	0♉55'45	5♊18	8°48	5°35	21°42	15°24	1°47	29°19	5°56	13°57	16°37	15°20	14°16	n.a.	F 8
S 9	14 6 20	1°52'50	19° 4	10°53	5°50	22°13	15°31	1°44	29°18	5°57	13°55	16°31	15°17	14°23	n.a.	S 9
S 10	14 10 17	2°49'55	2♋59	12°57	6° 4	22°44	15°38	1°40	29°17	5°58	13°54	16°26	15°14	14°30	n.a.	S 10
M11	14 14 14	3°46'59	17° 1	14°58	6°15	23°15	15°46	1°37	29°16	5°59	13°52	16°23	15°11	14°36	n.a.	M11
T 12	14 18 10	4°44'03	1♌ 8	16°58	6°24	23°47	15°53	1°33	29°15	6° 0	13°51	16°D22	15° 7	14°43	n.a.	T 12
W13	14 22 7	5°41'06	15°18	18°56	6°31	24°18	16° 1	1°30	29°14	6° 2	13°49	16°22	15° 4	14°50	n.a.	W13
T 14	14 26 3	6°38'08	29°30	20°52	6°36	24°50	16° 9	1°27	29°13	6° 3	13°48	16°23	15° 1	14°56	n.a.	T 14
F 15	14 30 0	7°35'11	13♍42	22°45	6°39	25°22	16°17	1°24	29°12	6° 4	13°46	16°R24	14°58	15° 3	n.a.	F 15
S 16	14 33 56	8°32'12	27°52	24°37	6°R39	25°54	16°25	1°21	29°11	6° 6	13°45	16°23	14°55	15°10	n.a.	S 16
S 17	14 37 53	9°29'14	11♎56	26°26	6°37	26°26	16°33	1°18	29°10	6° 7	13°43	16°21	14°51	15°16	n.a.	S 17
M18	14 41 49	10°26'15	25°53	28°14	6°32	26°59	16°42	1°15	29° 8	6° 8	13°42	16°16	14°48	15°23	n.a.	M18
T 19	14 45 46	11°23'17	9♏38	29°59	6°25	27°31	16°50	1°12	29° 7	6°10	13°40	16° 9	14°45	15°30	n.a.	T 19
W20	14 49 43	12°20'18	23° 7	1♊42	6°16	28° 4	16°58	1° 9	29° 6	6°11	13°39	16° 0	14°42	15°36	n.a.	W20
T 21	14 53 39	13°17'20	6♐19	3°23	6° 4	28°37	17° 7	1° 6	29° 4	6°13	13°37	15°50	14°39	15°43	n.a.	T 21
F 22	14 57 36	14°14'22	19°13	5° 2	5°50	29°10	17°16	1° 4	29° 3	6°14	13°36	15°41	14°36	15°49	n.a.	F 22
S 23	15 1 32	15°11'24	1♑47	6°39	5°34	29°43	17°25	1° 1	29° 1	6°16	13°34	15°33	14°32	15°56	n.a.	S 23
S 24	15 5 29	16° 8'27	14° 5	8°13	5°15	0♌16	17°34	0°59	29° 0	6°17	13°33	15°26	14°29	16° 3	n.a.	S 24
M25	15 9 25	17° 5'30	26°10	9°45	4°54	0°50	17°43	0°56	28°58	6°19	13°31	15°22	14°26	16° 9	n.a.	M25
T 26	15 13 22	18° 2'33	8♒ 5	11°16	4°31	1°23	17°52	0°54	28°57	6°21	13°29	15°19	14°23	16°16	n.a.	T 26
W27	15 17 19	18°59'37	19°54	12°43	4° 6	1°57	18° 1	0°52	28°55	6°22	13°28	15°D19	14°20	16°23	n.a.	W27
T 28	15 21 15	19°56'42	1♓45	14° 9	3°39	2°31	18°11	0°50	28°53	6°24	13°26	15°19	14°17	16°29	n.a.	T 28
F 29	15 25 12	20°53'47	13°41	15°33	3°10	3° 5	18°20	0°48	28°52	6°25	13°25	15°R20	14°13	16°36	n.a.	F 29
S 30	15 29 8	21°50'53	25°48	16°54	2°40	3°39	18°30	0°46	28°50	6°27	13°23	15°19	14°10	16°43	n.a.	S 30
S 31	15 33 5	22♉47'59	8♈10	18♊13	2♊ 8	4♌14	18♋39	0♎44	28♐48	6♋29	13♏22	15♓17	14♓ 7	16♒49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9n35	10s32	1s 2	9n48	0n28	24n44	3n39	24n25	1n48	24n15	1n11	1n39	2n48	24s19	0s25	23n59	0n14	11s 9	5n29	5s12	5s44	19s43		n.a.
S 2	9 56	4 52	0n 4	10 46	0 38	24 46	3 36	24 19	1 47	24 14	1 11	1 41	2 48	24 19	0 25	23 59	0 14	11 9	5 29	5 12	5 46	19 40		n.a.
S 3	10 17	1n 5	1 10	11 44	0 48	24 48	3 33	24 14	1 45	24 13	1 10	1 42	2 48	24 19	0 25	23 59	0 14	11 8	5 29	5 12	5 47	19 38		n.a.
M 4	10 38	7 6	2 14	12 40	0 57	24 49	3 29	24 8	1 44	24 12	1 10	1 44	2 47	24 19	0 26	23 59	0 14	11 8	5 29	5 13	5 48	19 35		n.a.
T 5	10 59	12 58	3 12	13 34	1 6	24 49	3 24	24 2	1 43	24 11	1 10	1 45	2 47	24 19	0 26	23 59	0 14	11 8	5 28	5 15	5 49	19 32		n.a.
W 6	11 20	18 23	4 2	14 27	1 14	24 48	3 20	23 56	1 41	24 10	1 10	1 46	2 47	24 19	0 26	23 59	0 14	11 7	5 28	5 17	5 51	19 29		n.a.
T 7	11 41	23 2	4 40	15 18	1 22	24 47	3 15	23 50	1 40	24 9	1 10	1 48	2 47	24 19	0 26	23 59	0 14	11 7	5 28	5 20	5 52	19 27		n.a.
F 8	12 1	26 33	5 2	16 7	1 29	24 45	3 10	23 44	1 39	24 9	1 10	1 49	2 47	24 19	0 26	23 59	0 14	11 6	5 28	5 23	5 53	19 24		n.a.
S 9	12 21	28 33	5 8	16 53	1 36	24 42	3 4	23 37	1 37	24 8	1 10	1 50	2 47	24 19	0 26	23 59	0 14	11 6	5 28	5 25	5 54	19 21		n.a.
S 10	12 41	28 47	4 56	17 38	1 42	24 39	2 58	23 31	1 36	24 7	1 10	1 52	2 46	24 19	0 26	23 59	0 14	11 6	5 28	5 27	5 56	19 19		n.a.
M11	13 1	27 11	4 26	18 20	1 47	24 34	2 51	23 24	1 35	24 6	1 9	1 53	2 46	24 19	0 26	23 59	0 14	11 5	5 28	5 28	5 57	19 16		n.a.
T 12	13 21	23 51	3 39	19 0	1 51	24 29	2 44	23 17	1 34	24 5	1 9	1 54	2 46	24 19	0 26	23 59	0 14	11 5	5 28	5 29	5 58	19 13		n.a.
W13	13 40	19 5	2 39	19 37	1 55	24 23	2 37	23 11	1 32	24 3	1 9	1 55	2 46	24 19	0 26	23 59	0 14	11 5	5 28	5 29	5 59	19 10		n.a.
T 14	13 59	13 15	1 30	20 13	1 58	24 16	2 29	23 4	1 31	24 2	1 9	1 56	2 46	24 19	0 26	23 59	0 14	11 4	5 28	5 28	6 1	19 8		n.a.
F 15	14 18	6 45	0 14	20 45	2 1	24 9	2 21	22 56	1 30	24 1	1 9	1 57	2 46	24 19	0 26	23 59	0 14	11 4	5 28	5 28	6 2	19 5		n.a.
S 16	14 37	0s 4	1s 1	21 16	2 3	24 0	2 13	22 49	1 28	24 0	1 9	1 58	2 45	24 19	0 26	23 59	0 14	11 3	5 28	5 28	6 3	19 2		n.a.
S 17	14 56	6 50	2 13	21 44	2 4	23 51	2 3	22 42	1 27	23 59	1 9	1 59	2 45	24 19	0 26	23 59	0 14	11 3	5 28	5 29	6 4	18 59		n.a.
M18	15 14	13 12	3 15	22 10	2 4	23 41	1 54	22 34	1 26	23 58	1 9	2 0	2 45	24 19	0 26	23 59	0 14	11 3	5 27	5 31	6 6	18 57		n.a.
T 19	15 32	18 51	4 6	22 33	2 4	23 30	1 44	22 26	1 25	23 57	1 9	2 1	2 45	24 19	0 26	23 59	0 14	11 2	5 27	5 34	6 7	18 54		n.a.
W20	15 50	23 26	4 41	22 54	2 3	23 18	1 34	22 18	1 24	23 56	1 9	2 2	2 45	24 19	0 26	23 58	0 14	11 2	5 27	5 37	6 8	18 51		n.a.
T 21	16 7	26 42	5 1	23 14	2 2	23 5	1 23	22 10	1 22	23 54	1 8	2 3	2 44	24 19	0 26	23 58	0 14	11 2	5 27	5 41	6 9	18 48		n.a.
F 22	16 25	28 30	5 4	23 31	2 0	22 52	1 12	22 2	1 21	23 53	1 8	2 4	2 44	24 19	0 26	23 58	0 14	11 1	5 27	5 45	6 11	18 46		n.a.
S 23	16 42	28 46	4 53	23 45	1 57	22 37	1 0	21 54	1 20	23 52	1 8	2 5	2 44	24 19	0 26	23 58	0 14	11 1	5 27	5 48	6 12	18 43		n.a.
S 24	16 59	27 34	4 28	23 58	1 54	22 22	0 48	21 45	1 19	23 51	1 8	2 6	2 44	24 19	0 26	23 58	0 14	11 1	5 27	5 51	6 13	18 40		n.a.
M25	17 15	25 6	3 51	24 9	1 50	22 6	0 36	21 37	1 18	23 49	1 8	2 7	2 43	24 19	0 26	23 58	0 14	11 0	5 27	5 53	6 14	18 37		n.a.
T 26	17 32	21 34	3 5	24 18	1 46	21 49	0 23	21 28	1 16	23 48	1 8	2 7	2 43	24 19	0 26	23 58	0 14	11 0	5 27	5 53	6 16	18 34		n.a.
W27	17 48	17 12	2 11	24 25	1 41	21 32	0 10	21 19	1 15	23 47	1 8	2 8	2 43	24 20	0 26	23 58	0 14	11 0	5 27	5 54	6 17	18 32		n.a.
T 28	18 4	12 10	1 12	24 31	1 35	21 14	0s 3	21 10	1 14	23 45	1 8	2 9	2 43	24 20	0 26	23 58	0 14	10 59	5 26	5 53	6 18	18 29		n.a.
F 29	18 19	6 40	0 9	24 34	1 29	20 55	0 17	21 1	1 13	23 44	1 8	2 9	2 42	24 20	0 26	23 58	0 14	10 59	5 26	5 53	6 19	18 26		n.a.
S 30	18 34	0 51	0n56	24 36	1 23	20 35	0 31	20 52	1 12	23 42	1 8	2 10	2 42	24 20	0 26	23 58	0 14	10 59	5 26	5 54	6 21	18 23		n.a.
S 31	18n49	5n 6	1n58	24n37	1n15	20n15	0s45	20n42	1n11	23n41	1n 8	2n10	2n42	24s20	0s26	23n58	0n14	10s58	5n26	5s54	6s22	18s20		n.a.

Julian Day Number = 1101348.5, Delta T = 11h02m27s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'26, Lahiri = -27°22'25 Julian Calendar 1 May 1698 BCE == Greg. Calendar 17 Apr. 1698 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

JUNE 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 37 1	23♉45'06	20♈51	19♊29	1°R34	4♌48	18♋49	0°R42	28°R46	6♋31	13°R20	15°R12	14♓ 4	16♒56	n.a.	M 1
T 2	15 40 58	24°42'14	3♉53	20°43	1♊ 0	5°23	18°59	0♎40	28♐44	6°32	13♏19	15♓ 5	14° 1	17° 3	n.a.	T 2
W 3	15 44 54	25°39'23	17°17	21°55	0°24	5°58	19° 9	0°39	28°43	6°34	13°17	14°56	13°57	17° 9	n.a.	W 3
T 4	15 48 51	26°36'32	1♊ 0	23° 4	29♉48	6°32	19°19	0°37	28°41	6°36	13°16	14°45	13°54	17°16	n.a.	T 4
F 5	15 52 48	27°33'42	15° 0	24°10	29°11	7° 8	19°29	0°36	28°39	6°38	13°14	14°34	13°51	17°23	n.a.	F 5
S 6	15 56 44	28°30'52	29°12	25°14	28°34	7°43	19°39	0°34	28°37	6°39	13°13	14°24	13°48	17°29	n.a.	S 6
S 7	16 0 41	29°28'03	13♋30	26°14	27°57	8°18	19°50	0°33	28°35	6°41	13°11	14°16	13°45	17°36	n.a.	S 7
M 8	16 4 37	0♊25'15	27°50	27°12	27°20	8°54	20° 0	0°32	28°33	6°43	13°10	14°10	13°42	17°43	n.a.	M 8
T 9	16 8 34	1°22'26	12♌ 7	28° 7	26°43	9°29	20°10	0°31	28°31	6°45	13° 9	14° 7	13°38	17°49	n.a.	T 9
W10	16 12 30	2°19'39	26°19	28°58	26° 7	10° 5	20°21	0°30	28°29	6°47	13° 7	14° 6	13°35	17°56	n.a.	W10
T 11	16 16 27	3°16'51	10♍25	29°47	25°32	10°41	20°32	0°29	28°27	6°49	13° 6	14° 6	13°32	18° 3	n.a.	T 11
F 12	16 20 24	4°14'04	24°22	0♋31	24°58	11°17	20°42	0°28	28°25	6°51	13° 4	14° 5	13°29	18° 9	n.a.	F 12
S 13	16 24 20	5°11'18	8♎12	1°13	24°25	11°53	20°53	0°27	28°22	6°53	13° 3	14° 4	13°26	18°16	n.a.	S 13
S 14	16 28 17	6° 8'33	21°54	1°50	23°54	12°29	21° 4	0°27	28°20	6°55	13° 1	14° 0	13°23	18°23	n.a.	S 14
M15	16 32 13	7° 5'48	5♏26	2°23	23°25	13° 5	21°15	0°26	28°18	6°57	13° 0	13°53	13°19	18°29	n.a.	M15
T 16	16 36 10	8° 3'04	18°47	2°53	22°57	13°42	21°26	0°26	28°16	6°59	12°59	13°44	13°16	18°36	n.a.	T 16
W17	16 40 6	9° 0'21	1♐56	3°17	22°31	14°18	21°37	0°25	28°14	7° 1	12°57	13°32	13°13	18°43	n.a.	W17
T 18	16 44 3	9°57'39	14°51	3°38	22° 7	14°55	21°48	0°25	28°12	7° 3	12°56	13°19	13°10	18°49	n.a.	T 18
F 19	16 48 0	10°54'58	27°32	3°54	21°45	15°32	21°59	0°25	28° 9	7° 5	12°55	13° 7	13° 7	18°56	n.a.	F 19
S 20	16 51 56	11°52'18	9♑58	4° 5	21°26	16° 9	22°11	0°D25	28° 7	7° 7	12°53	12°55	13° 3	19° 3	n.a.	S 20
S 21	16 55 53	12°49'39	22°10	4°11	21° 9	16°46	22°22	0°25	28° 5	7° 9	12°52	12°46	13° 0	19° 9	n.a.	S 21
M22	16 59 49	13°47'02	4♒11	4°R12	20°54	17°23	22°33	0°25	28° 3	7°11	12°51	12°39	12°57	19°16	n.a.	M22
T 23	17 3 46	14°44'26	16° 3	4° 7	20°42	18° 0	22°45	0°25	28° 0	7°13	12°50	12°35	12°54	19°23	n.a.	T 23
W24	17 7 42	15°41'52	27°52	3°58	20°32	18°38	22°56	0°26	27°58	7°15	12°48	12°33	12°51	19°29	n.a.	W24
T 25	17 11 39	16°39'19	9♓41	3°43	20°24	19°15	23° 8	0°26	27°56	7°17	12°47	12°32	12°48	19°36	n.a.	T 25
F 26	17 15 35	17°36'47	21°36	3°23	20°19	19°53	23°20	0°27	27°53	7°19	12°46	12°32	12°44	19°43	n.a.	F 26
S 27	17 19 32	18°34'17	3♈43	2°58	20°16	20°30	23°31	0°27	27°51	7°21	12°45	12°31	12°41	19°49	n.a.	S 27
S 28	17 23 29	19°31'49	16° 7	2°28	20°D16	21° 8	23°43	0°28	27°49	7°23	12°44	12°29	12°38	19°56	n.a.	S 28
M29	17 27 25	20°29'22	28°52	1°53	20°18	21°46	23°55	0°29	27°46	7°26	12°43	12°25	12°35	20° 3	n.a.	M29
T 30	17 31 22	21♊26'57	12♉ 2	1♋14	20♉22	22♌24	24♋ 7	0♎30	27♐44	7♋28	12♏41	12♓18	12♓32	20♒ 9	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n 4	11n 1	2n57	24n36	1n 8	19n55	0s59	20n33	1n 9	23n39	1n 7	2n11	2n42	24s20	0s26	23n58	0n14	10s58	5n26	5s56	6s23	18s18		n.a.
T 2	19 18	16 37	3 48	24 33	1 0	19 34	1 13	20 23	1 8	23 38	1 7	2 11	2 42	24 20	0 26	23 57	0 14	10 58	5 26	5 59	6 24	18 15		n.a.
W 3	19 32	21 35	4 28	24 29	0 51	19 13	1 27	20 13	1 7	23 36	1 7	2 12	2 41	24 20	0 26	23 57	0 14	10 57	5 26	6 3	6 26	18 12		n.a.
T 4	19 46	25 31	4 53	24 24	0 42	18 51	1 41	20 3	1 6	23 35	1 7	2 12	2 41	24 20	0 26	23 57	0 14	10 57	5 25	6 7	6 27	18 9		n.a.
F 5	19 59	28 1	5 2	24 18	0 32	18 30	1 55	19 53	1 5	23 33	1 7	2 13	2 41	24 20	0 26	23 57	0 14	10 57	5 25	6 11	6 28	18 6		n.a.
S 6	20 12	28 45	4 52	24 11	0 22	18 8	2 8	19 43	1 4	23 32	1 7	2 13	2 41	24 20	0 26	23 57	0 14	10 56	5 25	6 15	6 29	18 3		n.a.
S 7	20 25	27 34	4 24	24 2	0 12	17 46	2 22	19 32	1 3	23 30	1 7	2 13	2 40	24 20	0 26	23 57	0 14	10 56	5 25	6 18	6 31	18 0		n.a.
M 8	20 38	24 34	3 39	23 53	0 1	17 25	2 35	19 22	1 2	23 29	1 7	2 13	2 40	24 20	0 26	23 57	0 14	10 56	5 25	6 21	6 32	17 58		n.a.
T 9	20 50	20 3	2 41	23 43	0s10	17 4	2 48	19 11	1 0	23 27	1 7	2 14	2 40	24 20	0 26	23 57	0 14	10 55	5 25	6 22	6 33	17 55		n.a.
W10	21 1	14 26	1 33	23 32	0 22	16 44	3 1	19 0	0 59	23 25	1 7	2 14	2 39	24 20	0 26	23 57	0 14	10 55	5 25	6 22	6 34	17 52		n.a.
T 11	21 13	8 6	0 20	23 20	0 33	16 23	3 13	18 49	0 58	23 23	1 7	2 14	2 39	24 20	0 26	23 57	0 14	10 55	5 24	6 22	6 36	17 49		n.a.
F 12	21 24	1 27	0s54	23 8	0 46	16 4	3 24	18 38	0 57	23 22	1 7	2 14	2 39	24 20	0 26	23 57	0 14	10 55	5 24	6 22	6 37	17 46		n.a.
S 13	21 34	5s12	2 4	22 55	0 58	15 45	3 36	18 27	0 56	23 20	1 7	2 14	2 39	24 19	0 26	23 57	0 14	10 54	5 24	6 23	6 38	17 43		n.a.
S 14	21 45	11 33	3 6	22 42	1 11	15 27	3 46	18 16	0 55	23 18	1 7	2 14	2 38	24 19	0 26	23 56	0 14	10 54	5 24	6 25	6 39	17 40		n.a.
M15	21 54	17 16	3 56	22 28	1 24	15 10	3 56	18 4	0 54	23 16	1 6	2 14	2 38	24 19	0 26	23 56	0 14	10 54	5 24	6 27	6 41	17 38		n.a.
T 16	22 4	22 6	4 33	22 14	1 37	14 54	4 6	17 52	0 53	23 15	1 6	2 14	2 38	24 19	0 26	23 56	0 14	10 54	5 24	6 31	6 42	17 35		n.a.
W17	22 13	25 44	4 54	22 0	1 51	14 39	4 15	17 40	0 52	23 13	1 6	2 14	2 38	24 19	0 26	23 56	0 14	10 53	5 23	6 36	6 43	17 32		n.a.
T 18	22 22	27 59	5 0	21 46	2 4	14 24	4 23	17 29	0 51	23 11	1 6	2 14	2 37	24 19	0 27	23 56	0 14	10 53	5 23	6 41	6 44	17 29		n.a.
F 19	22 30	28 43	4 51	21 32	2 18	14 11	4 31	17 16	0 50	23 9	1 6	2 14	2 37	24 19	0 27	23 56	0 14	10 53	5 23	6 45	6 45	17 26		n.a.
S 20	22 38	27 58	4 28	21 19	2 31	13 59	4 39	17 4	0 49	23 7	1 6	2 13	2 37	24 19	0 27	23 56	0 14	10 53	5 23	6 50	6 47	17 23		n.a.
S 21	22 46	25 52	3 53	21 5	2 45	13 48	4 45	16 52	0 48	23 5	1 6	2 13	2 37	24 19	0 27	23 56	0 14	10 53	5 23	6 54	6 48	17 20		n.a.
M22	22 53	22 37	3 8	20 52	2 58	13 39	4 51	16 39	0 47	23 3	1 6	2 13	2 36	24 19	0 27	23 56	0 14	10 52	5 22	6 56	6 49	17 17		n.a.
T 23	23 0	18 28	2 15	20 39	3 11	13 30	4 57	16 27	0 46	23 1	1 6	2 12	2 36	24 19	0 27	23 56	0 14	10 52	5 22	6 58	6 50	17 14		n.a.
W24	23 7	13 39	1 17	20 27	3 23	13 22	5 2	16 14	0 44	22 59	1 6	2 12	2 36	24 19	0 27	23 55	0 14	10 52	5 22	6 59	6 52	17 12		n.a.
T 25	23 13	8 19	0 15	20 16	3 35	13 16	5 6	16 1	0 43	22 57	1 6	2 12	2 35	24 19	0 27	23 55	0 14	10 52	5 22	6 59	6 53	17 9		n.a.
F 26	23 18	2 40	0n48	20 5	3 46	13 11	5 10	15 48	0 42	22 55	1 6	2 11	2 35	24 19	0 27	23 55	0 14	10 52	5 22	6 59	6 54	17 6		n.a.
S 27	23 24	3n11	1 50	19 55	3 57	13 7	5 14	15 35	0 41	22 53	1 6	2 11	2 35	24 19	0 27	23 55	0 14	10 52	5 21	6 59	6 55	17 3		n.a.
S 28	23 28	9 2	2 48	19 46	4 6	13 4	5 17	15 22	0 40	22 51	1 6	2 10	2 35	24 19	0 27	23 55	0 14	10 51	5 21	7 0	6 57	17 0		n.a.
M29	23 33	14 41	3 39	19 39	4 14	13 2	5 19	15 8	0 39	22 49	1 6	2 10	2 34	24 19	0 27	23 55	0 14	10 51	5 21	7 2	6 58	16 57		n.a.
T 30	23n37	19n52	4n21	19n32	4s21	13n 1	5s21	14n55	0n38	22n47	1n 6	2n 9	2n34	24s19	0s27	23n55	0n14	10s51	5n21	7s 5	6s59	16s54		n.a.

Julian Day Number = 1101379.5, Delta T = 11h02m25s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'22, Lahiri = -27°22'21 Julian Calendar 1 June 1698 BCE == Greg. Calendar 18 May 1698 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

JULY 1698 BCE (-1697) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 35 18	22♊24'33	25♉38	0°R31	20♉28	23♌ 2	24♋19	0♎31	27°R41	7♋30	12°R40	12°R 8	12♓28	20♒16	n.a.	W 1
T 2	17 39 15	23°22'11	9♊38	29♊45	20°37	23°40	24°31	0°32	27♐39	7°32	12♏39	11♓57	12°25	20°23	n.a.	T 2
F 3	17 43 11	24°19'51	23°59	28°57	20°47	24°19	24°43	0°33	27°37	7°34	12°38	11°46	12°22	20°29	n.a.	F 3
S 4	17 47 8	25°17'32	8♋36	28° 7	21° 0	24°57	24°55	0°34	27°34	7°36	12°37	11°35	12°19	20°36	n.a.	S 4
S 5	17 51 4	26°15'15	23°19	27°16	21°15	25°36	25° 7	0°35	27°32	7°39	12°36	11°27	12°16	20°43	n.a.	S 5
M 6	17 55 1	27°12'59	8♌ 2	26°26	21°31	26°15	25°19	0°37	27°30	7°41	12°35	11°21	12°13	20°49	n.a.	M 6
T 7	17 58 58	28°10'45	22°38	25°37	21°50	26°53	25°32	0°39	27°27	7°43	12°34	11°18	12° 9	20°56	n.a.	T 7
W 8	18 2 54	29° 8'31	7♍ 2	24°50	22°10	27°32	25°44	0°40	27°25	7°45	12°33	11°D16	12° 6	21° 3	n.a.	W 8
T 9	18 6 51	0♋ 6'19	21°12	24° 7	22°32	28°11	25°56	0°42	27°22	7°47	12°32	11°17	12° 3	21° 9	n.a.	T 9
F 10	18 10 47	1° 4'08	5♎ 7	23°27	22°56	28°50	26° 9	0°44	27°20	7°50	12°31	11°R17	12° 0	21°16	n.a.	F 10
S 11	18 14 44	2° 1'59	18°47	22°53	23°22	29°30	26°21	0°46	27°18	7°52	12°31	11°16	11°57	21°23	n.a.	S 11
S 12	18 18 40	2°59'51	2♏13	22°25	23°49	0♍ 9	26°33	0°48	27°15	7°54	12°30	11°12	11°54	21°29	n.a.	S 12
M13	18 22 37	3°57'44	15°26	22° 3	24°17	0°48	26°46	0°50	27°13	7°56	12°29	11° 7	11°50	21°36	n.a.	M13
T 14	18 26 33	4°55'39	28°26	21°48	24°47	1°28	26°58	0°52	27°10	7°59	12°28	10°58	11°47	21°42	n.a.	T 14
W15	18 30 30	5°53'36	11♐14	21°D41	25°19	2° 7	27°11	0°54	27° 8	8° 1	12°27	10°48	11°44	21°49	n.a.	W15
T 16	18 34 27	6°51'34	23°51	21°41	25°52	2°47	27°24	0°57	27° 6	8° 3	12°27	10°37	11°41	21°56	n.a.	T 16
F 17	18 38 23	7°49'34	6♑16	21°50	26°26	3°27	27°36	0°59	27° 3	8° 5	12°26	10°25	11°38	22° 2	n.a.	F 17
S 18	18 42 20	8°47'36	18°30	22° 7	27° 2	4° 7	27°49	1° 2	27° 1	8° 7	12°25	10°15	11°35	22° 9	n.a.	S 18
S 19	18 46 16	9°45'40	0♒34	22°31	27°39	4°47	28° 2	1° 4	26°59	8°10	12°25	10° 7	11°31	22°16	n.a.	S 19
M20	18 50 13	10°43'46	12°29	23° 4	28°17	5°27	28°14	1° 7	26°56	8°12	12°24	10° 1	11°28	22°22	n.a.	M20
T 21	18 54 9	11°41'54	24°18	23°45	28°56	6° 7	28°27	1°10	26°54	8°14	12°23	9°57	11°25	22°29	n.a.	T 21
W22	18 58 6	12°40'03	6♓ 5	24°34	29°36	6°47	28°40	1°13	26°52	8°16	12°23	9°D56	11°22	22°36	n.a.	W22
T 23	19 2 2	13°38'15	17°53	25°30	0♊18	7°27	28°53	1°16	26°50	8°19	12°22	9°56	11°19	22°42	n.a.	T 23
F 24	19 5 59	14°36'29	29°47	26°34	1° 0	8° 8	29° 5	1°19	26°47	8°21	12°22	9°57	11°15	22°49	n.a.	F 24
S 25	19 9 56	15°34'45	11♈53	27°44	1°44	8°48	29°18	1°22	26°45	8°23	12°21	9°R57	11°12	22°56	n.a.	S 25
S 26	19 13 52	16°33'04	24°15	29° 0	2°28	9°29	29°31	1°25	26°43	8°25	12°21	9°57	11° 9	23° 2	n.a.	S 26
M27	19 17 49	17°31'24	6♉58	0♋22	3°14	10°10	29°44	1°29	26°41	8°27	12°20	9°55	11° 6	23° 9	n.a.	M27
T 28	19 21 45	18°29'47	20° 7	1°49	4° 0	10°50	29°57	1°32	26°39	8°30	12°20	9°51	11° 3	23°16	n.a.	T 28
W29	19 25 42	19°28'13	3♊44	3°21	4°47	11°31	0♌10	1°36	26°36	8°32	12°20	9°45	11° 0	23°22	n.a.	W29
T 30	19 29 38	20°26'40	17°49	4°57	5°35	12°12	0°23	1°39	26°34	8°34	12°19	9°38	10°56	23°29	n.a.	T 30
F 31	19 33 35	21♋25'10	2♋20	6♋37	6♊24	12♍53	0♌36	1♎43	26♐32	8♋36	12♏19	9♓31	10♓53	23♒36	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	23n40	24n12	4n49	19n27	4s27	13n 1	5s23	14n41	0n37	22n44	1n 6	2n 8	2n34	24s19	0s27	23n55	0n14	10s51	5n21	7s 8	7s 0	16s51			n.a.
T 2	23 43	27 16	5 1	19 23	4 30	13 2	5 24	14 27	0 36	22 42	1 6	2 8	2 34	24 19	0 27	23 55	0 14	10 51	5 20	7 12	7 2	16 48			n.a.
F 3	23 46	28 39	4 54	19 21	4 33	13 4	5 25	14 13	0 35	22 40	1 6	2 7	2 33	24 19	0 27	23 54	0 14	10 51	5 20	7 17	7 3	16 45			n.a.
S 4	23 49	28 5	4 29	19 20	4 33	13 7	5 25	13 59	0 34	22 38	1 6	2 6	2 33	24 19	0 27	23 54	0 14	10 51	5 20	7 21	7 4	16 42			n.a.
S 5	23 50	25 32	3 45	19 20	4 32	13 11	5 26	13 45	0 33	22 35	1 6	2 5	2 33	24 19	0 27	23 54	0 14	10 51	5 20	7 24	7 5	16 39			n.a.
M 6	23 52	21 17	2 47	19 22	4 28	13 15	5 25	13 31	0 32	22 33	1 6	2 4	2 32	24 19	0 27	23 54	0 14	10 50	5 19	7 27	7 7	16 36			n.a.
T 7	23 53	15 46	1 37	19 26	4 23	13 20	5 25	13 16	0 31	22 31	1 6	2 4	2 32	24 19	0 27	23 54	0 14	10 50	5 19	7 28	7 8	16 33			n.a.
W 8	23 53	9 26	0 22	19 31	4 16	13 26	5 24	13 2	0 30	22 29	1 6	2 3	2 32	24 19	0 27	23 54	0 14	10 50	5 19	7 28	7 9	16 30			n.a.
T 9	23 54	2 45	0s53	19 38	4 8	13 33	5 23	12 47	0 29	22 26	1 6	2 2	2 32	24 19	0 27	23 54	0 14	10 50	5 19	7 28	7 10	16 27			n.a.
F 10	23 53	3s57	2 3	19 47	3 57	13 40	5 22	12 32	0 28	22 24	1 6	2 1	2 31	24 19	0 27	23 54	0 14	10 50	5 19	7 28	7 11	16 24			n.a.
S 11	23 53	10 21	3 5	19 57	3 46	13 48	5 20	12 18	0 27	22 21	1 6	2 0	2 31	24 19	0 27	23 53	0 14	10 50	5 18	7 29	7 13	16 21			n.a.
S 12	23 52	16 9	3 56	20 8	3 32	13 57	5 18	12 3	0 27	22 19	1 6	1 59	2 31	24 19	0 27	23 53	0 14	10 50	5 18	7 30	7 14	16 18			n.a.
M13	23 50	21 7	4 33	20 21	3 18	14 6	5 16	11 48	0 26	22 16	1 6	1 57	2 31	24 19	0 27	23 53	0 14	10 50	5 18	7 32	7 15	16 15			n.a.
T 14	23 48	24 59	4 56	20 35	3 3	14 15	5 14	11 32	0 25	22 14	1 6	1 56	2 30	24 19	0 27	23 53	0 14	10 50	5 18	7 35	7 16	16 13			n.a.
W15	23 46	27 33	5 3	20 51	2 47	14 25	5 11	11 17	0 24	22 11	1 6	1 55	2 30	24 19	0 27	23 53	0 14	10 50	5 17	7 39	7 18	16 10			n.a.
T 16	23 43	28 40	4 55	21 7	2 31	14 36	5 8	11 2	0 23	22 9	1 6	1 54	2 30	24 18	0 27	23 53	0 14	10 50	5 17	7 44	7 19	16 7			n.a.
F 17	23 39	28 17	4 33	21 25	2 14	14 47	5 5	10 46	0 22	22 6	1 6	1 53	2 30	24 18	0 27	23 53	0 14	10 50	5 17	7 48	7 20	16 4			n.a.
S 18	23 36	26 32	3 59	21 43	1 57	14 58	5 2	10 31	0 21	22 4	1 6	1 51	2 29	24 18	0 27	23 53	0 14	10 50	5 17	7 52	7 21	16 1			n.a.
S 19	23 32	23 34	3 14	22 1	1 40	15 9	4 59	10 15	0 20	22 1	1 6	1 50	2 29	24 18	0 27	23 52	0 14	10 50	5 16	7 55	7 23	15 58			n.a.
M20	23 27	19 38	2 21	22 20	1 23	15 21	4 56	9 59	0 19	21 59	1 6	1 49	2 29	24 18	0 27	23 52	0 14	10 50	5 16	7 58	7 24	15 55			n.a.
T 21	23 22	14 58	1 23	22 39	1 6	15 33	4 52	9 43	0 18	21 56	1 6	1 47	2 28	24 18	0 27	23 52	0 14	10 50	5 16	7 59	7 25	15 52			n.a.
W22	23 17	9 46	0 21	22 58	0 49	15 45	4 48	9 27	0 17	21 53	1 6	1 46	2 28	24 18	0 27	23 52	0 14	10 50	5 16	8 0	7 26	15 48			n.a.
T 23	23 11	4 13	0n43	23 16	0 33	15 58	4 44	9 11	0 16	21 51	1 6	1 45	2 28	24 18	0 27	23 52	0 14	10 50	5 15	7 59	7 27	15 45			n.a.
F 24	23 5	1n31	1 45	23 33	0 18	16 11	4 40	8 55	0 15	21 48	1 6	1 43	2 28	24 18	0 27	23 52	0 14	10 51	5 15	7 59	7 29	15 42			n.a.
S 25	22 58	7 17	2 43	23 49	0 4	16 23	4 36	8 39	0 14	21 45	1 6	1 42	2 27	24 18	0 27	23 52	0 14	10 51	5 15	7 59	7 30	15 39			n.a.
S 26	22 51	12 54	3 35	24 4	0n10	16 36	4 32	8 22	0 13	21 43	1 6	1 40	2 27	24 18	0 27	23 52	0 14	10 51	5 15	7 59	7 31	15 36			n.a.
M27	22 43	18 9	4 19	24 17	0 23	16 49	4 28	8 6	0 13	21 40	1 6	1 38	2 27	24 18	0 27	23 51	0 14	10 51	5 14	8 0	7 32	15 33			n.a.
T 28	22 35	22 45	4 50	24 28	0 36	17 2	4 23	7 49	0 12	21 37	1 6	1 37	2 27	24 18	0 27	23 51	0 14	10 51	5 14	8 1	7 34	15 30			n.a.
W29	22 27	26 18	5 6	24 38	0 47	17 15	4 19	7 32	0 11	21 34	1 6	1 35	2 26	24 18	0 27	23 51	0 14	10 51	5 14	8 3	7 35	15 27			n.a.
T 30	22 18	28 23	5 4	24 45	0 57	17 28	4 14	7 16	0 10	21 31	1 6	1 34	2 26	24 18	0 27	23 51	0 14	10 51	5 14	8 6	7 36	15 24			n.a.
F 31	22n 9	28n36	4n44	24n50	1n 6	17n41	4s10	6n59	0n 9	21n29	1n 6	1n32	2n26	24s18	0s27	23n51	0n14	10s51	5n13	8s 9	7s37	15s21			n.a.

Julian Day Number = 1101409.5, Delta T = 11h02m23s
Ecliptic obliquity = 23°53'40, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'17, Lahiri = -27°22'17 Julian Calendar 1 July 1698 BCE == Greg. Calendar 17 June 1698 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

AUGUST 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 37 31	22♋23'43	17♋10	8♋19	7♊14	13♍35	0♌49	1♎47	26°R30	8♋38	12°R19	9°R23	10♓50	23♒42	n.a.	S 1
S 2	19 41 28	23°22'17	2♌12	10° 5	8° 4	14°16	1° 2	1°51	26♐28	8°41	12♏18	9♓18	10°47	23°49	n.a.	S 2
M 3	19 45 25	24°20'53	17°16	11°52	8°55	14°57	1°15	1°54	26°26	8°43	12°18	9°14	10°44	23°56	n.a.	M 3
T 4	19 49 21	25°19'31	2♍13	13°41	9°47	15°39	1°28	1°58	26°24	8°45	12°18	9°D12	10°41	24° 2	n.a.	T 4
W 5	19 53 18	26°18'11	16°56	15°32	10°39	16°20	1°41	2° 3	26°22	8°47	12°18	9°12	10°37	24° 9	n.a.	W 5
T 6	19 57 14	27°16'53	1♎20	17°23	11°32	17° 2	1°54	2° 7	26°20	8°49	12°18	9°13	10°34	24°16	n.a.	T 6
F 7	20 1 11	28°15'36	15°23	19°15	12°26	17°43	2° 7	2°11	26°18	8°51	12°18	9°14	10°31	24°22	n.a.	F 7
S 8	20 5 7	29°14'22	29° 5	21° 7	13°20	18°25	2°20	2°15	26°16	8°53	12°18	9°R15	10°28	24°29	n.a.	S 8
S 9	20 9 4	0♌13'09	12♏25	23° 0	14°15	19° 7	2°33	2°19	26°14	8°56	12°D18	9°14	10°25	24°35	n.a.	S 9
M10	20 13 0	1°11'58	25°28	24°52	15°10	19°49	2°46	2°24	26°13	8°58	12°18	9°12	10°21	24°42	n.a.	M10
T 11	20 16 57	2°10'50	8♐14	26°44	16° 6	20°31	2°59	2°28	26°11	9° 0	12°18	9° 8	10°18	24°49	n.a.	T 11
W12	20 20 53	3° 9'43	20°47	28°35	17° 2	21°13	3°12	2°33	26° 9	9° 2	12°18	9° 2	10°15	24°55	n.a.	W12
T 13	20 24 50	4° 8'38	3♑ 7	0♌26	17°59	21°55	3°25	2°38	26° 7	9° 4	12°18	8°56	10°12	25° 2	n.a.	T 13
F 14	20 28 47	5° 7'35	15°18	2°17	18°57	22°37	3°39	2°42	26° 6	9° 6	12°18	8°50	10° 9	25° 9	n.a.	F 14
S 15	20 32 43	6° 6'35	27°20	4° 7	19°55	23°20	3°52	2°47	26° 4	9° 8	12°18	8°44	10° 6	25°15	n.a.	S 15
S 16	20 36 40	7° 5'36	9♒15	5°56	20°53	24° 2	4° 5	2°52	26° 2	9°10	12°18	8°40	10° 2	25°22	n.a.	S 16
M17	20 40 36	8° 4'40	21° 6	7°44	21°52	24°45	4°18	2°57	26° 1	9°12	12°18	8°37	9°59	25°29	n.a.	M17
T 18	20 44 33	9° 3'46	2♓53	9°31	22°52	25°27	4°31	3° 2	25°59	9°14	12°19	8°D35	9°56	25°35	n.a.	T 18
W19	20 48 29	10° 2'54	14°40	11°18	23°51	26°10	4°44	3° 7	25°58	9°16	12°19	8°35	9°53	25°42	n.a.	W19
T 20	20 52 26	11° 2'04	26°30	13° 4	24°52	26°53	4°57	3°12	25°56	9°18	12°19	8°36	9°50	25°49	n.a.	T 20
F 21	20 56 22	12° 1'17	8♈26	14°49	25°52	27°35	5°10	3°17	25°55	9°20	12°20	8°38	9°46	25°55	n.a.	F 21
S 22	21 0 19	13° 0'32	20°32	16°33	26°53	28°18	5°23	3°22	25°53	9°22	12°20	8°40	9°43	26° 2	n.a.	S 22
S 23	21 4 15	13°59'50	2♉53	18°16	27°55	29° 1	5°36	3°28	25°52	9°24	12°20	8°41	9°40	26° 9	n.a.	S 23
M24	21 8 12	14°59'10	15°33	19°58	28°57	29°44	5°49	3°33	25°51	9°26	12°21	8°R42	9°37	26°15	n.a.	M24
T 25	21 12 9	15°58'33	28°37	21°40	29°59	0♎27	6° 2	3°38	25°49	9°28	12°21	8°41	9°34	26°22	n.a.	T 25
W26	21 16 5	16°57'59	12♊ 7	23°21	1♋ 1	1°11	6°15	3°44	25°48	9°29	12°22	8°39	9°31	26°29	n.a.	W26
T 27	21 20 2	17°57'27	26° 4	25° 1	2° 4	1°54	6°28	3°49	25°47	9°31	12°22	8°37	9°27	26°35	n.a.	T 27
F 28	21 23 58	18°56'57	10♋29	26°40	3° 7	2°37	6°41	3°55	25°46	9°33	12°23	8°34	9°24	26°42	n.a.	F 28
S 29	21 27 55	19°56'30	25°18	28°18	4°11	3°21	6°54	4° 1	25°45	9°35	12°24	8°32	9°21	26°49	n.a.	S 29
S 30	21 31 51	20°56'05	10♌23	29°56	5°15	4° 4	7° 7	4° 6	25°44	9°37	12°24	8°30	9°18	26°55	n.a.	S 30
M31	21 35 48	21♌55'42	25♌36	1♍33	6♋19	4♎48	7♌20	4♎12	25♐43	9♋38	12♏25	8♓29	9♓15	27♒ 2	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n 0	26n48	4n 4	24n52	1n15	17n54	4s 5	6n42	0n 8	21n26	1n 6	1n30	2n26	24s18	0s27	23n51	0n14	10s52	5n13	8s12	7s39	15s18		n.a.	S 1
S 2	21 50	23 4	3 6	24 52	1 22	18 7	4 0	6 25	0 7	21 23	1 6	1 28	2 26	24 18	0 27	23 51	0 14	10 52	5 13	8 14	7 40	15 15		n.a.	S 2
M 3	21 39	17 47	1 56	24 49	1 29	18 20	3 55	6 8	0 6	21 20	1 6	1 27	2 25	24 17	0 27	23 51	0 14	10 52	5 12	8 16	7 41	15 12		n.a.	M 3
T 4	21 29	11 28	0 38	24 44	1 34	18 33	3 50	5 51	0 5	21 17	1 6	1 25	2 25	24 17	0 27	23 50	0 14	10 52	5 12	8 16	7 42	15 9		n.a.	T 4
W 5	21 17	4 37	0s42	24 36	1 39	18 45	3 45	5 34	0 4	21 14	1 6	1 23	2 25	24 17	0 27	23 50	0 14	10 52	5 12	8 16	7 43	15 6		n.a.	W 5
T 6	21 6	2s20	1 57	24 26	1 42	18 58	3 40	5 16	0 4	21 11	1 6	1 21	2 25	24 17	0 27	23 50	0 14	10 53	5 12	8 16	7 45	15 3		n.a.	T 6
F 7	20 54	8 59	3 4	24 13	1 45	19 10	3 35	4 59	0 3	21 8	1 6	1 19	2 24	24 17	0 27	23 50	0 14	10 53	5 11	8 15	7 46	15 0		n.a.	F 7
S 8	20 42	15 3	3 58	23 58	1 48	19 22	3 30	4 42	0 2	21 5	1 6	1 17	2 24	24 17	0 27	23 50	0 14	10 53	5 11	8 15	7 47	14 57		n.a.	S 8
S 9	20 29	20 15	4 38	23 41	1 49	19 33	3 25	4 24	0 1	21 2	1 6	1 15	2 24	24 17	0 27	23 50	0 15	10 53	5 11	8 15	7 48	14 54		n.a.	S 9
M10	20 16	24 22	5 2	23 22	1 50	19 45	3 19	4 7	0 0	20 59	1 6	1 13	2 24	24 17	0 27	23 50	0 15	10 54	5 11	8 16	7 50	14 51		n.a.	M10
T 11	20 3	27 12	5 11	23 0	1 50	19 56	3 14	3 49	0s 1	20 56	1 6	1 11	2 24	24 17	0 27	23 49	0 15	10 54	5 10	8 18	7 51	14 48		n.a.	T 11
W12	19 49	28 38	5 4	22 37	1 49	20 7	3 9	3 31	0 2	20 53	1 6	1 9	2 23	24 17	0 27	23 49	0 15	10 54	5 10	8 20	7 52	14 44		n.a.	W12
T 13	19 35	28 35	4 44	22 12	1 48	20 18	3 4	3 14	0 2	20 50	1 6	1 7	2 23	24 17	0 27	23 49	0 15	10 54	5 10	8 22	7 53	14 41		n.a.	T 13
F 14	19 21	27 9	4 11	21 45	1 47	20 28	2 58	2 56	0 3	20 47	1 6	1 5	2 23	24 17	0 27	23 49	0 15	10 55	5 10	8 25	7 54	14 38		n.a.	F 14
S 15	19 6	24 28	3 27	21 17	1 45	20 38	2 53	2 38	0 4	20 44	1 7	1 3	2 23	24 17	0 27	23 49	0 15	10 55	5 9	8 27	7 56	14 35		n.a.	S 15
S 16	18 51	20 45	2 34	20 48	1 42	20 47	2 47	2 20	0 5	20 41	1 7	1 1	2 22	24 17	0 27	23 49	0 15	10 55	5 9	8 29	7 57	14 32		n.a.	S 16
M17	18 36	16 13	1 34	20 17	1 39	20 57	2 42	2 2	0 6	20 38	1 7	0 59	2 22	24 17	0 27	23 49	0 15	10 56	5 9	8 30	7 58	14 29		n.a.	M17
T 18	18 20	11 7	0 31	19 45	1 36	21 6	2 37	1 44	0 7	20 35	1 7	0 56	2 22	24 17	0 27	23 49	0 15	10 56	5 9	8 30	7 59	14 26		n.a.	T 18
W19	18 4	5 38	0n33	19 11	1 32	21 14	2 31	1 26	0 7	20 31	1 7	0 54	2 22	24 17	0 27	23 48	0 15	10 56	5 8	8 30	8 1	14 23		n.a.	W19
T 20	17 47	0n 4	1 37	18 37	1 28	21 22	2 26	1 8	0 8	20 28	1 7	0 52	2 22	24 17	0 27	23 48	0 15	10 57	5 8	8 30	8 2	14 20		n.a.	T 20
F 21	17 31	5 48	2 37	18 2	1 24	21 29	2 20	0 50	0 9	20 25	1 7	0 50	2 21	24 16	0 27	23 48	0 15	10 57	5 8	8 29	8 3	14 17		n.a.	F 21
S 22	17 14	11 25	3 31	17 26	1 19	21 37	2 15	0 32	0 10	20 22	1 7	0 47	2 21	24 16	0 27	23 48	0 15	10 57	5 7	8 29	8 4	14 14		n.a.	S 22
S 23	16 56	16 42	4 16	16 49	1 14	21 43	2 9	0 14	0 11	20 19	1 7	0 45	2 21	24 16	0 27	23 48	0 15	10 58	5 7	8 28	8 5	14 10		n.a.	S 23
M24	16 39	21 25	4 50	16 11	1 9	21 49	2 4	0s 4	0 11	20 15	1 7	0 43	2 21	24 16	0 27	23 48	0 15	10 58	5 7	8 28	8 7	14 7		n.a.	M24
T 25	16 21	25 16	5 11	15 33	1 3	21 55	1 59	0 22	0 12	20 12	1 7	0 40	2 21	24 16	0 27	23 48	0 15	10 58	5 7	8 28	8 8	14 4		n.a.	T 25
W26	16 3	27 52	5 15	14 54	0 58	22 0	1 53	0 41	0 13	20 9	1 7	0 38	2 21	24 16	0 27	23 48	0 15	10 59	5 6	8 29	8 9	14 1		n.a.	W26
T 27	15 44	28 51	5 1	14 15	0 52	22 5	1 48	0 59	0 14	20 6	1 7	0 36	2 20	24 16	0 27	23 47	0 15	10 59	5 6	8 30	8 10	13 58		n.a.	T 27
F 28	15 26	27 56	4 28	13 35	0 46	22 9	1 43	1 17	0 15	20 3	1 7	0 33	2 20	24 16	0 27	23 47	0 15	11 0	5 6	8 31	8 12	13 55		n.a.	F 28
S 29	15 7	25 2	3 37	12 54	0 40	22 12	1 37	1 35	0 15	19 59	1 8	0 31	2 20	24 16	0 27	23 47	0 15	11 0	5 6	8 32	8 13	13 52		n.a.	S 29
S 30	14 47	20 22	2 29	12 14	0 33	22 15	1 32	1 54	0 16	19 56	1 8	0 28	2 20	24 16	0 27	23 47	0 15	11 1	5 5	8 32	8 14	13 49		n.a.	S 30
M31	14n28	14n20	1n11	11n33	0n27	22n18	1s27	2s12	0s17	19n53	1n 8	0n26	2n20	24s16	0s27	23n47	0n15	11s 1	5n 5	8s33	8s15	13s45		n.a.	M31

Julian Day Number = 1101440.5, Delta T = 11h02m21s
Ecliptic obliquity = 23°53'40, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'13, Lahiri = -27°22'13 Julian Calendar 1 Aug. 1698 BCE == Greg. Calendar 18 July 1698 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

SEPTEMBER 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 39 44	22♌55'22	10♍47	3♍ 9	7♋24	5♎31	7♌33	4♎18	25°R42	9♋40	12♏26	8°D28	9♓12	27♒ 8	n.a.	T 1
W 2	21 43 41	23°55'03	25°47	4°45	8°28	6°15	7°45	4°24	25♐41	9°42	12°26	8♓29	9° 8	27°15	n.a.	W 2
T 3	21 47 38	24°54'47	10♎28	6°19	9°33	6°59	7°58	4°29	25°40	9°44	12°27	8°30	9° 5	27°22	n.a.	T 3
F 4	21 51 34	25°54'32	24°45	7°54	10°39	7°43	8°11	4°35	25°39	9°45	12°28	8°31	9° 2	27°28	n.a.	F 4
S 5	21 55 31	26°54'19	8♏36	9°27	11°44	8°27	8°24	4°41	25°38	9°47	12°29	8°32	8°59	27°35	n.a.	S 5
S 6	21 59 27	27°54'08	22° 2	11° 0	12°50	9°11	8°36	4°47	25°37	9°49	12°29	8°R32	8°56	27°42	n.a.	S 6
M 7	22 3 24	28°54'00	5♐ 4	12°32	13°56	9°55	8°49	4°54	25°37	9°50	12°30	8°32	8°52	27°48	n.a.	M 7
T 8	22 7 20	29°53'52	17°46	14° 4	15° 2	10°39	9° 2	5° 0	25°36	9°52	12°31	8°32	8°49	27°55	n.a.	T 8
W 9	22 11 17	0♍53'47	0♑10	15°35	16° 9	11°23	9°14	5° 6	25°36	9°53	12°32	8°31	8°46	28° 2	n.a.	W 9
T 10	22 15 13	1°53'44	12°20	17° 5	17°16	12° 7	9°27	5°12	25°35	9°55	12°33	8°30	8°43	28° 8	n.a.	T 10
F 11	22 19 10	2°53'42	24°21	18°35	18°23	12°52	9°40	5°18	25°35	9°56	12°34	8°29	8°40	28°15	n.a.	F 11
S 12	22 23 6	3°53'43	6♒15	20° 4	19°30	13°36	9°52	5°25	25°34	9°58	12°35	8°28	8°37	28°22	n.a.	S 12
S 13	22 27 3	4°53'45	18° 4	21°32	20°38	14°21	10° 5	5°31	25°34	9°59	12°36	8°28	8°33	28°28	n.a.	S 13
M14	22 31 0	5°53'49	29°52	23° 0	21°45	15° 5	10°17	5°37	25°33	10° 1	12°37	8°28	8°30	28°35	n.a.	M14
T 15	22 34 56	6°53'56	11♓41	24°27	22°53	15°50	10°29	5°44	25°33	10° 2	12°38	8°D28	8°27	28°42	n.a.	T 15
W16	22 38 53	7°54'04	23°32	25°53	24° 1	16°34	10°42	5°50	25°33	10° 4	12°40	8°28	8°24	28°48	n.a.	W16
T 17	22 42 49	8°54'14	5♈28	27°19	25°10	17°19	10°54	5°57	25°33	10° 5	12°41	8°R28	8°21	28°55	n.a.	T 17
F 18	22 46 46	9°54'27	17°32	28°44	26°18	18° 4	11° 6	6° 3	25°32	10° 6	12°42	8°28	8°18	29° 1	n.a.	F 18
S 19	22 50 42	10°54'41	29°45	0♎ 8	27°27	18°49	11°19	6°10	25°32	10° 8	12°43	8°27	8°14	29° 8	n.a.	S 19
S 20	22 54 39	11°54'58	12♉11	1°32	28°36	19°34	11°31	6°16	25°D32	10° 9	12°44	8°27	8°11	29°15	n.a.	S 20
M21	22 58 35	12°55'17	24°52	2°54	29°45	20°19	11°43	6°23	25°32	10°10	12°46	8°27	8° 8	29°21	n.a.	M21
T 22	23 2 32	13°55'38	7♊53	4°16	0♌54	21° 4	11°55	6°29	25°32	10°11	12°47	8°D27	8° 5	29°28	n.a.	T 22
W23	23 6 28	14°56'01	21°15	5°36	2° 4	21°49	12° 7	6°36	25°32	10°12	12°48	8°27	8° 2	29°35	n.a.	W23
T 24	23 10 25	15°56'27	5♋ 0	6°56	3°14	22°34	12°19	6°43	25°33	10°14	12°50	8°27	7°58	29°41	n.a.	T 24
F 25	23 14 22	16°56'55	19°10	8°14	4°23	23°19	12°31	6°49	25°33	10°15	12°51	8°27	7°55	29°48	n.a.	F 25
S 26	23 18 18	17°57'25	3♌42	9°31	5°33	24° 4	12°43	6°56	25°33	10°16	12°52	8°28	7°52	29°55	n.a.	S 26
S 27	23 22 15	18°57'56	18°33	10°47	6°44	24°50	12°54	7° 3	25°33	10°17	12°54	8°29	7°49	0♓ 1	n.a.	S 27
M28	23 26 11	19°58'30	3♍37	12° 0	7°54	25°35	13° 6	7°10	25°34	10°18	12°55	8°R29	7°46	0° 8	n.a.	M28
T 29	23 30 8	20°59'05	18°45	13°12	9° 4	26°20	13°18	7°17	25°34	10°19	12°57	8°29	7°43	0°15	n.a.	T 29
W30	23 34 4	21♍59'43	3♎49	14♎22	10♌15	27♎ 6	13♌29	7♎23	25♐35	10♋20	12♏58	8♓29	7♓39	0♓21	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n 8	7n28	0s13	10n52	0n21	22n20	1s21	2s30	0s18	19n50	1n 8	0n23	2n20	24s16	0s27	23n47	0n15	11s 1	5n 5	8s33	8s16	13s42		n.a.
W 2	13 48	0 16	1 34	10 10	0 14	22 21	1 16	2 49	0 19	19 46	1 8	0 21	2 19	24 16	0 27	23 47	0 15	11 2	5 5	8 33	8 18	13 39		n.a.
T 3	13 28	6s47	2 48	9 28	0 7	22 22	1 11	3 7	0 19	19 43	1 8	0 18	2 19	24 16	0 27	23 47	0 15	11 2	5 4	8 32	8 19	13 36		n.a.
F 4	13 7	13 18	3 49	8 47	0 1	22 22	1 6	3 25	0 20	19 40	1 8	0 16	2 19	24 16	0 27	23 47	0 15	11 3	5 4	8 32	8 20	13 33		n.a.
S 5	12 47	18 58	4 35	8 5	0s 6	22 21	1 1	3 44	0 21	19 36	1 8	0 13	2 19	24 16	0 26	23 47	0 15	11 3	5 4	8 32	8 21	13 30		n.a.
S 6	12 26	23 31	5 4	7 23	0 13	22 20	0 56	4 2	0 22	19 33	1 8	0 11	2 19	24 16	0 26	23 46	0 15	11 4	5 4	8 31	8 22	13 27		n.a.
M 7	12 5	26 44	5 17	6 41	0 20	22 18	0 51	4 20	0 22	19 30	1 8	0 8	2 19	24 16	0 26	23 46	0 15	11 4	5 3	8 31	8 24	13 23		n.a.
T 8	11 43	28 31	5 13	5 59	0 27	22 16	0 46	4 39	0 23	19 26	1 9	0 5	2 19	24 16	0 26	23 46	0 15	11 5	5 3	8 32	8 25	13 20		n.a.
W 9	11 22	28 49	4 55	5 16	0 34	22 13	0 41	4 57	0 24	19 23	1 9	0 3	2 18	24 16	0 26	23 46	0 15	11 5	5 3	8 32	8 26	13 17		n.a.
T 10	11 0	27 41	4 24	4 35	0 41	22 10	0 36	5 15	0 24	19 20	1 9	0 0	2 18	24 16	0 26	23 46	0 15	11 6	5 3	8 32	8 27	13 14		n.a.
F 11	10 38	25 17	3 41	3 53	0 47	22 5	0 31	5 34	0 25	19 16	1 9	0s 2	2 18	24 16	0 26	23 46	0 15	11 7	5 2	8 33	8 29	13 11		n.a.
S 12	10 16	21 48	2 50	3 11	0 54	22 1	0 26	5 52	0 26	19 13	1 9	0 5	2 18	24 16	0 26	23 46	0 15	11 7	5 2	8 33	8 30	13 8		n.a.
S 13	9 54	17 28	1 51	2 29	1 1	21 55	0 22	6 10	0 27	19 10	1 9	0 8	2 18	24 15	0 26	23 46	0 15	11 8	5 2	8 33	8 31	13 4		n.a.
M14	9 31	12 28	0 48	1 48	1 8	21 49	0 17	6 28	0 27	19 7	1 9	0 10	2 18	24 15	0 26	23 46	0 15	11 8	5 2	8 33	8 32	13 1		n.a.
T 15	9 9	7 2	0n18	1 7	1 14	21 42	0 13	6 46	0 28	19 3	1 9	0 13	2 18	24 15	0 26	23 46	0 15	11 9	5 1	8 33	8 33	12 58		n.a.
W16	8 46	1 21	1 23	0 26	1 21	21 35	0 8	7 5	0 29	19 0	1 10	0 16	2 17	24 15	0 26	23 45	0 15	11 9	5 1	8 33	8 35	12 55		n.a.
T 17	8 23	4n25	2 25	0s15	1 27	21 27	0 4	7 23	0 29	18 57	1 10	0 18	2 17	24 15	0 26	23 45	0 15	11 10	5 1	8 33	8 36	12 52		n.a.
F 18	8 0	10 5	3 21	0 55	1 34	21 18	0n 1	7 41	0 30	18 53	1 10	0 21	2 17	24 15	0 26	23 45	0 15	11 11	5 1	8 33	8 37	12 49		n.a.
S 19	7 37	15 27	4 8	1 35	1 40	21 9	0 5	7 59	0 31	18 50	1 10	0 24	2 17	24 15	0 26	23 45	0 15	11 11	5 0	8 33	8 38	12 45		n.a.
S 20	7 13	20 17	4 45	2 14	1 46	20 59	0 9	8 17	0 31	18 47	1 10	0 27	2 17	24 15	0 26	23 45	0 15	11 12	5 0	8 33	8 39	12 42		n.a.
M21	6 50	24 20	5 9	2 53	1 52	20 49	0 14	8 35	0 32	18 43	1 10	0 29	2 17	24 15	0 26	23 45	0 15	11 12	5 0	8 33	8 41	12 39		n.a.
T 22	6 26	27 16	5 18	3 31	1 58	20 38	0 18	8 52	0 33	18 40	1 10	0 32	2 17	24 15	0 26	23 45	0 15	11 13	5 0	8 34	8 42	12 36		n.a.
W23	6 3	28 45	5 10	4 9	2 3	20 26	0 22	9 10	0 33	18 37	1 11	0 35	2 17	24 15	0 26	23 45	0 15	11 14	4 59	8 34	8 43	12 33		n.a.
T 24	5 39	28 32	4 44	4 46	2 9	20 13	0 26	9 28	0 34	18 33	1 11	0 38	2 17	24 15	0 26	23 45	0 15	11 14	4 59	8 33	8 44	12 29		n.a.
F 25	5 15	26 28	4 1	5 22	2 14	20 0	0 30	9 46	0 35	18 30	1 11	0 41	2 17	24 15	0 26	23 45	0 15	11 15	4 59	8 33	8 45	12 26		n.a.
S 26	4 51	22 38	3 1	5 57	2 18	19 47	0 33	10 3	0 35	18 27	1 11	0 43	2 16	24 15	0 26	23 45	0 15	11 15	4 59	8 33	8 47	12 23		n.a.
S 27	4 27	17 16	1 48	6 32	2 23	19 33	0 37	10 21	0 36	18 24	1 11	0 46	2 16	24 15	0 26	23 45	0 15	11 16	4 58	8 33	8 48	12 20		n.a.
M28	4 3	10 47	0 27	7 5	2 27	19 18	0 41	10 39	0 37	18 20	1 11	0 49	2 16	24 15	0 26	23 45	0 15	11 17	4 58	8 32	8 49	12 17		n.a.
T 29	3 38	3 40	0s57	7 37	2 31	19 3	0 44	10 56	0 37	18 17	1 11	0 52	2 16	24 15	0 26	23 45	0 15	11 17	4 58	8 32	8 50	12 13		n.a.
W30	3n14	3s37	2s16	8s 8	2s34	18n47	0n48	11s13	0s38	18n14	1n12	0s55	2n16	24s15	0s26	23n44	0n15	11s18	4n58	8s33	8s51	12s10		n.a.

Julian Day Number = 1101471.5, Delta T = 11h02m19s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'09, Lahiri = -27°22'09 Julian Calendar 1 Sept. 1698 BCE == Greg. Calendar 18 Aug. 1698 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

OCTOBER 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 38 1	23♍ 0'21	18♎39	15♎30	11♌26	27♎51	13♌41	7♎30	25♐35	10♋21	13♏ 0	8°R27	7♓36	0♓28	n.a.	T 1
F 2	23 41 57	24° 1'02	3♏ 8	16°35	12°36	28°37	13°52	7°37	25°36	10°22	13° 1	8♓25	7°33	0°35	n.a.	F 2
S 3	23 45 54	25° 1'44	17°11	17°37	13°47	29°23	14° 4	7°44	25°36	10°23	13° 3	8°23	7°30	0°41	n.a.	S 3
S 4	23 49 51	26° 2'27	0♐47	18°36	14°59	0♏ 8	14°15	7°51	25°37	10°23	13° 5	8°21	7°27	0°48	n.a.	S 4
M 5	23 53 47	27° 3'11	13°55	19°31	16°10	0°54	14°26	7°58	25°38	10°24	13° 6	8°19	7°23	0°54	n.a.	M 5
T 6	23 57 44	28° 3'57	26°39	20°22	17°21	1°40	14°37	8° 5	25°39	10°25	13° 8	8°D19	7°20	1° 1	n.a.	T 6
W 7	0 1 40	29° 4'45	9♑ 2	21° 8	18°33	2°26	14°48	8°12	25°39	10°26	13° 9	8°19	7°17	1° 8	n.a.	W 7
T 8	0 5 37	0♒ 5'33	21°10	21°49	19°44	3°12	14°59	8°19	25°40	10°26	13°11	8°20	7°14	1°14	n.a.	T 8
F 9	0 9 33	1° 6'23	3♒ 6	22°24	20°56	3°58	15°10	8°26	25°41	10°27	13°13	8°22	7°11	1°21	n.a.	F 9
S 10	0 13 30	2° 7'13	14°55	22°52	22° 8	4°44	15°21	8°33	25°42	10°28	13°15	8°24	7° 8	1°28	n.a.	S 10
S 11	0 17 26	3° 8'05	26°42	23°12	23°20	5°30	15°32	8°40	25°43	10°28	13°16	8°25	7° 4	1°34	n.a.	S 11
M12	0 21 23	4° 8'58	8♓30	23°25	24°32	6°16	15°43	8°47	25°44	10°29	13°18	8°R26	7° 1	1°41	n.a.	M12
T 13	0 25 20	5° 9'53	20°23	23°R28	25°44	7° 2	15°53	8°54	25°45	10°30	13°20	8°25	6°58	1°48	n.a.	T 13
W14	0 29 16	6°10'48	2♈22	23°22	26°56	7°48	16° 4	9° 1	25°47	10°30	13°22	8°23	6°55	1°54	n.a.	W14
T 15	0 33 13	7°11'45	14°29	23° 5	28° 9	8°34	16°14	9° 8	25°48	10°31	13°23	8°19	6°52	2° 1	n.a.	T 15
F 16	0 37 9	8°12'43	26°46	22°38	29°21	9°21	16°24	9°15	25°49	10°31	13°25	8°15	6°49	2° 8	n.a.	F 16
S 17	0 41 6	9°13'43	9♉14	22° 0	0♍34	10° 7	16°35	9°22	25°50	10°31	13°27	8° 9	6°45	2°14	n.a.	S 17
S 18	0 45 2	10°14'44	21°55	21°11	1°46	10°53	16°45	9°29	25°52	10°32	13°29	8° 4	6°42	2°21	n.a.	S 18
M19	0 48 59	11°15'46	4♊48	20°12	2°59	11°40	16°55	9°36	25°53	10°32	13°31	7°58	6°39	2°27	n.a.	M19
T 20	0 52 55	12°16'49	17°55	19° 4	4°12	12°26	17° 5	9°43	25°55	10°32	13°33	7°55	6°36	2°34	n.a.	T 20
W21	0 56 52	13°17'54	1♋17	17°48	5°25	13°12	17°15	9°50	25°56	10°33	13°35	7°52	6°33	2°41	n.a.	W21
T 22	1 0 49	14°19'01	14°55	16°28	6°38	13°59	17°24	9°57	25°58	10°33	13°37	7°D51	6°29	2°47	n.a.	T 22
F 23	1 4 45	15°20'08	28°51	15° 6	7°51	14°45	17°34	10° 4	25°59	10°33	13°39	7°52	6°26	2°54	n.a.	F 23
S 24	1 8 42	16°21'17	13♌ 3	13°43	9° 4	15°32	17°43	10°11	26° 1	10°33	13°41	7°54	6°23	3° 1	n.a.	S 24
S 25	1 12 38	17°22'27	27°32	12°24	10°17	16°19	17°53	10°18	26° 3	10°33	13°43	7°55	6°20	3° 7	n.a.	S 25
M26	1 16 35	18°23'38	12♍13	11°11	11°31	17° 5	18° 2	10°25	26° 5	10°34	13°45	7°R55	6°17	3°14	n.a.	M26
T 27	1 20 31	19°24'50	27° 1	10° 6	12°44	17°52	18°11	10°31	26° 6	10°34	13°47	7°54	6°14	3°21	n.a.	T 27
W28	1 24 28	20°26'03	11♎50	9°10	13°57	18°39	18°20	10°38	26° 8	10°R34	13°49	7°50	6°10	3°27	n.a.	W28
T 29	1 28 24	21°27'17	26°32	8°25	15°11	19°25	18°29	10°45	26°10	10°34	13°51	7°44	6° 7	3°34	n.a.	T 29
F 30	1 32 21	22°28'32	10♏59	7°51	16°24	20°12	18°38	10°52	26°12	10°34	13°53	7°37	6° 4	3°41	n.a.	F 30
S 31	1 36 18	23♎29'47	25♏ 5	7♎28	17♍38	20♏59	18♌47	10♎59	26♐14	10♋33	13♏55	7♓29	6♓ 1	3♓47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	2n50	10s35	3s25	8s37	2s37	18n30	0n51	11s31	0s39	18n11	1n12	0s57	2n16	24s15	0s26	23n44	0n16	11s19	4n58	8s33	8s53	12s 7			n.a.
F 2	2 25	16 49	4 18	9 5	2 39	18 13	0 55	11 48	0 39	18 7	1 12	1 0	2 16	24 15	0 26	23 44	0 16	11 19	4 57	8 34	8 54	12 4			n.a.
S 3	2 1	21 59	4 55	9 31	2 41	17 55	0 58	12 5	0 40	18 4	1 12	1 3	2 16	24 15	0 26	23 44	0 16	11 20	4 57	8 35	8 55	12 1			n.a.
S 4	1 36	25 48	5 13	9 55	2 42	17 37	1 1	12 22	0 40	18 1	1 12	1 6	2 16	24 15	0 26	23 44	0 16	11 21	4 57	8 36	8 56	11 57			n.a.
M 5	1 12	28 7	5 15	10 17	2 43	17 19	1 4	12 39	0 41	17 58	1 13	1 9	2 16	24 15	0 26	23 44	0 16	11 21	4 57	8 36	8 58	11 54			n.a.
T 6	0 47	28 51	5 0	10 36	2 42	16 59	1 7	12 56	0 42	17 55	1 13	1 11	2 16	24 15	0 26	23 44	0 16	11 22	4 56	8 36	8 59	11 51			n.a.
W 7	0 22	28 6	4 32	10 53	2 41	16 40	1 10	13 12	0 42	17 52	1 13	1 14	2 16	24 15	0 26	23 44	0 16	11 23	4 56	8 36	9 0	11 48			n.a.
T 8	0s 2	26 1	3 52	11 6	2 39	16 19	1 13	13 29	0 43	17 48	1 13	1 17	2 16	24 15	0 26	23 44	0 16	11 24	4 56	8 36	9 1	11 44			n.a.
F 9	0 27	22 48	3 3	11 16	2 36	15 59	1 15	13 45	0 43	17 45	1 13	1 20	2 16	24 15	0 26	23 44	0 16	11 24	4 56	8 35	9 2	11 41			n.a.
S 10	0 52	18 40	2 6	11 23	2 31	15 38	1 18	14 2	0 44	17 42	1 13	1 23	2 16	24 15	0 26	23 44	0 16	11 25	4 56	8 35	9 4	11 38			n.a.
S 11	1 16	13 51	1 4	11 26	2 25	15 16	1 21	14 18	0 45	17 39	1 14	1 26	2 15	24 15	0 26	23 44	0 16	11 26	4 55	8 34	9 5	11 35			n.a.
M12	1 41	8 32	0n 0	11 24	2 18	14 54	1 23	14 34	0 45	17 36	1 14	1 28	2 15	24 15	0 26	23 44	0 16	11 26	4 55	8 34	9 6	11 31			n.a.
T 13	2 5	2 53	1 5	11 17	2 10	14 31	1 25	14 50	0 46	17 33	1 14	1 31	2 15	24 15	0 26	23 44	0 16	11 27	4 55	8 34	9 7	11 28			n.a.
W14	2 30	2n54	2 8	11 5	2 0	14 8	1 28	15 6	0 46	17 30	1 14	1 34	2 15	24 15	0 26	23 44	0 16	11 28	4 55	8 35	9 8	11 25			n.a.
T 15	2 54	8 39	3 5	10 48	1 48	13 45	1 30	15 22	0 47	17 27	1 14	1 37	2 15	24 15	0 26	23 44	0 16	11 29	4 55	8 36	9 10	11 22			n.a.
F 16	3 19	14 8	3 54	10 25	1 34	13 21	1 32	15 37	0 47	17 24	1 15	1 40	2 15	24 16	0 26	23 44	0 16	11 29	4 54	8 38	9 11	11 19			n.a.
S 17	3 43	19 9	4 33	9 57	1 19	12 56	1 34	15 53	0 48	17 21	1 15	1 43	2 15	24 16	0 26	23 44	0 16	11 30	4 54	8 40	9 12	11 15			n.a.
S 18	4 8	23 24	5 0	9 22	1 2	12 32	1 36	16 8	0 48	17 18	1 15	1 45	2 15	24 16	0 26	23 44	0 16	11 31	4 54	8 42	9 13	11 12			n.a.
M19	4 32	26 36	5 11	8 43	0 44	12 7	1 37	16 23	0 49	17 15	1 15	1 48	2 15	24 16	0 26	23 44	0 16	11 32	4 54	8 44	9 14	11 9			n.a.
T 20	4 57	28 26	5 7	7 59	0 25	11 41	1 39	16 39	0 49	17 13	1 15	1 51	2 15	24 16	0 26	23 44	0 16	11 32	4 54	8 46	9 16	11 6			n.a.
W21	5 21	28 40	4 46	7 11	0 4	11 15	1 41	16 53	0 50	17 10	1 16	1 54	2 15	24 16	0 26	23 44	0 16	11 33	4 54	8 47	9 17	11 2			n.a.
T 22	5 45	27 10	4 9	6 21	0n16	10 49	1 42	17 8	0 50	17 7	1 16	1 57	2 15	24 16	0 26	23 44	0 16	11 34	4 53	8 47	9 18	10 59			n.a.
F 23	6 9	23 59	3 17	5 29	0 37	10 23	1 43	17 23	0 51	17 4	1 16	1 59	2 15	24 16	0 26	23 44	0 16	11 34	4 53	8 47	9 19	10 56			n.a.
S 24	6 33	19 19	2 11	4 39	0 57	9 56	1 45	17 37	0 51	17 1	1 16	2 2	2 15	24 16	0 26	23 44	0 16	11 35	4 53	8 46	9 20	10 52			n.a.
S 25	6 57	13 26	0 56	3 50	1 16	9 29	1 46	17 51	0 52	16 59	1 17	2 5	2 15	24 16	0 26	23 44	0 16	11 36	4 53	8 46	9 21	10 49			n.a.
M26	7 21	6 45	0s23	3 5	1 33	9 2	1 47	18 5	0 52	16 56	1 17	2 8	2 15	24 16	0 26	23 44	0 16	11 37	4 53	8 46	9 23	10 46			n.a.
T 27	7 44	0s21	1 42	2 25	1 49	8 34	1 48	18 19	0 53	16 53	1 17	2 11	2 15	24 16	0 26	23 44	0 16	11 37	4 53	8 46	9 24	10 43			n.a.
W28	8 8	7 25	2 53	1 50	2 2	8 6	1 49	18 33	0 53	16 51	1 17	2 13	2 15	24 16	0 26	23 44	0 16	11 38	4 52	8 47	9 25	10 39			n.a.
T 29	8 31	14 2	3 53	1 21	2 14	7 38	1 50	18 47	0 54	16 48	1 18	2 16	2 15	24 16	0 26	23 44	0 16	11 39	4 52	8 50	9 26	10 36			n.a.
F 30	8 54	19 46	4 36	0 59	2 23	7 9	1 51	19 0	0 54	16 45	1 18	2 19	2 15	24 16	0 26	23 44	0 16	11 40	4 52	8 52	9 27	10 33			n.a.
S 31	9s18	24s16	5s 1	0s43	2n31	6n41	1n51	19s13	0s54	16n43	1n18	2s22	2n15	24s16	0s26	23n44	0n16	11s41	4n52	8s55	9s29	10s30			n.a.

Julian Day Number = 1101501.5, Delta T = 11h02m18s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'05, Lahiri = -27°22'05 Julian Calendar 1 Oct. 1698 BCE == Greg. Calendar 17 Sept. 1698 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

NOVEMBER 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 40 14	24♎31'03	8♐46	7°R17	18♍52	21♏46	18♌56	11♎ 6	26♐16	10°R33	13♏57	7°R22	5♓58	3♓54	n.a.	S 1
M 2	1 44 11	25°32'19	22° 1	7°D16	20° 5	22°33	19° 4	11°13	26°18	10♋33	13°59	7♓15	5°55	4° 1	n.a.	M 2
T 3	1 48 7	26°33'36	4♉50	7♎24	21°19	23°20	19°12	11°20	26°20	10°33	14° 1	7°10	5°51	4° 7	n.a.	T 3
W 4	1 52 4	27°34'53	17°16	7°42	22°33	24° 7	19°21	11°27	26°22	10°33	14° 3	7° 8	5°48	4°14	n.a.	W 4
T 5	1 56 0	28°36'10	29°25	8° 8	23°47	24°54	19°29	11°33	26°24	10°33	14° 5	7°D 7	5°45	4°20	n.a.	T 5
F 6	1 59 57	29°37'27	11♒21	8°41	25° 1	25°40	19°37	11°40	26°27	10°32	14° 7	7° 8	5°42	4°27	n.a.	F 6
S 7	2 3 54	0♏38'44	23°10	9°21	26°15	26°27	19°45	11°47	26°29	10°32	14° 9	7° 9	5°39	4°34	n.a.	S 7
S 8	2 7 50	1°40'02	4♓57	10° 7	27°29	27°14	19°52	11°54	26°31	10°32	14°11	7°R10	5°35	4°40	n.a.	S 8
M 9	2 11 47	2°41'19	16°46	10°58	28°43	28° 2	20° 0	12° 1	26°34	10°31	14°14	7° 9	5°32	4°47	n.a.	M 9
T 10	2 15 43	3°42'37	28°43	11°54	29°57	28°49	20° 7	12° 7	26°36	10°31	14°16	7° 7	5°29	4°54	n.a.	T 10
W11	2 19 40	4°43'54	10♈50	12°54	1♎11	29°36	20°15	12°14	26°38	10°30	14°18	7° 1	5°26	5° 0	n.a.	W11
T 12	2 23 36	5°45'12	23°10	13°57	2°25	0♐23	20°22	12°21	26°41	10°30	14°20	6°54	5°23	5° 7	n.a.	T 12
F 13	2 27 33	6°46'30	5♉44	15° 3	3°39	1°10	20°29	12°27	26°43	10°29	14°22	6°44	5°20	5°14	n.a.	F 13
S 14	2 31 29	7°47'48	18°32	16°13	4°53	1°57	20°36	12°34	26°46	10°29	14°24	6°33	5°16	5°20	n.a.	S 14
S 15	2 35 26	8°49'06	1♊34	17°24	6° 7	2°44	20°42	12°40	26°48	10°28	14°26	6°21	5°13	5°27	n.a.	S 15
M16	2 39 23	9°50'25	14°49	18°38	7°22	3°31	20°49	12°47	26°51	10°28	14°29	6°10	5°10	5°34	n.a.	M16
T 17	2 43 19	10°51'44	28°14	19°54	8°36	4°19	20°56	12°53	26°54	10°27	14°31	6° 1	5° 7	5°40	n.a.	T 17
W18	2 47 16	11°53'03	11♋50	21°11	9°50	5° 6	21° 2	13° 0	26°56	10°26	14°33	5°55	5° 4	5°47	n.a.	W18
T 19	2 51 12	12°54'22	25°34	22°30	11° 5	5°53	21° 8	13° 6	26°59	10°26	14°35	5°51	5° 1	5°54	n.a.	T 19
F 20	2 55 9	13°55'41	9♌27	23°50	12°19	6°40	21°14	13°12	27° 2	10°25	14°37	5°D50	4°57	6° 0	n.a.	F 20
S 21	2 59 5	14°57'00	23°29	25°11	13°34	7°27	21°20	13°19	27° 4	10°24	14°39	5°50	4°54	6° 7	n.a.	S 21
S 22	3 3 2	15°58'19	7♍39	26°34	14°48	8°15	21°25	13°25	27° 7	10°23	14°42	5°R50	4°51	6°13	n.a.	S 22
M23	3 6 59	16°59'39	21°55	27°57	16° 2	9° 2	21°31	13°31	27°10	10°23	14°44	5°49	4°48	6°20	n.a.	M23
T 24	3 10 55	18° 0'58	6♎17	29°22	17°17	9°49	21°36	13°38	27°13	10°22	14°46	5°46	4°45	6°27	n.a.	T 24
W25	3 14 52	19° 2'17	20°39	0♏47	18°31	10°37	21°41	13°44	27°16	10°21	14°48	5°40	4°41	6°33	n.a.	W25
T 26	3 18 48	20° 3'36	4♏58	2°13	19°46	11°24	21°47	13°50	27°19	10°20	14°50	5°31	4°38	6°40	n.a.	T 26
F 27	3 22 45	21° 4'55	19° 7	3°39	21° 1	12°11	21°51	13°56	27°22	10°19	14°52	5°19	4°35	6°47	n.a.	F 27
S 28	3 26 41	22° 6'13	3♐ 1	5° 6	22°15	12°58	21°56	14° 2	27°25	10°18	14°55	5° 7	4°32	6°53	n.a.	S 28
S 29	3 30 38	23° 7'31	16°35	6°34	23°30	13°46	22° 1	14° 8	27°28	10°17	14°57	4°54	4°29	7° 0	n.a.	S 29
M30	3 34 35	24♏ 8'49	29♐47	8♏ 3	24♎44	14♐33	22♌ 5	14♎14	27♐31	10♋16	14♏59	4♓43	4♓26	7♓ 7	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s41	27s15	5s 8	0s33	2n36	6n12	1n52	19s26	0s55	16n40	1n18	2s24	2n15	24s16	0s26	23n44	0n16	11s41	4n52	8s58	9s30	10s26		n.a.
M 2	10 3	28 37	4 58	0 29	2 40	5 43	1 52	19 39	0 55	16 38	1 19	2 27	2 15	24 16	0 26	23 44	0 16	11 42	4 52	9 1	9 31	10 23		n.a.
T 3	10 26	28 21	4 33	0 31	2 43	5 13	1 53	19 51	0 56	16 35	1 19	2 30	2 15	24 16	0 26	23 44	0 16	11 43	4 52	9 2	9 32	10 20		n.a.
W 4	10 49	26 39	3 56	0 37	2 43	4 44	1 53	20 4	0 56	16 33	1 19	2 32	2 15	24 16	0 26	23 44	0 16	11 44	4 51	9 3	9 33	10 16		n.a.
T 5	11 11	23 44	3 9	0 48	2 43	4 14	1 53	20 16	0 57	16 31	1 19	2 35	2 15	24 16	0 26	23 44	0 16	11 44	4 51	9 4	9 35	10 13		n.a.
F 6	11 33	19 51	2 14	1 3	2 41	3 45	1 53	20 28	0 57	16 28	1 20	2 38	2 16	24 16	0 26	23 44	0 16	11 45	4 51	9 3	9 36	10 10		n.a.
S 7	11 55	15 14	1 15	1 21	2 39	3 15	1 53	20 40	0 57	16 26	1 20	2 40	2 16	24 16	0 26	23 44	0 16	11 46	4 51	9 3	9 37	10 7		n.a.
S 8	12 17	10 4	0 12	1 42	2 36	2 45	1 53	20 51	0 58	16 24	1 20	2 43	2 16	24 16	0 26	23 44	0 16	11 47	4 51	9 3	9 38	10 3		n.a.
M 9	12 38	4 32	0n51	2 6	2 32	2 15	1 53	21 2	0 58	16 22	1 20	2 46	2 16	24 17	0 26	23 44	0 16	11 47	4 51	9 3	9 39	10 0		n.a.
T 10	12 59	1n12	1 53	2 33	2 27	1 44	1 53	21 13	0 58	16 19	1 21	2 48	2 16	24 17	0 26	23 44	0 16	11 48	4 51	9 4	9 41	9 57		n.a.
W11	13 21	6 58	2 50	3 1	2 22	1 14	1 52	21 24	0 59	16 17	1 21	2 51	2 16	24 17	0 26	23 45	0 16	11 49	4 50	9 6	9 42	9 53		n.a.
T 12	13 41	12 34	3 40	3 31	2 16	0 44	1 52	21 35	0 59	16 15	1 21	2 53	2 16	24 17	0 26	23 45	0 16	11 50	4 50	9 9	9 43	9 50		n.a.
F 13	14 2	17 46	4 21	4 3	2 10	0 13	1 51	21 45	1 0	16 13	1 21	2 56	2 16	24 17	0 26	23 45	0 16	11 50	4 50	9 12	9 44	9 47		n.a.
S 14	14 22	22 17	4 49	4 35	2 4	0s17	1 51	21 55	1 0	16 11	1 22	2 58	2 16	24 17	0 26	23 45	0 16	11 51	4 50	9 17	9 45	9 44		n.a.
S 15	14 43	25 47	5 2	5 9	1 57	0 48	1 50	22 5	1 0	16 9	1 22	3 1	2 16	24 17	0 26	23 45	0 17	11 52	4 50	9 21	9 46	9 40		n.a.
M16	15 2	27 58	5 0	5 44	1 51	1 18	1 49	22 15	1 1	16 7	1 22	3 3	2 16	24 17	0 26	23 45	0 17	11 53	4 50	9 25	9 48	9 37		n.a.
T 17	15 22	28 34	4 41	6 20	1 44	1 49	1 49	22 24	1 1	16 6	1 23	3 6	2 16	24 17	0 26	23 45	0 17	11 53	4 50	9 29	9 49	9 34		n.a.
W18	15 41	27 27	4 6	6 56	1 36	2 19	1 48	22 33	1 1	16 4	1 23	3 8	2 16	24 17	0 26	23 45	0 17	11 54	4 50	9 31	9 50	9 30		n.a.
T 19	16 0	24 39	3 17	7 32	1 29	2 50	1 47	22 42	1 1	16 2	1 23	3 11	2 16	24 17	0 26	23 45	0 17	11 55	4 50	9 32	9 51	9 27		n.a.
F 20	16 19	20 24	2 15	8 9	1 22	3 20	1 46	22 51	1 2	16 0	1 23	3 13	2 16	24 17	0 26	23 45	0 17	11 55	4 49	9 33	9 52	9 24		n.a.
S 21	16 38	14 58	1 5	8 47	1 14	3 51	1 45	22 59	1 2	15 59	1 24	3 16	2 16	24 17	0 25	23 45	0 17	11 56	4 49	9 33	9 54	9 20		n.a.
S 22	16 56	8 43	0s10	9 24	1 7	4 21	1 43	23 7	1 2	15 57	1 24	3 18	2 17	24 17	0 25	23 45	0 17	11 57	4 49	9 33	9 55	9 17		n.a.
M23	17 14	1 58	1 24	10 1	0 59	4 52	1 42	23 15	1 3	15 56	1 24	3 21	2 17	24 17	0 25	23 45	0 17	11 58	4 49	9 33	9 56	9 14		n.a.
T 24	17 31	4s53	2 34	10 39	0 52	5 22	1 41	23 23	1 3	15 54	1 25	3 23	2 17	24 17	0 25	23 46	0 17	11 58	4 49	9 34	9 57	9 10		n.a.
W25	17 49	11 30	3 34	11 16	0 44	5 52	1 39	23 30	1 3	15 53	1 25	3 25	2 17	24 17	0 25	23 46	0 17	11 59	4 49	9 37	9 58	9 7		n.a.
T 26	18 6	17 29	4 20	11 54	0 37	6 22	1 38	23 37	1 3	15 51	1 25	3 28	2 17	24 17	0 25	23 46	0 17	12 0	4 49	9 40	9 59	9 4		n.a.
F 27	18 22	22 27	4 49	12 31	0 29	6 52	1 36	23 44	1 4	15 50	1 25	3 30	2 17	24 18	0 25	23 46	0 17	12 1	4 49	9 44	10 1	9 0		n.a.
S 28	18 38	26 4	5 1	13 8	0 22	7 22	1 35	23 51	1 4	15 49	1 26	3 32	2 17	24 18	0 25	23 46	0 17	12 1	4 49	9 49	10 2	8 57		n.a.
S 29	18 54	28 5	4 55	13 44	0 15	7 51	1 33	23 57	1 4	15 47	1 26	3 34	2 17	24 18	0 25	23 46	0 17	12 2	4 49	9 54	10 3	8 54		n.a.
M30	19s10	28s27	4s33	14s20	0n 8	8s21	1n31	24s 3	1s 4	15n46	1n26	3s37	2n17	24s18	0s25	23n46	0n17	12s 3	4n49	9s58	10s 4	8s50		n.a.

Julian Day Number = 1101532.5, Delta T = 11h02m16s
Ecliptic obliquity = 23°53'41, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°29'01, Lahiri = -27°22'00 Julian Calendar 1 Nov. 1698 BCE == Greg. Calendar 18 Oct. 1698 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1698 BCE
geocentric

DECEMBER 1698 BCE (-1697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 38 31	25♏10'05	12♑36	9♏32	25♎59	15♐20	22♌ 9	14♎20	27♐34	10°R15	15♏ 1	4°R34	4♓22	7♓13	n.a.	T 1
W 2	3 42 28	26°11'21	25° 4	11° 1	27°13	16° 8	22°13	14°26	27°37	10♋14	15° 3	4♓27	4°19	7°20	n.a.	W 2
T 3	3 46 24	27°12'35	7♒15	12°32	28°28	16°55	22°17	14°31	27°40	10°13	15° 5	4°24	4°16	7°27	n.a.	T 3
F 4	3 50 21	28°13'49	19°12	14° 2	29°42	17°42	22°21	14°37	27°43	10°12	15° 7	4°22	4°13	7°33	n.a.	F 4
S 5	3 54 17	29°15'02	1♓ 2	15°34	0♏57	18°30	22°24	14°43	27°46	10°10	15°10	4°22	4°10	7°40	n.a.	S 5
S 6	3 58 14	0♐16'13	12°49	17° 5	2°12	19°17	22°27	14°48	27°49	10° 9	15°12	4°22	4° 6	7°47	n.a.	S 6
M 7	4 2 10	1°17'24	24°39	18°38	3°26	20° 4	22°30	14°54	27°52	10° 8	15°14	4°21	4° 3	7°53	n.a.	M 7
T 8	4 6 7	2°18'33	6♈39	20°10	4°41	20°52	22°33	14°59	27°55	10° 7	15°16	4°17	4° 0	8° 0	n.a.	T 8
W 9	4 10 4	3°19'42	18°51	21°44	5°55	21°39	22°36	15° 5	27°59	10° 6	15°18	4°11	3°57	8° 6	n.a.	W 9
T 10	4 14 0	4°20'49	1♉20	23°18	7°10	22°26	22°39	15°10	28° 2	10° 4	15°20	4° 3	3°54	8°13	n.a.	T 10
F 11	4 17 57	5°21'55	14° 7	24°52	8°25	23°14	22°41	15°16	28° 5	10° 3	15°22	3°51	3°51	8°20	n.a.	F 11
S 12	4 21 53	6°23'00	27°14	26°27	9°39	24° 1	22°43	15°21	28° 8	10° 2	15°24	3°38	3°47	8°26	n.a.	S 12
S 13	4 25 50	7°24'04	10♊39	28° 3	10°54	24°48	22°45	15°26	28°12	10° 0	15°26	3°25	3°44	8°33	n.a.	S 13
M14	4 29 46	8°25'07	24°19	29°39	12° 9	25°36	22°47	15°31	28°15	9°59	15°28	3°12	3°41	8°40	n.a.	M14
T 15	4 33 43	9°26'09	8♋11	1♐16	13°23	26°23	22°49	15°36	28°18	9°58	15°30	3° 1	3°38	8°46	n.a.	T 15
W16	4 37 40	10°27'11	22°11	2°54	14°38	27°10	22°50	15°41	28°22	9°56	15°32	2°53	3°35	8°53	n.a.	W16
T 17	4 41 36	11°28'11	6♌15	4°32	15°52	27°57	22°52	15°46	28°25	9°55	15°34	2°49	3°32	9° 0	n.a.	T 17
F 18	4 45 33	12°29'10	20°21	6°11	17° 7	28°45	22°53	15°51	28°28	9°53	15°36	2°47	3°28	9° 6	n.a.	F 18
S 19	4 49 29	13°30'08	4♍27	7°50	18°22	29°32	22°54	15°56	28°32	9°52	15°38	2°D46	3°25	9°13	n.a.	S 19
S 20	4 53 26	14°31'05	18°32	9°30	19°36	0♑19	22°54	16° 1	28°35	9°51	15°40	2°R46	3°22	9°20	n.a.	S 20
M21	4 57 22	15°32'01	2♎35	11°11	20°51	1° 6	22°55	16° 5	28°39	9°49	15°42	2°45	3°19	9°26	n.a.	M21
T 22	5 1 19	16°32'56	16°36	12°53	22° 6	1°54	22°55	16°10	28°42	9°48	15°44	2°42	3°16	9°33	n.a.	T 22
W23	5 5 15	17°33'50	0♏33	14°35	23°20	2°41	22°R55	16°14	28°45	9°46	15°46	2°36	3°12	9°39	n.a.	W23
T 24	5 9 12	18°34'43	14°23	16°18	24°35	3°28	22°55	16°19	28°49	9°45	15°48	2°28	3° 9	9°46	n.a.	T 24
F 25	5 13 9	19°35'34	28° 5	18° 2	25°49	4°15	22°55	16°23	28°52	9°43	15°50	2°17	3° 6	9°53	n.a.	F 25
S 26	5 17 5	20°36'24	11♐35	19°47	27° 4	5° 2	22°54	16°27	28°56	9°41	15°52	2° 4	3° 3	9°59	n.a.	S 26
S 27	5 21 2	21°37'13	24°50	21°32	28°19	5°49	22°54	16°32	28°59	9°40	15°53	1°52	3° 0	10° 6	n.a.	S 27
M28	5 24 58	22°38'01	7♑48	23°18	29°33	6°37	22°53	16°36	29° 3	9°38	15°55	1°40	2°57	10°13	n.a.	M28
T 29	5 28 55	23°38'46	20°29	25° 5	0♐48	7°24	22°52	16°40	29° 6	9°37	15°57	1°31	2°53	10°19	n.a.	T 29
W30	5 32 51	24°39'30	2♒52	26°52	2° 2	8°11	22°51	16°44	29° 9	9°35	15°59	1°25	2°50	10°26	n.a.	W30
T 31	5 36 48	25♐40'12	15♒ 1	28♐41	3♐17	8♑58	22♌49	16♎48	29♐13	9♋34	16♏ 1	1♓21	2♓47	10♓33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s25	27s14	3s58	14s56	0n 0	8s50	1n30	24s 8	1s 5	15n45	1n27	3s39	2n17	24s18	0s25	23n46	0n17	12s 3	4n48	10s 1	10s 5	8s47		n.a.
W 2	19 40	24 40	3 12	15 31	0s 7	9 19	1 28	24 14	1 5	15 44	1 27	3 41	2 18	24 18	0 25	23 46	0 17	12 4	4 48	10 4	10 7	8 44		n.a.
T 3	19 54	21 2	2 18	16 6	0 14	9 48	1 26	24 19	1 5	15 43	1 27	3 43	2 18	24 18	0 25	23 46	0 17	12 5	4 48	10 5	10 8	8 40		n.a.
F 4	20 9	16 36	1 19	16 41	0 20	10 16	1 24	24 24	1 5	15 42	1 28	3 45	2 18	24 18	0 25	23 47	0 17	12 5	4 48	10 5	10 9	8 37		n.a.
S 5	20 22	11 35	0 18	17 14	0 27	10 45	1 22	24 28	1 5	15 41	1 28	3 47	2 18	24 18	0 25	23 47	0 17	12 6	4 48	10 5	10 10	8 34		n.a.
S 6	20 36	6 11	0n45	17 48	0 34	11 13	1 20	24 32	1 5	15 41	1 28	3 50	2 18	24 18	0 25	23 47	0 17	12 7	4 48	10 6	10 11	8 30		n.a.
M 7	20 49	0 33	1 45	18 20	0 40	11 41	1 18	24 36	1 6	15 40	1 29	3 52	2 18	24 18	0 25	23 47	0 17	12 7	4 48	10 6	10 12	8 27		n.a.
T 8	21 1	5n 9	2 42	18 52	0 46	12 8	1 16	24 40	1 6	15 39	1 29	3 54	2 18	24 18	0 25	23 47	0 17	12 8	4 48	10 7	10 14	8 24		n.a.
W 9	21 13	10 47	3 32	19 23	0 52	12 35	1 14	24 43	1 6	15 39	1 29	3 56	2 18	24 18	0 25	23 47	0 17	12 9	4 48	10 9	10 15	8 20		n.a.
T 10	21 25	16 6	4 13	19 53	0 58	13 2	1 12	24 46	1 6	15 38	1 30	3 58	2 19	24 18	0 25	23 47	0 17	12 9	4 48	10 13	10 16	8 17		n.a.
F 11	21 36	20 52	4 43	20 22	1 4	13 29	1 9	24 49	1 6	15 38	1 30	4 0	2 19	24 18	0 25	23 47	0 17	12 10	4 48	10 17	10 17	8 14		n.a.
S 12	21 47	24 44	4 58	20 51	1 9	13 55	1 7	24 52	1 6	15 37	1 30	4 1	2 19	24 18	0 25	23 47	0 17	12 11	4 48	10 22	10 18	8 10		n.a.
S 13	21 58	27 22	4 58	21 19	1 14	14 21	1 5	24 54	1 7	15 37	1 31	4 3	2 19	24 18	0 25	23 48	0 17	12 11	4 48	10 27	10 19	8 7		n.a.
M14	22 8	28 26	4 40	21 45	1 19	14 47	1 3	24 56	1 7	15 36	1 31	4 5	2 19	24 18	0 25	23 48	0 17	12 12	4 48	10 31	10 21	8 4		n.a.
T 15	22 17	27 44	4 6	22 11	1 24	15 12	1 0	24 57	1 7	15 36	1 31	4 7	2 19	24 18	0 25	23 48	0 17	12 13	4 48	10 35	10 22	8 0		n.a.
W16	22 26	25 16	3 17	22 35	1 29	15 37	0 58	24 59	1 7	15 36	1 32	4 9	2 19	24 18	0 25	23 48	0 17	12 13	4 48	10 38	10 23	7 57		n.a.
T 17	22 35	21 15	2 15	22 58	1 33	16 1	0 55	25 0	1 7	15 36	1 32	4 11	2 20	24 18	0 25	23 48	0 17	12 14	4 48	10 40	10 24	7 54		n.a.
F 18	22 43	16 0	1 5	23 20	1 37	16 25	0 53	25 0	1 7	15 36	1 32	4 12	2 20	24 19	0 25	23 48	0 17	12 14	4 48	10 41	10 25	7 50		n.a.
S 19	22 51	9 55	0s 9	23 41	1 41	16 49	0 50	25 1	1 7	15 36	1 32	4 14	2 20	24 19	0 25	23 48	0 17	12 15	4 48	10 41	10 27	7 47		n.a.
S 20	22 59	3 21	1 22	24 1	1 44	17 12	0 48	25 1	1 7	15 36	1 33	4 16	2 20	24 19	0 25	23 48	0 17	12 16	4 48	10 41	10 28	7 44		n.a.
M21	23 5	3s21	2 31	24 19	1 47	17 35	0 45	25 1	1 7	15 36	1 33	4 18	2 20	24 19	0 25	23 49	0 17	12 16	4 48	10 41	10 29	7 40		n.a.
T 22	23 12	9 52	3 30	24 36	1 50	17 57	0 43	25 0	1 7	15 36	1 33	4 19	2 20	24 19	0 25	23 49	0 17	12 17	4 48	10 42	10 30	7 37		n.a.
W23	23 18	15 52	4 16	24 51	1 53	18 19	0 40	24 59	1 7	15 37	1 34	4 21	2 21	24 19	0 25	23 49	0 17	12 17	4 47	10 44	10 31	7 34		n.a.
T 24	23 24	21 1	4 47	25 5	1 55	18 40	0 38	24 58	1 7	15 37	1 34	4 22	2 21	24 19	0 25	23 49	0 17	12 18	4 47	10 48	10 32	7 30		n.a.
F 25	23 29	24 59	5 1	25 17	1 56	19 1	0 35	24 57	1 7	15 37	1 34	4 24	2 21	24 19	0 25	23 49	0 17	12 18	4 47	10 52	10 34	7 27		n.a.
S 26	23 33	27 30	4 57	25 27	1 58	19 21	0 33	24 55	1 7	15 38	1 35	4 25	2 21	24 19	0 25	23 49	0 17	12 19	4 47	10 56	10 35	7 23		n.a.
S 27	23 37	28 25	4 38	25 36	1 59	19 40	0 30	24 53	1 8	15 38	1 35	4 27	2 21	24 19	0 25	23 49	0 17	12 20	4 47	11 1	10 36	7 20		n.a.
M28	23 41	27 43	4 4	25 42	1 59	20 0	0 27	24 51	1 8	15 39	1 35	4 28	2 21	24 19	0 25	23 49	0 17	12 20	4 47	11 5	10 37	7 17		n.a.
T 29	23 44	25 35	3 19	25 47	1 59	20 18	0 25	24 48	1 8	15 39	1 36	4 30	2 22	24 19	0 25	23 50	0 17	12 21	4 47	11 8	10 38	7 13		n.a.
W30	23 47	22 15	2 25	25 50	1 59	20 36	0 22	24 46	1 8	15 40	1 36	4 31	2 22	24 19	0 25	23 50	0 17	12 21	4 47	11 11	10 39	7 10		n.a.
T 31	23s49	18s 0	1s26	25s51	1s58	20s54	0n19	24s42	1s 8	15n41	1n36	4s32	2n22	24s19	0s25	23n50	0n17	12s22	4n47	11s12	10s41	7s 7		n.a.

Julian Day Number = 1101562.5, Delta T = 11h02m14s
Ecliptic obliquity = 23°53'40, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'57, Lahiri = -27°21'56 Julian Calendar 1 Dec. 1698 BCE == Greg. Calendar 17 Nov. 1698 BCE

The year -1697 astronomical counting style corresponds to year 1698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

JANUARY 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 40 45	26♐40'52	26♒58	0♑30	4♐32	9♑45	22°R48	16♎51	29♐16	9°R32	16♏ 2	1°D19	2♓44	10♓39	n.a.	F 1
S 2	5 44 41	27°41'31	8♓47	2°19	5°46	10°32	22♌46	16°55	29°20	9♋30	16° 4	1♓20	2°41	10°46	n.a.	S 2
S 3	5 48 38	28°42'07	20°35	4° 9	7° 1	11°19	22°44	16°59	29°23	9°29	16° 6	1°20	2°38	10°53	n.a.	S 3
M 4	5 52 34	29°42'41	2♈25	6° 0	8°15	12° 6	22°42	17° 2	29°27	9°27	16° 8	1°R20	2°34	10°59	n.a.	M 4
T 5	5 56 31	0♑43'13	14°24	7°50	9°30	12°53	22°39	17° 6	29°30	9°25	16° 9	1°19	2°31	11° 6	n.a.	T 5
W 6	6 0 27	1°43'44	26°37	9°42	10°44	13°40	22°37	17° 9	29°34	9°24	16°11	1°16	2°28	11°13	n.a.	W 6
T 7	6 4 24	2°44'12	9♉ 9	11°33	11°59	14°26	22°34	17°12	29°37	9°22	16°13	1°10	2°25	11°19	n.a.	T 7
F 8	6 8 20	3°44'38	22° 2	13°24	13°13	15°13	22°31	17°16	29°41	9°20	16°14	1° 3	2°22	11°26	n.a.	F 8
S 9	6 12 17	4°45'02	5♊19	15°14	14°28	16° 0	22°28	17°19	29°44	9°19	16°16	0°54	2°18	11°33	n.a.	S 9
S 10	6 16 14	5°45'25	18°58	17° 5	15°42	16°47	22°25	17°22	29°48	9°17	16°17	0°44	2°15	11°39	n.a.	S 10
M11	6 20 10	6°45'45	2♋59	18°54	16°57	17°34	22°21	17°25	29°51	9°15	16°19	0°35	2°12	11°46	n.a.	M11
T 12	6 24 7	7°46'04	17°16	20°42	18°11	18°20	22°18	17°28	29°54	9°14	16°20	0°27	2° 9	11°52	n.a.	T 12
W13	6 28 3	8°46'20	1♌43	22°29	19°25	19° 7	22°14	17°30	29°58	9°12	16°22	0°22	2° 6	11°59	n.a.	W13
T 14	6 32 0	9°46'35	16°15	24°13	20°40	19°54	22°10	17°33	0♑ 1	9°10	16°23	0°18	2° 3	12° 6	n.a.	T 14
F 15	6 35 56	10°46'48	0♍45	25°55	21°54	20°40	22° 6	17°36	0° 5	9° 9	16°25	0°D18	1°59	12°12	n.a.	F 15
S 16	6 39 53	11°46'59	15° 9	27°34	23° 9	21°27	22° 2	17°38	0° 8	9° 7	16°26	0°18	1°56	12°19	n.a.	S 16
S 17	6 43 49	12°47'08	29°25	29°10	24°23	22°14	21°57	17°40	0°12	9° 5	16°28	0°19	1°53	12°26	n.a.	S 17
M18	6 47 46	13°47'15	13♎29	0♒41	25°38	23° 0	21°53	17°43	0°15	9° 4	16°29	0°R20	1°50	12°32	n.a.	M18
T 19	6 51 43	14°47'21	27°23	2° 8	26°52	23°47	21°48	17°45	0°18	9° 2	16°30	0°19	1°47	12°39	n.a.	T 19
W20	6 55 39	15°47'26	11♏ 4	3°30	28° 6	24°33	21°43	17°47	0°22	9° 0	16°32	0°17	1°44	12°46	n.a.	W20
T 21	6 59 36	16°47'28	24°33	4°46	29°21	25°20	21°38	17°49	0°25	8°59	16°33	0°12	1°40	12°52	n.a.	T 21
F 22	7 3 32	17°47'29	7♐51	5°55	0♑35	26° 6	21°33	17°51	0°28	8°57	16°34	0° 6	1°37	12°59	n.a.	F 22
S 23	7 7 29	18°47'27	20°55	6°58	1°50	26°52	21°27	17°53	0°32	8°55	16°35	29♒58	1°34	13° 6	n.a.	S 23
S 24	7 11 25	19°47'24	3♑47	7°53	3° 4	27°39	21°22	17°55	0°35	8°54	16°37	29°51	1°31	13°12	n.a.	S 24
M25	7 15 22	20°47'19	16°25	8°40	4°18	28°25	21°16	17°56	0°38	8°52	16°38	29°44	1°28	13°19	n.a.	M25
T 26	7 19 18	21°47'12	28°51	9°19	5°33	29°11	21°10	17°58	0°42	8°50	16°39	29°39	1°24	13°26	n.a.	T 26
W27	7 23 15	22°47'02	11♒ 4	9°49	6°47	29°58	21° 4	17°59	0°45	8°49	16°40	29°35	1°21	13°32	n.a.	W27
T 28	7 27 12	23°46'50	23° 6	10°11	8° 1	0♒44	20°58	18° 1	0°48	8°47	16°41	29°33	1°18	13°39	n.a.	T 28
F 29	7 31 8	24°46'36	5♓ 0	10°24	9°16	1°30	20°52	18° 2	0°51	8°46	16°42	29°D33	1°15	13°46	n.a.	F 29
S 30	7 35 5	25°46'20	16°48	10°R28	10°30	2°16	20°46	18° 3	0°55	8°44	16°43	29°34	1°12	13°52	n.a.	S 30
S 31	7 39 1	26♑46'01	28♓35	10♒24	11♑44	3♒ 2	20♌40	18♎ 4	0♑58	8♋42	16♏44	29♒36	1♓ 9	13♓59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s51	13s 7	0s23	25s50	1s56	21s10	0n17	24s39	1s 8	15n42	1n37	4s34	2n22	24s19	0s25	23n50	0n17	12s22	4n47	11s12	10s42	7s 3		n.a.
S 2	23 52	7 49	0n40	25 47	1 54	21 27	0 14	24 35	1 7	15 43	1 37	4 35	2 22	24 19	0 25	23 50	0 17	12 23	4 47	11 12	10 43	7 0		n.a.
S 3	23 53	2 15	1 41	25 41	1 51	21 42	0 12	24 31	1 7	15 44	1 37	4 36	2 23	24 19	0 25	23 50	0 17	12 23	4 47	11 12	10 44	6 57		n.a.
M 4	23 54	3n24	2 38	25 33	1 48	21 57	0 9	24 27	1 7	15 45	1 38	4 37	2 23	24 19	0 25	23 50	0 17	12 24	4 47	11 12	10 45	6 53		n.a.
T 5	23 54	8 59	3 29	25 24	1 44	22 11	0 6	24 23	1 7	15 46	1 38	4 39	2 23	24 19	0 25	23 51	0 17	12 24	4 47	11 13	10 46	6 50		n.a.
W 6	23 53	14 21	4 12	25 12	1 40	22 25	0 4	24 18	1 7	15 47	1 38	4 40	2 23	24 19	0 25	23 51	0 17	12 25	4 47	11 14	10 48	6 46		n.a.
T 7	23 52	19 17	4 43	24 57	1 35	22 38	0 1	24 13	1 7	15 48	1 39	4 41	2 23	24 19	0 26	23 51	0 17	12 25	4 47	11 16	10 49	6 43		n.a.
F 8	23 50	23 28	5 2	24 41	1 29	22 50	0s 1	24 7	1 7	15 49	1 39	4 42	2 24	24 19	0 26	23 51	0 18	12 25	4 47	11 18	10 50	6 40		n.a.
S 9	23 48	26 35	5 4	24 22	1 22	23 2	0 4	24 2	1 7	15 51	1 39	4 43	2 24	24 19	0 26	23 51	0 18	12 26	4 47	11 22	10 51	6 36		n.a.
S 10	23 46	28 15	4 50	24 1	1 15	23 13	0 7	23 56	1 7	15 52	1 39	4 44	2 24	24 19	0 26	23 51	0 18	12 26	4 47	11 25	10 52	6 33		n.a.
M11	23 43	28 10	4 18	23 38	1 7	23 23	0 9	23 49	1 7	15 53	1 40	4 45	2 24	24 19	0 26	23 51	0 18	12 27	4 47	11 29	10 53	6 30		n.a.
T 12	23 40	26 14	3 30	23 13	0 58	23 33	0 12	23 43	1 7	15 55	1 40	4 46	2 24	24 19	0 26	23 51	0 18	12 27	4 48	11 31	10 54	6 26		n.a.
W13	23 36	22 33	2 27	22 46	0 48	23 42	0 14	23 36	1 7	15 56	1 40	4 47	2 25	24 19	0 26	23 52	0 18	12 28	4 48	11 33	10 56	6 23		n.a.
T 14	23 32	17 27	1 15	22 18	0 38	23 50	0 17	23 29	1 7	15 58	1 41	4 47	2 25	24 19	0 26	23 52	0 18	12 28	4 48	11 34	10 57	6 19		n.a.
F 15	23 27	11 23	0s 2	21 48	0 27	23 57	0 19	23 22	1 7	16 0	1 41	4 48	2 25	24 19	0 26	23 52	0 18	12 28	4 48	11 35	10 58	6 16		n.a.
S 16	23 22	4 44	1 19	21 17	0 15	24 4	0 21	23 14	1 6	16 1	1 41	4 49	2 25	24 19	0 26	23 52	0 18	12 29	4 48	11 35	10 59	6 13		n.a.
S 17	23 16	2s 3	2 31	20 45	0 2	24 10	0 24	23 7	1 6	16 3	1 41	4 50	2 25	24 19	0 26	23 52	0 18	12 29	4 48	11 34	11 0	6 9		n.a.
M18	23 10	8 40	3 32	20 13	0n11	24 15	0 26	22 59	1 6	16 5	1 42	4 51	2 26	24 19	0 26	23 52	0 18	12 29	4 48	11 34	11 1	6 6		n.a.
T 19	23 3	14 45	4 20	19 40	0 24	24 20	0 29	22 50	1 6	16 7	1 42	4 51	2 26	24 19	0 26	23 52	0 18	12 30	4 48	11 34	11 3	6 2		n.a.
W20	22 56	20 2	4 52	19 7	0 39	24 24	0 31	22 42	1 6	16 9	1 42	4 52	2 26	24 19	0 26	23 53	0 18	12 30	4 48	11 35	11 4	5 59		n.a.
T 21	22 49	24 14	5 7	18 35	0 53	24 27	0 33	22 33	1 6	16 10	1 42	4 52	2 26	24 19	0 26	23 53	0 18	12 31	4 48	11 37	11 5	5 56		n.a.
F 22	22 41	27 4	5 6	18 3	1 8	24 29	0 35	22 24	1 6	16 12	1 43	4 53	2 26	24 19	0 26	23 53	0 18	12 31	4 48	11 39	11 6	5 52		n.a.
S 23	22 33	28 23	4 49	17 32	1 23	24 30	0 38	22 15	1 5	16 14	1 43	4 53	2 27	24 19	0 26	23 53	0 18	12 31	4 48	11 42	11 7	5 49		n.a.
S 24	22 24	28 7	4 17	17 4	1 39	24 31	0 40	22 6	1 5	16 16	1 43	4 54	2 27	24 19	0 26	23 53	0 18	12 31	4 48	11 44	11 8	5 46		n.a.
M25	22 15	26 23	3 33	16 37	1 54	24 31	0 42	21 56	1 5	16 19	1 43	4 54	2 27	24 19	0 26	23 53	0 18	12 32	4 48	11 47	11 9	5 42		n.a.
T 26	22 6	23 23	2 39	16 12	2 9	24 31	0 44	21 46	1 5	16 21	1 44	4 55	2 27	24 19	0 26	23 53	0 18	12 32	4 48	11 49	11 11	5 39		n.a.
W27	21 56	19 22	1 39	15 50	2 23	24 29	0 46	21 36	1 5	16 23	1 44	4 55	2 28	24 19	0 26	23 53	0 18	12 32	4 48	11 50	11 12	5 35		n.a.
T 28	21 45	14 38	0 35	15 30	2 37	24 27	0 48	21 26	1 5	16 25	1 44	4 55	2 28	24 19	0 26	23 54	0 18	12 33	4 48	11 51	11 13	5 32		n.a.
F 29	21 35	9 24	0n30	15 14	2 51	24 24	0 50	21 15	1 4	16 27	1 44	4 56	2 28	24 19	0 26	23 54	0 18	12 33	4 48	11 51	11 14	5 29		n.a.
S 30	21 24	3 53	1 33	15 1	3 3	24 20	0 52	21 4	1 4	16 30	1 45	4 56	2 28	24 19	0 26	23 54	0 18	12 33	4 48	11 50	11 15	5 25		n.a.
S 31	21s12	1n45	2n32	14s51	3n15	24s16	0s54	20s53	1s 4	16n32	1n45	4s56	2n28	24s19	0s26	23n54	0n18	12s33	4n48	11s50	11s16	5s22		n.a.

Julian Day Number = 1101593.5, Delta T = 11h02m12s
Ecliptic obliquity = 23°53'39, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'53, Lahiri = -27°21'52 Julian Calendar 1 Jan. 1697 BCE == Greg. Calendar 18 Dec. 1698 BCE

The year -1696 astronomical counting style corresponds to year 1697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

FEBRUARY 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 42 58	27♉45'39	10♈26	10°R11	12♉58	3♒48	20°R33	18♎ 5	1♉ 1	8°R41	16♏45	29♒38	1♓ 5	14♓ 5	n.a.	M 1
T 2	7 46 54	28°45'16	22°24	9♒50	14°13	4°34	20♌26	18° 6	1° 4	8♋39	16°46	29°39	1° 2	14°12	n.a.	T 2
W 3	7 50 51	29°44'49	4♉35	9°22	15°27	5°20	20°20	18° 7	1° 7	8°38	16°47	29°R39	0°59	14°19	n.a.	W 3
T 4	7 54 47	0♒44'21	17° 4	8°47	16°41	6° 6	20°13	18° 7	1°11	8°36	16°48	29°38	0°56	14°25	n.a.	T 4
F 5	7 58 44	1°43'50	29°56	8° 6	17°55	6°52	20° 6	18° 8	1°14	8°35	16°49	29°36	0°53	14°32	n.a.	F 5
S 6	8 2 40	2°43'16	13♊12	7°21	19°10	7°38	19°59	18° 8	1°17	8°33	16°50	29°32	0°50	14°39	n.a.	S 6
S 7	8 6 37	3°42'41	26°55	6°32	20°24	8°24	19°52	18° 9	1°20	8°32	16°51	29°28	0°46	14°45	n.a.	S 7
M 8	8 10 34	4°42'02	11♋ 3	5°40	21°38	9° 9	19°45	18° 9	1°23	8°30	16°51	29°25	0°43	14°52	n.a.	M 8
T 9	8 14 30	5°41'22	25°33	4°46	22°52	9°55	19°37	18° 9	1°26	8°29	16°52	29°21	0°40	14°59	n.a.	T 9
W10	8 18 27	6°40'39	10♌19	3°52	24° 7	10°41	19°30	18°R 9	1°29	8°27	16°53	29°19	0°37	15° 5	n.a.	W10
T 11	8 22 23	7°39'54	25°15	2°59	25°21	11°26	19°23	18° 9	1°32	8°26	16°54	29°D19	0°34	15°12	n.a.	T 11
F 12	8 26 20	8°39'06	10♍10	2° 7	26°35	12°12	19°15	18° 9	1°35	8°25	16°54	29°19	0°30	15°19	n.a.	F 12
S 13	8 30 16	9°38'17	24°59	1°18	27°49	12°58	19° 8	18° 9	1°38	8°23	16°55	29°20	0°27	15°25	n.a.	S 13
S 14	8 34 13	10°37'25	9♎35	0°33	29° 3	13°43	19° 0	18° 8	1°41	8°22	16°55	29°21	0°24	15°32	n.a.	S 14
M15	8 38 9	11°36'32	23°53	29♉51	0♒17	14°28	18°53	18° 8	1°43	8°20	16°56	29°22	0°21	15°39	n.a.	M15
T 16	8 42 6	12°35'37	7♏52	29°15	1°31	15°14	18°45	18° 7	1°46	8°19	16°57	29°R23	0°18	15°45	n.a.	T 16
W17	8 46 3	13°34'40	21°32	28°43	2°46	15°59	18°37	18° 7	1°49	8°18	16°57	29°23	0°15	15°52	n.a.	W17
T 18	8 49 59	14°33'41	4♐52	28°17	4° 0	16°44	18°30	18° 6	1°52	8°17	16°58	29°22	0°11	15°59	n.a.	T 18
F 19	8 53 56	15°32'40	17°54	27°57	5°14	17°30	18°22	18° 5	1°55	8°15	16°58	29°20	0° 8	16° 5	n.a.	F 19
S 20	8 57 52	16°31'38	0♉40	27°42	6°28	18°15	18°14	18° 4	1°57	8°14	16°58	29°19	0° 5	16°12	n.a.	S 20
S 21	9 1 49	17°30'33	13°12	27°33	7°42	19° 0	18° 7	18° 3	2° 0	8°13	16°59	29°17	0° 2	16°18	n.a.	S 21
M22	9 5 45	18°29'26	25°32	27°D29	8°56	19°45	17°59	18° 2	2° 3	8°12	16°59	29°15	29♒59	16°25	n.a.	M22
T 23	9 9 42	19°28'17	7♒42	27°31	10°10	20°30	17°51	18° 1	2° 5	8°10	16°59	29°14	29°56	16°32	n.a.	T 23
W24	9 13 38	20°27'06	19°43	27°38	11°24	21°15	17°43	18° 0	2° 8	8° 9	17° 0	29°14	29°52	16°38	n.a.	W24
T 25	9 17 35	21°25'53	1♓37	27°51	12°38	22° 0	17°36	17°58	2°10	8° 8	17° 0	29°D13	29°49	16°45	n.a.	T 25
F 26	9 21 31	22°24'38	13°27	28° 8	13°52	22°45	17°28	17°57	2°13	8° 7	17° 0	29°14	29°46	16°52	n.a.	F 26
S 27	9 25 28	23°23'20	25°14	28°30	15° 6	23°30	17°20	17°55	2°15	8° 6	17° 0	29°14	29°43	16°58	n.a.	S 27
S 28	9 29 25	24°22'00	7♈ 2	28°57	16°20	24°15	17°13	17°54	2°18	8° 5	17° 1	29°15	29°40	17° 5	n.a.	S 28
M29	9 33 21	25♒20'38	18♈54	29♉28	17♒34	25♒ 0	17♌ 5	17♎52	2♉20	8♋ 4	17♏ 1	29♒15	29♒36	17♓12	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21 s 0	7n20	3n25	14 s44	3n25	24 s10	0 s56	20 s42	1 s 4	16n34	1n45	4 s56	2n29	24 s19	0 s26	23n54	0n18	12 s34	4n48	11 s49	11 s18	5 s18		n.a.
T 2	20 48	12 44	4 10	14 41	3 34	24 4	0 58	20 31	1 4	16 36	1 45	4 56	2 29	24 19	0 26	23 54	0 18	12 34	4 48	11 49	11 19	5 15		n.a.
W 3	20 35	17 44	4 44	14 42	3 41	23 58	0 59	20 19	1 3	16 39	1 45	4 57	2 29	24 19	0 26	23 54	0 18	12 34	4 48	11 49	11 20	5 12		n.a.
T 4	20 22	22 8	5 6	14 46	3 47	23 50	1 1	20 7	1 3	16 41	1 46	4 57	2 29	24 19	0 26	23 54	0 18	12 34	4 48	11 49	11 21	5 8		n.a.
F 5	20 9	25 37	5 14	14 52	3 51	23 42	1 3	19 55	1 3	16 44	1 46	4 57	2 30	24 19	0 26	23 54	0 18	12 35	4 48	11 50	11 22	5 5		n.a.
S 6	19 55	27 51	5 5	15 2	3 53	23 33	1 4	19 43	1 3	16 46	1 46	4 57	2 30	24 19	0 26	23 55	0 18	12 35	4 48	11 51	11 23	5 1		n.a.
S 7	19 41	28 30	4 39	15 15	3 53	23 24	1 6	19 31	1 2	16 48	1 46	4 57	2 30	24 19	0 26	23 55	0 18	12 35	4 48	11 52	11 24	4 58		n.a.
M 8	19 27	27 20	3 55	15 29	3 51	23 13	1 7	19 18	1 2	16 51	1 46	4 56	2 30	24 19	0 26	23 55	0 18	12 35	4 48	11 54	11 26	4 55		n.a.
T 9	19 12	24 18	2 55	15 46	3 47	23 2	1 9	19 5	1 2	16 53	1 46	4 56	2 30	24 19	0 26	23 55	0 18	12 35	4 49	11 55	11 27	4 51		n.a.
W10	18 57	19 38	1 43	16 4	3 41	22 51	1 10	18 52	1 2	16 56	1 46	4 56	2 31	24 19	0 26	23 55	0 18	12 35	4 49	11 56	11 28	4 48		n.a.
T 11	18 42	13 42	0 22	16 24	3 34	22 39	1 11	18 39	1 1	16 58	1 47	4 56	2 31	24 19	0 26	23 55	0 18	12 36	4 49	11 56	11 29	4 44		n.a.
F 12	18 26	6 59	1 s 0	16 44	3 25	22 26	1 13	18 26	1 1	17 1	1 47	4 56	2 31	24 19	0 26	23 55	0 18	12 36	4 49	11 56	11 30	4 41		n.a.
S 13	18 11	0 s 4	2 17	17 5	3 15	22 12	1 14	18 13	1 1	17 3	1 47	4 55	2 31	24 19	0 26	23 55	0 18	12 36	4 49	11 55	11 31	4 38		n.a.
S 14	17 54	6 59	3 25	17 26	3 3	21 58	1 15	17 59	1 0	17 6	1 47	4 55	2 31	24 19	0 26	23 55	0 18	12 36	4 49	11 55	11 32	4 34		n.a.
M15	17 38	13 25	4 18	17 47	2 51	21 43	1 16	17 45	1 0	17 8	1 47	4 55	2 32	24 19	0 26	23 55	0 18	12 36	4 49	11 55	11 34	4 31		n.a.
T 16	17 21	19 1	4 54	18 8	2 37	21 27	1 17	17 32	1 0	17 11	1 47	4 54	2 32	24 19	0 26	23 56	0 18	12 36	4 49	11 54	11 35	4 27		n.a.
W17	17 4	23 31	5 13	18 28	2 24	21 11	1 18	17 17	1 0	17 13	1 47	4 54	2 32	24 19	0 26	23 56	0 18	12 36	4 49	11 54	11 36	4 24		n.a.
T 18	16 46	26 40	5 15	18 47	2 9	20 54	1 19	17 3	0 59	17 16	1 47	4 53	2 32	24 19	0 26	23 56	0 18	12 36	4 49	11 55	11 37	4 21		n.a.
F 19	16 29	28 18	5 0	19 6	1 54	20 37	1 20	16 49	0 59	17 18	1 47	4 53	2 32	24 19	0 26	23 56	0 18	12 36	4 49	11 55	11 38	4 17		n.a.
S 20	16 11	28 24	4 30	19 23	1 40	20 19	1 21	16 34	0 59	17 21	1 47	4 52	2 33	24 19	0 26	23 56	0 18	12 36	4 49	11 56	11 39	4 14		n.a.
S 21	15 53	27 1	3 48	19 40	1 25	20 0	1 21	16 20	0 58	17 23	1 47	4 52	2 33	24 19	0 26	23 56	0 18	12 36	4 49	11 56	11 40	4 10		n.a.
M22	15 34	24 19	2 56	19 55	1 10	19 41	1 22	16 5	0 58	17 26	1 47	4 51	2 33	24 19	0 26	23 56	0 18	12 37	4 49	11 57	11 42	4 7		n.a.
T 23	15 16	20 34	1 57	20 9	0 55	19 21	1 23	15 50	0 58	17 28	1 48	4 51	2 33	24 19	0 26	23 56	0 18	12 37	4 49	11 57	11 43	4 4		n.a.
W24	14 57	16 1	0 53	20 21	0 41	19 1	1 23	15 35	0 57	17 31	1 48	4 50	2 33	24 19	0 26	23 56	0 18	12 37	4 49	11 58	11 44	4 0		n.a.
T 25	14 38	10 54	0n13	20 33	0 27	18 40	1 24	15 20	0 57	17 33	1 48	4 49	2 34	24 19	0 26	23 56	0 18	12 37	4 49	11 58	11 45	3 57		n.a.
F 26	14 18	5 26	1 18	20 42	0 13	18 19	1 24	15 5	0 57	17 36	1 48	4 48	2 34	24 19	0 26	23 56	0 18	12 37	4 49	11 58	11 46	3 53		n.a.
S 27	13 59	0n12	2 20	20 51	0 0	17 57	1 24	14 49	0 56	17 38	1 48	4 48	2 34	24 19	0 26	23 56	0 18	12 37	4 49	11 57	11 47	3 50		n.a.
S 28	13 39	5 49	3 15	20 58	0 s12	17 35	1 25	14 34	0 56	17 41	1 48	4 47	2 34	24 19	0 26	23 57	0 18	12 37	4 50	11 57	11 48	3 47		n.a.
M29	13 s19	11n16	4n 2	21 s 3	0 s25	17 s12	1 s25	14 s18	0 s55	17n43	1n48	4 s46	2n34	24 s19	0 s26	23n57	0n18	12 s37	4n50	11 s57	11 s50	3 s43		n.a.

Julian Day Number = 1101624.5, Delta T = 11h02m10s
Ecliptic obliquity = 23°53'40, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'48, Lahiri = -27°21'48 Julian Calendar 1 Feb. 1697 BCE == Greg. Calendar 18 Jan. 1697 BCE

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

MARCH 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 37 18	26♒19'13	0♉54	0♒ 3	18♒48	25♒44	16°R58	17°R50	2♑23	8°R 3	17♏ 1	29♒16	29♒33	17♓18	n.a.	T 1
W 2	9 41 14	27°17'47	13° 5	0°42	20° 2	26°29	16♌50	17♎48	2°25	8♋ 2	17° 1	29°16	29°30	17°25	n.a.	W 2
T 3	9 45 11	28°16'18	25°32	1°25	21°16	27°14	16°43	17°46	2°27	8° 1	17°R 1	29°R16	29°27	17°32	n.a.	T 3
F 4	9 49 7	29°14'46	8♊18	2°11	22°30	27°58	16°35	17°44	2°29	8° 0	17° 1	29°D16	29°24	17°38	n.a.	F 4
S 5	9 53 4	0♓13'13	21°28	3° 1	23°44	28°43	16°28	17°42	2°32	7°59	17° 1	29°16	29°21	17°45	n.a.	S 5
S 6	9 57 0	1°11'37	5♋ 5	3°54	24°58	29°27	16°21	17°40	2°34	7°58	17° 1	29°16	29°17	17°52	n.a.	S 6
M 7	10 0 57	2° 9'58	19° 8	4°50	26°12	0♓12	16°13	17°37	2°36	7°57	17° 1	29°16	29°14	17°58	n.a.	M 7
T 8	10 4 53	3° 8'18	3♌37	5°49	27°26	0°56	16° 6	17°35	2°38	7°57	17° 1	29°17	29°11	18° 5	n.a.	T 8
W 9	10 8 50	4° 6'35	18°27	6°51	28°40	1°40	15°59	17°32	2°40	7°56	17° 0	29°17	29° 8	18°12	n.a.	W 9
T 10	10 12 47	5° 4'50	3♍32	7°56	29°54	2°25	15°52	17°30	2°42	7°55	17° 0	29°R17	29° 5	18°18	n.a.	T 10
F 11	10 16 43	6° 3'03	18°44	9° 3	1♓ 8	3° 9	15°45	17°27	2°44	7°54	17° 0	29°17	29° 2	18°25	n.a.	F 11
S 12	10 20 40	7° 1'15	3♎52	10°12	2°22	3°53	15°39	17°24	2°46	7°54	17° 0	29°16	28°58	18°32	n.a.	S 12
S 13	10 24 36	7°59'24	18°47	11°25	3°36	4°37	15°32	17°21	2°48	7°53	16°59	29°15	28°55	18°38	n.a.	S 13
M14	10 28 33	8°57'32	3♏23	12°39	4°50	5°21	15°25	17°19	2°50	7°52	16°59	29°14	28°52	18°45	n.a.	M14
T 15	10 32 29	9°55'38	17°36	13°56	6° 4	6° 5	15°19	17°16	2°52	7°52	16°59	29°13	28°49	18°51	n.a.	T 15
W16	10 36 26	10°53'43	1♐22	15°15	7°17	6°49	15°12	17°13	2°53	7°51	16°58	29°13	28°46	18°58	n.a.	W16
T 17	10 40 22	11°51'46	14°43	16°36	8°31	7°33	15° 6	17° 9	2°55	7°51	16°58	29°D12	28°42	19° 5	n.a.	T 17
F 18	10 44 19	12°49'48	27°40	17°59	9°45	8°17	15° 0	17° 6	2°57	7°50	16°58	29°13	28°39	19°11	n.a.	F 18
S 19	10 48 16	13°47'48	10♑18	19°25	10°59	9° 1	14°54	17° 3	2°59	7°50	16°57	29°14	28°36	19°18	n.a.	S 19
S 20	10 52 12	14°45'47	22°39	20°52	12°13	9°44	14°48	17° 0	3° 0	7°49	16°57	29°15	28°33	19°25	n.a.	S 20
M21	10 56 9	15°43'44	4♒46	22°22	13°27	10°28	14°42	16°56	3° 2	7°49	16°56	29°16	28°30	19°31	n.a.	M21
T 22	11 0 5	16°41'39	16°45	23°53	14°41	11°12	14°37	16°53	3° 3	7°48	16°56	29°17	28°27	19°38	n.a.	T 22
W23	11 4 2	17°39'33	28°37	25°27	15°54	11°55	14°31	16°49	3° 5	7°48	16°55	29°R18	28°23	19°45	n.a.	W23
T 24	11 7 58	18°37'25	10♓26	27° 2	17° 8	12°39	14°26	16°46	3° 6	7°48	16°54	29°17	28°20	19°51	n.a.	T 24
F 25	11 11 55	19°35'16	22°13	28°39	18°22	13°22	14°20	16°42	3° 8	7°47	16°54	29°16	28°17	19°58	n.a.	F 25
S 26	11 15 51	20°33'05	4♈ 2	0♓19	19°36	14° 6	14°15	16°39	3° 9	7°47	16°53	29°14	28°14	20° 5	n.a.	S 26
S 27	11 19 48	21°30'52	15°53	2° 0	20°50	14°49	14°10	16°35	3°10	7°47	16°53	29°10	28°11	20°11	n.a.	S 27
M28	11 23 44	22°28'37	27°51	3°43	22° 3	15°32	14° 6	16°31	3°11	7°47	16°52	29° 7	28° 7	20°18	n.a.	M28
T 29	11 27 41	23°26'21	9♉55	5°28	23°17	16°16	14° 1	16°27	3°13	7°46	16°51	29° 3	28° 4	20°25	n.a.	T 29
W30	11 31 38	24°24'03	22°11	7°15	24°31	16°59	13°57	16°23	3°14	7°46	16°50	28°59	28° 1	20°31	n.a.	W30
T 31	11 35 34	25♓21'43	4♊40	9♓ 4	25♓45	17♓42	13♌52	16♎19	3♑15	7♋46	16♏50	28♒57	27♒58	20♓38	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	12s59	16n21	4n40	21s 7	0s36	16s49	1s25	14s 3	0s55	17n45	1n48	4s45	2n35	24s19	0s26	23n57	0n18	12s37	4n50	11s57	11s51	3s40			n.a.
W 2	12 38	20 54	5 5	21 9	0 48	16 25	1 25	13 47	0 55	17 48	1 48	4 44	2 35	24 19	0 26	23 57	0 18	12 37	4 50	11 57	11 52	3 36			n.a.
T 3	12 18	24 38	5 17	21 10	0 58	16 1	1 25	13 31	0 54	17 50	1 48	4 43	2 35	24 19	0 26	23 57	0 18	12 37	4 50	11 57	11 53	3 33			n.a.
F 4	11 57	27 16	5 14	21 9	1 8	15 37	1 25	13 15	0 54	17 52	1 48	4 42	2 35	24 19	0 26	23 57	0 18	12 36	4 50	11 57	11 54	3 30			n.a.
S 5	11 36	28 30	4 54	21 7	1 18	15 12	1 25	12 59	0 54	17 54	1 47	4 41	2 35	24 19	0 27	23 57	0 18	12 36	4 50	11 57	11 55	3 26			n.a.
S 6	11 15	28 5	4 18	21 3	1 27	14 47	1 25	12 42	0 53	17 57	1 47	4 40	2 35	24 19	0 27	23 57	0 18	12 36	4 50	11 57	11 56	3 23			n.a.
M 7	10 54	25 53	3 25	20 57	1 35	14 21	1 25	12 26	0 53	17 59	1 47	4 39	2 36	24 19	0 27	23 57	0 18	12 36	4 50	11 57	11 57	3 19			n.a.
T 8	10 33	21 57	2 18	20 50	1 43	13 55	1 25	12 10	0 52	18 1	1 47	4 38	2 36	24 19	0 27	23 57	0 18	12 36	4 50	11 57	11 59	3 16			n.a.
W 9	10 11	16 32	1 0	20 41	1 50	13 28	1 24	11 53	0 52	18 3	1 47	4 37	2 36	24 19	0 27	23 57	0 18	12 36	4 50	11 56	12 0	3 13			n.a.
T 10	9 50	10 2	0s24	20 31	1 57	13 1	1 24	11 37	0 52	18 5	1 47	4 36	2 36	24 19	0 27	23 57	0 18	12 36	4 50	11 56	12 1	3 9			n.a.
F 11	9 28	2 55	1 46	20 18	2 3	12 34	1 23	11 20	0 51	18 7	1 47	4 35	2 36	24 19	0 27	23 57	0 18	12 36	4 50	11 57	12 2	3 6			n.a.
S 12	9 6	4s19	3 0	20 4	2 8	12 7	1 23	11 3	0 51	18 9	1 47	4 33	2 36	24 19	0 27	23 57	0 18	12 36	4 50	11 57	12 3	3 2			n.a.
S 13	8 44	11 12	4 2	19 49	2 13	11 39	1 22	10 47	0 50	18 11	1 47	4 32	2 37	24 19	0 27	23 57	0 18	12 36	4 50	11 57	12 4	2 59			n.a.
M14	8 22	17 20	4 46	19 32	2 18	11 11	1 22	10 30	0 50	18 13	1 47	4 31	2 37	24 19	0 27	23 57	0 18	12 36	4 50	11 57	12 5	2 55			n.a.
T 15	7 59	22 21	5 11	19 13	2 21	10 43	1 21	10 13	0 49	18 15	1 47	4 30	2 37	24 19	0 27	23 57	0 18	12 35	4 50	11 58	12 6	2 52			n.a.
W16	7 37	25 59	5 17	18 52	2 25	10 14	1 20	9 56	0 49	18 16	1 47	4 28	2 37	24 19	0 27	23 57	0 18	12 35	4 50	11 58	12 8	2 49			n.a.
T 17	7 15	28 3	5 6	18 29	2 27	9 45	1 19	9 39	0 49	18 18	1 46	4 27	2 37	24 19	0 27	23 58	0 18	12 35	4 50	11 58	12 9	2 45			n.a.
F 18	6 52	28 31	4 39	18 5	2 29	9 16	1 18	9 22	0 48	18 20	1 46	4 26	2 37	24 18	0 27	23 58	0 18	12 35	4 50	11 58	12 10	2 42			n.a.
S 19	6 29	27 28	3 59	17 39	2 31	8 47	1 18	9 5	0 48	18 22	1 46	4 24	2 37	24 18	0 27	23 58	0 18	12 35	4 50	11 58	12 11	2 38			n.a.
S 20	6 7	25 4	3 9	17 12	2 31	8 17	1 17	8 47	0 47	18 23	1 46	4 23	2 38	24 18	0 27	23 58	0 18	12 35	4 51	11 57	12 12	2 35			n.a.
M21	5 44	21 34	2 12	16 42	2 32	7 47	1 15	8 30	0 47	18 25	1 46	4 21	2 38	24 18	0 27	23 58	0 18	12 34	4 51	11 57	12 13	2 32			n.a.
T 22	5 21	17 12	1 9	16 11	2 32	7 17	1 14	8 13	0 46	18 26	1 46	4 20	2 38	24 18	0 27	23 58	0 18	12 34	4 51	11 56	12 14	2 28			n.a.
W23	4 58	12 14	0 4	15 38	2 31	6 47	1 13	7 56	0 46	18 28	1 46	4 19	2 38	24 18	0 27	23 58	0 18	12 34	4 51	11 56	12 15	2 25			n.a.
T 24	4 35	6 51	1n 1	15 4	2 29	6 16	1 12	7 38	0 45	18 29	1 45	4 17	2 38	24 18	0 27	23 58	0 18	12 34	4 51	11 56	12 17	2 21			n.a.
F 25	4 12	1 16	2 3	14 27	2 27	5 46	1 11	7 21	0 45	18 31	1 45	4 16	2 38	24 18	0 27	23 58	0 18	12 34	4 51	11 57	12 18	2 18			n.a.
S 26	3 49	4n22	3 0	13 49	2 25	5 15	1 9	7 3	0 44	18 32	1 45	4 14	2 38	24 18	0 27	23 58	0 18	12 33	4 51	11 58	12 19	2 15			n.a.
S 27	3 26	9 53	3 49	13 10	2 22	4 44	1 8	6 46	0 44	18 33	1 45	4 13	2 38	24 18	0 27	23 58	0 18	12 33	4 51	11 59	12 20	2 11			n.a.
M28	3 2	15 4	4 29	12 28	2 18	4 13	1 7	6 28	0 44	18 35	1 45	4 11	2 38	24 18	0 27	23 58	0 18	12 33	4 51	12 0	12 21	2 8			n.a.
T 29	2 39	19 45	4 57	11 45	2 14	3 42	1 5	6 11	0 43	18 36	1 44	4 9	2 38	24 18	0 27	23 58	0 18	12 33	4 51	12 2	12 22	2 4			n.a.
W30	2 16	23 40	5 12	11 0	2 9	3 11	1 4	5 53	0 43	18 37	1 44	4 8	2 38	24 18	0 27	23 58	0 18	12 33	4 51	12 3	12 23	2 1			n.a.
T 31	1s53	26n35	5n12	10s13	2s 4	2s40	1s 2	5s36	0s42	18n38	1n44	4s 6	2n39	24s18	0s27	23n58	0n18	12s32	4n51	12s 4	12s24	1s58			n.a.

Julian Day Number = 1101653.5, Delta T = 11h02m08s
Ecliptic obliquity = 23°53'40, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'44, Lahiri = -27°21'44 Julian Calendar 1 March 1697 BCE == Greg. Calendar 16 Feb. 1697 BCE

The year -1696 astronomical counting style corresponds to year 1697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

APRIL 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 39 31	26♓19'22	17♊25	10♓55	26♓59	18♓25	13°R48	16°R15	3♉16	7°R46	16°R49	28°R55	27♒55	20♓45	n.a.	F 1
S 2	11 43 27	27°16'59	0♋30	12°48	28°12	19° 8	13♌44	16♎11	3°17	7♋46	16♏48	28°D55	27°52	20°51	n.a.	S 2
S 3	11 47 24	28°14'34	13°58	14°43	29°26	19°51	13°40	16° 7	3°18	7°D46	16°47	28♒56	27°48	20°58	n.a.	S 3
M 4	11 51 20	29°12'08	27°51	16°40	0♈40	20°34	13°37	16° 3	3°19	7°46	16°46	28°57	27°45	21° 5	n.a.	M 4
T 5	11 55 17	0♈ 9'40	12♌ 8	18°39	1°53	21°17	13°33	15°59	3°20	7°46	16°45	28°58	27°42	21°11	n.a.	T 5
W 6	11 59 13	1° 7'10	26°49	20°39	3° 7	22° 0	13°30	15°55	3°21	7°46	16°44	28°R59	27°39	21°18	n.a.	W 6
T 7	12 3 10	2° 4'38	11♍48	22°41	4°21	22°43	13°27	15°51	3°21	7°46	16°43	28°59	27°36	21°25	n.a.	T 7
F 8	12 7 7	3° 2'05	26°59	24°45	5°35	23°25	13°24	15°47	3°22	7°47	16°42	28°56	27°33	21°31	n.a.	F 8
S 9	12 11 3	3°59'31	12♎12	26°50	6°48	24° 8	13°21	15°42	3°23	7°47	16°41	28°53	27°29	21°38	n.a.	S 9
S 10	12 15 0	4°56'56	27°17	28°57	8° 2	24°51	13°18	15°38	3°23	7°47	16°40	28°48	27°26	21°45	n.a.	S 10
M11	12 18 56	5°54'19	12♏ 5	1♈ 5	9°16	25°33	13°16	15°34	3°24	7°47	16°39	28°43	27°23	21°51	n.a.	M11
T 12	12 22 53	6°51'42	26°28	3°15	10°29	26°16	13°13	15°30	3°24	7°48	16°38	28°38	27°20	21°58	n.a.	T 12
W13	12 26 49	7°49'04	10♐24	5°25	11°43	26°58	13°11	15°25	3°25	7°48	16°37	28°34	27°17	22° 5	n.a.	W13
T 14	12 30 46	8°46'25	23°51	7°36	12°57	27°41	13° 9	15°21	3°25	7°48	16°36	28°31	27°13	22°11	n.a.	T 14
F 15	12 34 42	9°43'45	6♑51	9°47	14°10	28°23	13° 8	15°17	3°26	7°49	16°35	28°D30	27°10	22°18	n.a.	F 15
S 16	12 38 39	10°41'04	19°27	11°59	15°24	29° 5	13° 6	15°12	3°26	7°49	16°34	28°30	27° 7	22°25	n.a.	S 16
S 17	12 42 36	11°38'23	1♒44	14°10	16°38	29°48	13° 5	15° 8	3°26	7°49	16°33	28°31	27° 4	22°31	n.a.	S 17
M18	12 46 32	12°35'41	13°47	16°21	17°51	0♈30	13° 3	15° 3	3°27	7°50	16°31	28°33	27° 1	22°38	n.a.	M18
T 19	12 50 29	13°32'58	25°40	18°31	19° 5	1°12	13° 2	14°59	3°27	7°50	16°30	28°R34	26°58	22°45	n.a.	T 19
W20	12 54 25	14°30'14	7♓28	20°41	20°19	1°54	13° 2	14°55	3°27	7°51	16°29	28°33	26°54	22°51	n.a.	W20
T 21	12 58 22	15°27'29	19°15	22°49	21°32	2°36	13° 1	14°50	3°27	7°52	16°28	28°31	26°51	22°58	n.a.	T 21
F 22	13 2 18	16°24'44	1♈ 3	24°56	22°46	3°18	13° 0	14°46	3°R27	7°52	16°26	28°26	26°48	23° 4	n.a.	F 22
S 23	13 6 15	17°21'58	12°56	27° 2	24° 0	4° 0	13° 0	14°41	3°27	7°53	16°25	28°20	26°45	23°11	n.a.	S 23
S 24	13 10 11	18°19'11	24°55	29° 5	25°13	4°42	13°D 0	14°37	3°27	7°53	16°24	28°12	26°42	23°18	n.a.	S 24
M25	13 14 8	19°16'23	7♉ 1	1♉ 7	26°27	5°24	13° 0	14°33	3°27	7°54	16°23	28° 3	26°39	23°24	n.a.	M25
T 26	13 18 5	20°13'35	19°17	3° 7	27°40	6° 6	13° 0	14°28	3°27	7°55	16°21	27°53	26°35	23°31	n.a.	T 26
W27	13 22 1	21°10'46	1♊43	5° 4	28°54	6°47	13° 1	14°24	3°27	7°56	16°20	27°44	26°32	23°38	n.a.	W27
T 28	13 25 58	22° 7'56	14°21	7° 0	0♉ 8	7°29	13° 1	14°20	3°26	7°56	16°19	27°37	26°29	23°44	n.a.	T 28
F 29	13 29 54	23° 5'05	27°12	8°53	1°21	8°11	13° 2	14°15	3°26	7°57	16°17	27°32	26°26	23°51	n.a.	F 29
S 30	13 33 51	24♈ 2'13	10♋19	10♉44	2♉35	8♈52	13♌ 3	14♎11	3♉26	7♋58	16♏16	27♒29	26♒23	23♓58	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s29	28n14	4n58	9s25	1s58	2s 9	1s 0	5s18	0s42	18n39	1n44	4s 5	2n39	24s18	0s27	23n58	0n18	12s32	4n51	12s 4	12s26	1s54		n.a.
S 2	1 6	28 21	4 28	8 35	1 51	1 37	0 59	5 0	0 41	18 40	1 44	4 3	2 39	24 18	0 27	23 58	0 18	12 32	4 51	12 4	12 27	1 51		n.a.
S 3	0 43	26 50	3 42	7 44	1 44	1 6	0 57	4 43	0 41	18 41	1 43	4 1	2 39	24 18	0 27	23 58	0 18	12 32	4 51	12 4	12 28	1 47		n.a.
M 4	0 19	23 38	2 42	6 51	1 37	0 34	0 55	4 25	0 40	18 42	1 43	4 0	2 39	24 18	0 27	23 58	0 18	12 31	4 51	12 4	12 29	1 44		n.a.
T 5	0n 4	18 56	1 31	5 56	1 29	0 3	0 53	4 7	0 40	18 43	1 43	3 58	2 39	24 18	0 27	23 58	0 18	12 31	4 51	12 3	12 30	1 40		n.a.
W 6	0 27	13 0	0 12	5 0	1 21	0n29	0 52	3 50	0 39	18 44	1 43	3 56	2 39	24 18	0 27	23 58	0 18	12 31	4 51	12 3	12 31	1 37		n.a.
T 7	0 50	6 12	1s10	4 3	1 12	1 0	0 50	3 32	0 39	18 44	1 43	3 55	2 39	24 18	0 27	23 58	0 18	12 30	4 51	12 3	12 32	1 34		n.a.
F 8	1 14	1s 1	2 27	3 5	1 3	1 32	0 48	3 14	0 38	18 45	1 42	3 53	2 39	24 19	0 27	23 58	0 18	12 30	4 51	12 4	12 33	1 30		n.a.
S 9	1 37	8 11	3 34	2 5	0 53	2 3	0 46	2 57	0 38	18 46	1 42	3 51	2 39	24 19	0 28	23 58	0 18	12 30	4 51	12 5	12 34	1 27		n.a.
S 10	2 0	14 49	4 26	1 5	0 43	2 34	0 44	2 39	0 37	18 46	1 42	3 50	2 39	24 19	0 28	23 58	0 18	12 30	4 51	12 7	12 36	1 23		n.a.
M11	2 23	20 28	4 58	0 4	0 33	3 6	0 42	2 21	0 37	18 47	1 42	3 48	2 39	24 19	0 28	23 58	0 18	12 29	4 51	12 9	12 37	1 20		n.a.
T 12	2 46	24 46	5 11	0n58	0 23	3 37	0 40	2 4	0 36	18 47	1 41	3 46	2 39	24 19	0 28	23 58	0 18	12 29	4 51	12 10	12 38	1 17		n.a.
W13	3 9	27 27	5 4	2 0	0 12	4 8	0 38	1 46	0 35	18 47	1 41	3 45	2 39	24 19	0 28	23 58	0 18	12 29	4 51	12 12	12 39	1 13		n.a.
T 14	3 33	28 26	4 41	3 3	0 2	4 40	0 36	1 28	0 35	18 48	1 41	3 43	2 39	24 19	0 28	23 58	0 18	12 28	4 51	12 13	12 40	1 10		n.a.
F 15	3 55	27 47	4 4	4 5	0n 9	5 11	0 33	1 11	0 34	18 48	1 41	3 41	2 39	24 19	0 28	23 58	0 18	12 28	4 51	12 13	12 41	1 6		n.a.
S 16	4 18	25 41	3 16	5 7	0 19	5 42	0 31	0 53	0 34	18 48	1 40	3 40	2 39	24 19	0 28	23 58	0 18	12 28	4 51	12 13	12 42	1 3		n.a.
S 17	4 41	22 26	2 20	6 9	0 30	6 13	0 29	0 36	0 33	18 48	1 40	3 38	2 39	24 19	0 28	23 58	0 18	12 27	4 51	12 13	12 43	1 0		n.a.
M18	5 4	18 16	1 19	7 10	0 40	6 43	0 27	0 18	0 33	18 49	1 40	3 36	2 39	24 19	0 28	23 58	0 18	12 27	4 51	12 12	12 44	0 56		n.a.
T 19	5 27	13 27	0 16	8 9	0 50	7 14	0 25	0 0	0 32	18 49	1 40	3 34	2 39	24 19	0 28	23 58	0 18	12 27	4 51	12 12	12 46	0 53		n.a.
W20	5 49	8 11	0n48	9 8	0 59	7 44	0 22	0n17	0 32	18 49	1 39	3 33	2 39	24 19	0 28	23 58	0 18	12 26	4 51	12 12	12 47	0 49		n.a.
T 21	6 12	2 40	1 50	10 6	1 8	8 15	0 20	0 35	0 31	18 49	1 39	3 31	2 39	24 19	0 28	23 58	0 18	12 26	4 51	12 13	12 48	0 46		n.a.
F 22	6 34	2n58	2 46	11 1	1 17	8 45	0 18	0 52	0 31	18 48	1 39	3 29	2 39	24 19	0 28	23 58	0 18	12 26	4 51	12 14	12 49	0 43		n.a.
S 23	6 57	8 30	3 36	11 56	1 25	9 14	0 15	1 10	0 30	18 48	1 39	3 28	2 39	24 19	0 28	23 57	0 18	12 25	4 51	12 17	12 50	0 39		n.a.
S 24	7 19	13 47	4 16	12 48	1 33	9 44	0 13	1 27	0 30	18 48	1 38	3 26	2 39	24 19	0 28	23 57	0 18	12 25	4 51	12 20	12 51	0 36		n.a.
M25	7 41	18 36	4 46	13 38	1 40	10 14	0 11	1 44	0 29	18 48	1 38	3 24	2 39	24 19	0 28	23 57	0 18	12 25	4 51	12 23	12 52	0 32		n.a.
T 26	8 3	22 43	5 3	14 27	1 46	10 43	0 8	2 2	0 28	18 48	1 38	3 23	2 39	24 19	0 28	23 57	0 18	12 24	4 51	12 26	12 53	0 29		n.a.
W27	8 25	25 52	5 5	15 13	1 52	11 12	0 6	2 19	0 28	18 47	1 38	3 21	2 39	24 19	0 28	23 57	0 18	12 24	4 51	12 29	12 54	0 26		n.a.
T 28	8 47	27 48	4 53	15 57	1 57	11 40	0 4	2 36	0 27	18 47	1 37	3 19	2 39	24 19	0 28	23 57	0 18	12 24	4 51	12 32	12 55	0 22		n.a.
F 29	9 8	28 18	4 26	16 38	2 1	12 9	0 1	2 54	0 27	18 46	1 37	3 18	2 38	24 19	0 28	23 57	0 18	12 23	4 51	12 34	12 57	0 19		n.a.
S 30	9n30	27n13	3n45	17n18	2n 5	12n37	0n 1	3n11	0s26	18n46	1n37	3s16	2n38	24s19	0s28	23n57	0n18	12s23	4n51	12s35	12s58	0s15		n.a.

Julian Day Number = 1101684.5, Delta T = 11h02m06s
Ecliptic obliquity = 23°53'40, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'40, Lahiri = -27°21'40 Julian Calendar 1 Apr. 1697 BCE == Greg. Calendar 18 March 1697 BCE

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

MAY 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 37 47	24♈59'21	23♋43	12♉32	3♉48	9♈34	13♌ 4	14°R 7	3°R25	7♋59	16°R14	27°D28	26♒19	24♓ 4	n.a.	S 1
M 2	13 41 44	25°56'27	7♌27	14°18	5° 2	10°15	13° 6	14♎ 2	3♊25	8° 0	16♏13	27♒29	26°16	24°11	n.a.	M 2
T 3	13 45 40	26°53'33	21°32	16° 1	6°16	10°57	13° 7	13°58	3°24	8° 1	16°12	27°R29	26°13	24°18	n.a.	T 3
W 4	13 49 37	27°50'38	5♍57	17°42	7°29	11°38	13° 9	13°54	3°24	8° 2	16°10	27°29	26°10	24°24	n.a.	W 4
T 5	13 53 34	28°47'42	20°41	19°21	8°43	12°20	13°11	13°50	3°23	8° 3	16° 9	27°27	26° 7	24°31	n.a.	T 5
F 6	13 57 30	29°44'45	5♎37	20°57	9°56	13° 1	13°13	13°46	3°23	8° 4	16° 7	27°23	26° 4	24°38	n.a.	F 6
S 7	14 1 27	0♉41'48	20°39	22°31	11°10	13°42	13°15	13°42	3°22	8° 5	16° 6	27°16	26° 0	24°44	n.a.	S 7
S 8	14 5 23	1°38'51	5♏37	24° 2	12°23	14°23	13°17	13°38	3°21	8° 6	16° 4	27° 8	25°57	24°51	n.a.	S 8
M 9	14 9 20	2°35'53	20°23	25°30	13°37	15° 4	13°20	13°33	3°20	8° 7	16° 3	26°58	25°54	24°58	n.a.	M 9
T 10	14 13 16	3°32'56	4♐48	26°56	14°51	15°45	13°22	13°29	3°20	8° 8	16° 2	26°49	25°51	25° 4	n.a.	T 10
W11	14 17 13	4°29'58	18°48	28°19	16° 4	16°26	13°25	13°26	3°19	8° 9	16° 0	26°40	25°48	25°11	n.a.	W11
T 12	14 21 10	5°27'00	2♑18	29°40	17°18	17° 7	13°28	13°22	3°18	8°11	15°59	26°34	25°44	25°18	n.a.	T 12
F 13	14 25 6	6°24'03	15°22	0♒58	18°31	17°48	13°31	13°18	3°17	8°12	15°57	26°30	25°41	25°24	n.a.	F 13
S 14	14 29 3	7°21'05	28° 0	2°13	19°45	18°29	13°35	13°14	3°16	8°13	15°56	26°28	25°38	25°31	n.a.	S 14
S 15	14 32 59	8°18'08	10♒18	3°26	20°58	19°10	13°38	13°10	3°15	8°14	15°54	26°D28	25°35	25°38	n.a.	S 15
M16	14 36 56	9°15'11	22°21	4°36	22°12	19°51	13°42	13° 6	3°14	8°16	15°53	26°R28	25°32	25°44	n.a.	M16
T 17	14 40 52	10°12'14	4♓13	5°42	23°25	20°32	13°46	13° 3	3°13	8°17	15°51	26°28	25°29	25°51	n.a.	T 17
W18	14 44 49	11° 9'17	16° 1	6°46	24°39	21°12	13°50	12°59	3°12	8°18	15°49	26°26	25°25	25°58	n.a.	W18
T 19	14 48 45	12° 6'20	27°49	7°47	25°52	21°53	13°54	12°56	3°10	8°20	15°48	26°22	25°22	26° 4	n.a.	T 19
F 20	14 52 42	13° 3'24	9♈41	8°45	27° 6	22°34	13°59	12°52	3° 9	8°21	15°46	26°16	25°19	26°11	n.a.	F 20
S 21	14 56 39	14° 0'28	21°40	9°39	28°19	23°14	14° 3	12°49	3° 8	8°23	15°45	26° 7	25°16	26°18	n.a.	S 21
S 22	15 0 35	14°57'32	3♉48	10°30	29°33	23°55	14° 8	12°45	3° 7	8°24	15°43	25°56	25°13	26°24	n.a.	S 22
M23	15 4 32	15°54'37	16° 7	11°17	0♒46	24°35	14°13	12°42	3° 5	8°26	15°42	25°43	25°10	26°31	n.a.	M23
T 24	15 8 28	16°51'42	28°38	12° 1	2° 0	25°16	14°18	12°39	3° 4	8°27	15°40	25°30	25° 6	26°38	n.a.	T 24
W25	15 12 25	17°48'47	11♒20	12°41	3°13	25°56	14°23	12°35	3° 2	8°29	15°39	25°18	25° 3	26°44	n.a.	W25
T 26	15 16 21	18°45'52	24°14	13°18	4°27	26°36	14°28	12°32	3° 1	8°30	15°37	25° 7	25° 0	26°51	n.a.	T 26
F 27	15 20 18	19°42'58	7♋20	13°50	5°41	27°16	14°33	12°29	3° 0	8°32	15°36	25° 0	24°57	26°58	n.a.	F 27
S 28	15 24 15	20°40'03	20°38	14°18	6°54	27°57	14°39	12°26	2°58	8°33	15°34	24°55	24°54	27° 4	n.a.	S 28
S 29	15 28 11	21°37'09	4♌ 8	14°42	8° 8	28°37	14°45	12°23	2°56	8°35	15°33	24°53	24°50	27°11	n.a.	S 29
M30	15 32 8	22°34'15	17°52	15° 1	9°21	29°17	14°51	12°20	2°55	8°37	15°31	24°52	24°47	27°18	n.a.	M30
T 31	15 36 4	23♉31'20	1♍49	15♒16	10♒34	29♈57	14♌57	12♎18	2♊53	8♋38	15♏30	24♒52	24♒44	27♓24	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	9n51	24n34	2n51	17n55	2n 8	13n 5	0n 4	3n28	0s26	18n45	1n37	3s15	2n38	24s19	0s28	23n57	0n18	12s23	4n51	12s35	12s59	0s12			n.a.
M 2	10 12	20 27	1 45	18 30	2 10	13 32	0 6	3 45	0 25	18 44	1 36	3 13	2 38	24 19	0 28	23 57	0 18	12 22	4 50	12 35	13 0	0 9			n.a.
T 3	10 33	15 6	0 32	19 3	2 12	14 0	0 8	4 2	0 24	18 44	1 36	3 11	2 38	24 19	0 28	23 57	0 18	12 22	4 50	12 34	13 1	0 5			n.a.
W 4	10 54	8 48	0s45	19 33	2 13	14 26	0 11	4 19	0 24	18 43	1 36	3 10	2 38	24 19	0 28	23 57	0 18	12 22	4 50	12 35	13 2	0 2			n.a.
T 5	11 15	1 55	2 1	20 2	2 13	14 53	0 13	4 36	0 23	18 42	1 36	3 8	2 38	24 19	0 28	23 57	0 18	12 21	4 50	12 35	13 3	0n 2			n.a.
F 6	11 36	5s 9	3 9	20 28	2 12	15 19	0 16	4 53	0 23	18 41	1 35	3 7	2 38	24 19	0 28	23 57	0 18	12 21	4 50	12 37	13 4	0 5			n.a.
S 7	11 56	11 58	4 4	20 52	2 11	15 45	0 18	5 10	0 22	18 41	1 35	3 5	2 38	24 19	0 28	23 57	0 18	12 20	4 50	12 39	13 5	0 8			n.a.
S 8	12 16	18 4	4 42	21 13	2 9	16 10	0 20	5 27	0 22	18 40	1 35	3 4	2 38	24 19	0 28	23 57	0 18	12 20	4 50	12 42	13 6	0 12			n.a.
M 9	12 36	23 0	5 1	21 33	2 7	16 35	0 23	5 43	0 21	18 39	1 35	3 2	2 37	24 19	0 28	23 57	0 18	12 20	4 50	12 45	13 8	0 15			n.a.
T 10	12 56	26 25	5 0	21 51	2 4	17 0	0 25	6 0	0 20	18 38	1 34	3 1	2 37	24 20	0 28	23 57	0 18	12 19	4 50	12 49	13 9	0 19			n.a.
W11	13 16	28 5	4 41	22 6	2 0	17 24	0 27	6 17	0 20	18 36	1 34	2 59	2 37	24 20	0 28	23 57	0 18	12 19	4 50	12 52	13 10	0 22			n.a.
T 12	13 35	27 59	4 7	22 20	1 55	17 48	0 30	6 33	0 19	18 35	1 34	2 58	2 37	24 20	0 28	23 56	0 18	12 19	4 50	12 54	13 11	0 25			n.a.
F 13	13 54	26 18	3 20	22 32	1 50	18 11	0 32	6 50	0 19	18 34	1 33	2 57	2 37	24 20	0 29	23 56	0 18	12 18	4 50	12 55	13 12	0 29			n.a.
S 14	14 14	23 20	2 25	22 42	1 44	18 33	0 34	7 6	0 18	18 33	1 33	2 55	2 37	24 20	0 29	23 56	0 18	12 18	4 50	12 56	13 13	0 32			n.a.
S 15	14 32	19 21	1 25	22 50	1 38	18 56	0 37	7 22	0 18	18 32	1 33	2 54	2 37	24 20	0 29	23 56	0 18	12 18	4 50	12 56	13 14	0 36			n.a.
M16	14 51	14 40	0 22	22 57	1 31	19 18	0 39	7 39	0 17	18 30	1 33	2 53	2 36	24 20	0 29	23 56	0 18	12 17	4 50	12 56	13 15	0 39			n.a.
T 17	15 9	9 31	0n41	23 1	1 23	19 39	0 41	7 55	0 16	18 29	1 32	2 51	2 36	24 20	0 29	23 56	0 18	12 17	4 49	12 56	13 16	0 42			n.a.
W18	15 28	4 3	1 42	23 4	1 14	20 0	0 43	8 11	0 16	18 27	1 32	2 50	2 36	24 20	0 29	23 56	0 18	12 17	4 49	12 56	13 17	0 46			n.a.
T 19	15 46	1n32	2 38	23 6	1 5	20 20	0 46	8 27	0 15	18 26	1 32	2 49	2 36	24 20	0 29	23 56	0 18	12 16	4 49	12 58	13 18	0 49			n.a.
F 20	16 3	7 5	3 28	23 6	0 56	20 39	0 48	8 43	0 15	18 24	1 32	2 47	2 36	24 20	0 29	23 56	0 18	12 16	4 49	13 0	13 20	0 52			n.a.
S 21	16 21	12 26	4 9	23 4	0 46	20 58	0 50	8 59	0 14	18 23	1 31	2 46	2 36	24 20	0 29	23 56	0 18	12 15	4 49	13 3	13 21	0 56			n.a.
S 22	16 38	17 22	4 39	23 2	0 35	21 17	0 52	9 15	0 13	18 21	1 31	2 45	2 35	24 20	0 29	23 56	0 18	12 15	4 49	13 7	13 22	0 59			n.a.
M23	16 55	21 41	4 56	22 57	0 24	21 35	0 54	9 30	0 13	18 20	1 31	2 44	2 35	24 20	0 29	23 56	0 18	12 15	4 49	13 11	13 23	1 3			n.a.
T 24	17 11	25 6	5 0	22 52	0 12	21 52	0 56	9 46	0 12	18 18	1 31	2 43	2 35	24 20	0 29	23 55	0 18	12 14	4 49	13 16	13 24	1 6			n.a.
W25	17 28	27 20	4 49	22 45	0s 0	22 9	0 58	10 1	0 11	18 16	1 30	2 42	2 35	24 20	0 29	23 55	0 18	12 14	4 49	13 20	13 25	1 9			n.a.
T 26	17 44	28 9	4 23	22 37	0 13	22 25	1 0	10 17	0 11	18 14	1 30	2 41	2 35	24 20	0 29	23 55	0 18	12 14	4 49	13 23	13 26	1 13			n.a.
F 27	18 0	27 24	3 43	22 28	0 26	22 41	1 2	10 32	0 10	18 12	1 30	2 40	2 34	24 20	0 29	23 55	0 18	12 13	4 48	13 26	13 27	1 16			n.a.
S 28	18 15	25 5	2 50	22 18	0 40	22 55	1 4	10 48	0 10	18 11	1 30	2 39	2 34	24 21	0 29	23 55	0 18	12 13	4 48	13 28	13 28	1 20			n.a.
S 29	18 31	21 19	1 47	22 7	0 54	23 10	1 6	11 3	0 9	18 9	1 30	2 38	2 34	24 21	0 29	23 55	0 18	12 13	4 48	13 29	13 29	1 23			n.a.
M30	18 46	16 21	0 37	21 55	1 8	23 23	1 8	11 18	0 8	18 7	1 29	2 37	2 34	24 21	0 29	23 55	0 18	12 12	4 48	13 29	13 30	1 26			n.a.
T 31	19n 0	10n27	0s37	21n42	1s23	23n36	1n 9	11n33	0s 8	18n 5	1n29	2s36	2n34	24s21	0s29	23n55	0n18	12s12	4n48	13s29	13s31	1n30			n.a.

Julian Day Number = 1101714.5, Delta T = 11h02m04s
Ecliptic obliquity = 23°53'40, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'36, Lahiri = -27°21'36 Julian Calendar 1 May 1697 BCE == Greg. Calendar 17 Apr. 1697 BCE

The year -1696 astronomical counting style corresponds to year 1697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

JUNE 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 40 1	24♉28'26	16♍ 1	15♊27	11♊48	0♉37	15♌ 3	12°R15	2°R51	8♋40	15°R28	24°R51	24♒41	27♓31	n.a.	W 1
T 2	15 43 57	25°25'33	0♎27	15°32	13° 1	1°17	15° 9	12♎12	2♏50	8°42	15♏27	24♒49	24°38	27°38	n.a.	T 2
F 3	15 47 54	26°22'39	15° 2	15°R33	14°15	1°57	15°15	12°10	2°48	8°44	15°25	24°43	24°35	27°44	n.a.	F 3
S 4	15 51 50	27°19'46	29°42	15°28	15°28	2°37	15°22	12° 7	2°46	8°45	15°24	24°36	24°31	27°51	n.a.	S 4
S 5	15 55 47	28°16'54	14♏21	15°19	16°42	3°17	15°29	12° 5	2°44	8°47	15°22	24°26	24°28	27°58	n.a.	S 5
M 6	15 59 44	29°14'02	28°51	15° 5	17°55	3°56	15°36	12° 3	2°43	8°49	15°21	24°14	24°25	28° 4	n.a.	M 6
T 7	16 3 40	0♐11'11	13♐ 5	14°47	19° 9	4°36	15°43	12° 0	2°41	8°51	15°19	24° 3	24°22	28°11	n.a.	T 7
W 8	16 7 37	1° 8'20	26°57	14°24	20°22	5°16	15°50	11°58	2°39	8°53	15°18	23°53	24°19	28°18	n.a.	W 8
T 9	16 11 33	2° 5'31	10♑24	13°56	21°35	5°55	15°57	11°56	2°37	8°54	15°16	23°45	24°16	28°24	n.a.	T 9
F 10	16 15 30	3° 2'42	23°26	13°25	22°49	6°35	16° 4	11°54	2°35	8°56	15°15	23°40	24°12	28°31	n.a.	F 10
S 11	16 19 26	3°59'55	6♒ 5	12°50	24° 2	7°15	16°12	11°52	2°33	8°58	15°13	23°37	24° 9	28°38	n.a.	S 11
S 12	16 23 23	4°57'09	18°25	12°13	25°16	7°54	16°19	11°51	2°31	9° 0	15°12	23°36	24° 6	28°44	n.a.	S 12
M13	16 27 20	5°54'23	0♓29	11°32	26°29	8°34	16°27	11°49	2°29	9° 2	15°11	23°36	24° 3	28°51	n.a.	M13
T 14	16 31 16	6°51'39	12°22	10°50	27°43	9°13	16°35	11°47	2°27	9° 4	15° 9	23°36	24° 0	28°58	n.a.	T 14
W15	16 35 13	7°48'56	24°12	10° 7	28°56	9°52	16°43	11°46	2°25	9° 6	15° 8	23°35	23°56	29° 4	n.a.	W15
T 16	16 39 9	8°46'14	6♈ 2	9°23	0♋ 9	10°32	16°51	11°44	2°23	9° 8	15° 7	23°32	23°53	29°11	n.a.	T 16
F 17	16 43 6	9°43'34	17°57	8°39	1°23	11°11	16°59	11°43	2°20	9°10	15° 5	23°26	23°50	29°18	n.a.	F 17
S 18	16 47 2	10°40'55	0♉ 2	7°57	2°36	11°50	17° 8	11°42	2°18	9°12	15° 4	23°18	23°47	29°24	n.a.	S 18
S 19	16 50 59	11°38'17	12°20	7°17	3°49	12°29	17°16	11°41	2°16	9°14	15° 2	23° 8	23°44	29°31	n.a.	S 19
M20	16 54 56	12°35'40	24°51	6°39	5° 3	13° 9	17°25	11°40	2°14	9°16	15° 1	22°57	23°41	29°38	n.a.	M20
T 21	16 58 52	13°33'05	7♊38	6° 5	6°16	13°48	17°33	11°39	2°12	9°18	15° 0	22°45	23°37	29°45	n.a.	T 21
W22	17 2 49	14°30'31	20°40	5°35	7°30	14°27	17°42	11°38	2° 9	9°20	14°59	22°34	23°34	29°51	n.a.	W22
T 23	17 6 45	15°27'58	3♋55	5°10	8°43	15° 6	17°51	11°37	2° 7	9°22	14°57	22°24	23°31	29°58	n.a.	T 23
F 24	17 10 42	16°25'26	17°22	4°50	9°56	15°45	18° 0	11°36	2° 5	9°24	14°56	22°17	23°28	0♈ 5	n.a.	F 24
S 25	17 14 38	17°22'56	1♌ 0	4°35	11°10	16°24	18° 9	11°36	2° 3	9°26	14°55	22°13	23°25	0°11	n.a.	S 25
S 26	17 18 35	18°20'26	14°46	4°27	12°23	17° 2	18°19	11°35	2° 0	9°28	14°54	22°11	23°22	0°18	n.a.	S 26
M27	17 22 31	19°17'58	28°40	4°D26	13°36	17°41	18°28	11°35	1°58	9°30	14°52	22°D11	23°18	0°25	n.a.	M27
T 28	17 26 28	20°15'30	12♍41	4°31	14°49	18°20	18°37	11°34	1°56	9°32	14°51	22°12	23°15	0°31	n.a.	T 28
W29	17 30 25	21°13'03	26°49	4°42	16° 3	18°59	18°47	11°34	1°53	9°35	14°50	22°R12	23°12	0°38	n.a.	W29
T 30	17 34 21	22♊10'38	11♎ 2	5♊ 1	17♋16	19♉37	18♌56	11♎34	1♏51	9♋37	14♏49	22♒10	23♒ 9	0♈45	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19n15	3n56	1s49	21n28	1s37	23n48	1n11	11n48	0s 7	18n 2	1n29	2s35	2n33	24s21	0s29	23n55	0n18	12s12	4n48	13s29	13s33	1n33		n.a.
T 2	19 29	2s52	2 56	21 14	1 52	24 0	1 13	12 2	0 7	18 0	1 29	2 34	2 33	24 21	0 29	23 55	0 18	12 12	4 48	13 30	13 34	1 36		n.a.
F 3	19 43	9 35	3 52	20 59	2 7	24 10	1 14	12 17	0 6	17 58	1 28	2 33	2 33	24 21	0 29	23 54	0 18	12 11	4 48	13 32	13 35	1 40		n.a.
S 4	19 56	15 49	4 33	20 44	2 22	24 21	1 16	12 32	0 5	17 56	1 28	2 33	2 33	24 21	0 29	23 54	0 18	12 11	4 47	13 34	13 36	1 43		n.a.
S 5	20 9	21 9	4 56	20 28	2 37	24 30	1 17	12 46	0 5	17 54	1 28	2 32	2 33	24 21	0 29	23 54	0 18	12 11	4 47	13 38	13 37	1 47		n.a.
M 6	20 22	25 9	4 59	20 12	2 51	24 39	1 19	13 0	0 4	17 51	1 28	2 31	2 32	24 21	0 29	23 54	0 18	12 10	4 47	13 42	13 38	1 50		n.a.
T 7	20 34	27 30	4 44	19 56	3 5	24 46	1 20	13 15	0 3	17 49	1 27	2 30	2 32	24 21	0 29	23 54	0 18	12 10	4 47	13 45	13 39	1 53		n.a.
W 8	20 47	28 4	4 13	19 40	3 19	24 54	1 22	13 29	0 3	17 47	1 27	2 30	2 32	24 21	0 29	23 54	0 18	12 10	4 47	13 49	13 40	1 57		n.a.
T 9	20 58	26 55	3 27	19 24	3 32	25 0	1 23	13 43	0 2	17 44	1 27	2 29	2 32	24 21	0 29	23 54	0 18	12 9	4 47	13 51	13 41	2 0		n.a.
F 10	21 10	24 19	2 32	19 9	3 44	25 6	1 24	13 57	0 2	17 42	1 27	2 29	2 31	24 21	0 29	23 54	0 18	12 9	4 47	13 53	13 42	2 3		n.a.
S 11	21 21	20 35	1 31	18 54	3 55	25 11	1 25	14 11	0 1	17 39	1 27	2 28	2 31	24 21	0 29	23 53	0 18	12 9	4 46	13 54	13 43	2 7		n.a.
S 12	21 32	16 2	0 27	18 39	4 4	25 15	1 27	14 24	0 0	17 37	1 26	2 28	2 31	24 21	0 29	23 53	0 18	12 9	4 46	13 54	13 44	2 10		n.a.
M13	21 42	10 57	0n36	18 25	4 13	25 18	1 28	14 38	0n 0	17 34	1 26	2 27	2 31	24 21	0 29	23 53	0 18	12 8	4 46	13 54	13 45	2 14		n.a.
T 14	21 52	5 32	1 38	18 12	4 20	25 21	1 29	14 51	0 1	17 32	1 26	2 27	2 30	24 22	0 29	23 53	0 18	12 8	4 46	13 55	13 47	2 17		n.a.
W15	22 2	0n 1	2 35	18 0	4 26	25 23	1 30	15 5	0 2	17 29	1 26	2 26	2 30	24 22	0 29	23 53	0 18	12 8	4 46	13 55	13 48	2 20		n.a.
T 16	22 11	5 34	3 25	17 50	4 30	25 24	1 30	15 18	0 2	17 26	1 26	2 26	2 30	24 22	0 29	23 53	0 18	12 8	4 46	13 56	13 49	2 24		n.a.
F 17	22 20	10 57	4 7	17 41	4 32	25 24	1 31	15 31	0 3	17 24	1 25	2 26	2 30	24 22	0 29	23 53	0 18	12 7	4 45	13 58	13 50	2 27		n.a.
S 18	22 28	16 1	4 38	17 34	4 33	25 24	1 32	15 44	0 4	17 21	1 25	2 26	2 29	24 22	0 29	23 53	0 18	12 7	4 45	14 0	13 51	2 30		n.a.
S 19	22 36	20 31	4 57	17 28	4 32	25 23	1 33	15 57	0 4	17 18	1 25	2 25	2 29	24 22	0 29	23 52	0 19	12 7	4 45	14 4	13 52	2 34		n.a.
M20	22 44	24 12	5 2	17 25	4 29	25 21	1 33	16 9	0 5	17 15	1 25	2 25	2 29	24 22	0 29	23 52	0 19	12 7	4 45	14 8	13 53	2 37		n.a.
T 21	22 52	26 48	4 52	17 24	4 24	25 18	1 34	16 22	0 6	17 12	1 25	2 25	2 29	24 22	0 29	23 52	0 19	12 7	4 45	14 12	13 54	2 40		n.a.
W22	22 58	28 0	4 27	17 24	4 18	25 15	1 34	16 34	0 6	17 9	1 24	2 25	2 28	24 22	0 29	23 52	0 19	12 6	4 45	14 15	13 55	2 44		n.a.
T 23	23 5	27 37	3 47	17 27	4 11	25 11	1 35	16 47	0 7	17 6	1 24	2 25	2 28	24 22	0 29	23 52	0 19	12 6	4 44	14 18	13 56	2 47		n.a.
F 24	23 11	25 37	2 54	17 32	4 2	25 6	1 35	16 59	0 7	17 3	1 24	2 25	2 28	24 22	0 29	23 52	0 19	12 6	4 44	14 21	13 57	2 50		n.a.
S 25	23 17	22 7	1 50	17 40	3 52	25 0	1 35	17 11	0 8	17 0	1 24	2 25	2 28	24 22	0 29	23 52	0 19	12 6	4 44	14 22	13 58	2 54		n.a.
S 26	23 22	17 20	0 39	17 50	3 40	24 53	1 35	17 23	0 9	16 57	1 24	2 25	2 27	24 22	0 29	23 51	0 19	12 6	4 44	14 23	13 59	2 57		n.a.
M27	23 27	11 37	0s35	18 1	3 28	24 46	1 36	17 35	0 9	16 54	1 23	2 25	2 27	24 22	0 29	23 51	0 19	12 5	4 44	14 23	14 0	3 1		n.a.
T 28	23 32	5 17	1 47	18 15	3 15	24 38	1 36	17 46	0 10	16 51	1 23	2 25	2 27	24 22	0 30	23 51	0 19	12 5	4 43	14 23	14 1	3 4		n.a.
W29	23 36	1s22	2 54	18 31	3 1	24 29	1 36	17 58	0 11	16 48	1 23	2 25	2 26	24 22	0 30	23 51	0 19	12 5	4 43	14 23	14 3	3 7		n.a.
T 30	23n39	7s58	3s50	18n49	2s46	24n20	1n36	18n 9	0n11	16n44	1n23	2s25	2n26	24s22	0s30	23n51	0n19	12s 5	4n43	14s23	14s 4	3n11		n.a.

Julian Day Number = 1101745.5, Delta T = 11h02m02s
Ecliptic obliquity = 23°53'39, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'32, Lahiri = -27°21'31 Julian Calendar 1 June 1697 BCE == Greg. Calendar 18 May 1697 BCE

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

JULY 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 38 18	23♊ 8'14	25♎18	5♊27	18♋29	20♉16	19♌ 6	11°D34	1°R49	9♋39	14°R48	22°R 7	23♒ 6	0♈51	n.a.	F 1
S 2	17 42 14	24° 5'50	9♏34	6° 0	19°42	20°55	19°16	11♎34	1♑46	9°41	14♏47	22♒ 1	23° 2	0°58	n.a.	S 2
S 3	17 46 11	25° 3'29	23°47	6°40	20°56	21°33	19°26	11°34	1°44	9°43	14°46	21°53	22°59	1° 5	n.a.	S 3
M 4	17 50 7	26° 1'08	7♐51	7°26	22° 9	22°12	19°36	11°34	1°42	9°45	14°45	21°44	22°56	1°11	n.a.	M 4
T 5	17 54 4	26°58'49	21°43	8°20	23°22	22°50	19°46	11°35	1°39	9°48	14°44	21°35	22°53	1°18	n.a.	T 5
W 6	17 58 0	27°56'32	5♑17	9°20	24°35	23°29	19°56	11°35	1°37	9°50	14°43	21°27	22°50	1°25	n.a.	W 6
T 7	18 1 57	28°54'16	18°32	10°26	25°48	24° 7	20° 6	11°36	1°34	9°52	14°42	21°21	22°47	1°31	n.a.	T 7
F 8	18 5 54	29°52'02	1♒26	11°38	27° 1	24°45	20°17	11°36	1°32	9°54	14°41	21°17	22°43	1°38	n.a.	F 8
S 9	18 9 50	0♋49'50	14° 1	12°57	28°15	25°23	20°27	11°37	1°30	9°56	14°40	21°15	22°40	1°45	n.a.	S 9
S 10	18 13 47	1°47'40	26°18	14°20	29°28	26° 2	20°38	11°38	1°27	9°58	14°39	21°D15	22°37	1°51	n.a.	S 10
M11	18 17 43	2°45'31	8♓22	15°49	0♌41	26°40	20°48	11°39	1°25	10° 1	14°38	21°16	22°34	1°58	n.a.	M11
T 12	18 21 40	3°43'24	20°17	17°22	1°54	27°18	20°59	11°40	1°22	10° 3	14°37	21°17	22°31	2° 5	n.a.	T 12
W13	18 25 36	4°41'19	2♈ 7	19° 0	3° 7	27°56	21°10	11°41	1°20	10° 5	14°36	21°R18	22°28	2°11	n.a.	W13
T 14	18 29 33	5°39'17	13°58	20°42	4°20	28°34	21°21	11°42	1°18	10° 7	14°35	21°18	22°24	2°18	n.a.	T 14
F 15	18 33 29	6°37'16	25°56	22°26	5°33	29°12	21°32	11°43	1°15	10°10	14°35	21°16	22°21	2°25	n.a.	F 15
S 16	18 37 26	7°35'17	8♉ 4	24°14	6°46	29°50	21°43	11°45	1°13	10°12	14°34	21°12	22°18	2°31	n.a.	S 16
S 17	18 41 23	8°33'21	20°26	26° 5	7°59	0♊28	21°54	11°46	1°11	10°14	14°33	21° 6	22°15	2°38	n.a.	S 17
M18	18 45 19	9°31'26	3♊ 6	27°57	9°12	1° 6	22° 5	11°48	1° 8	10°16	14°32	21° 0	22°12	2°45	n.a.	M18
T 19	18 49 16	10°29'34	16° 5	29°51	10°25	1°44	22°16	11°50	1° 6	10°18	14°32	20°53	22° 8	2°51	n.a.	T 19
W20	18 53 12	11°27'44	29°23	1♋46	11°38	2°21	22°28	11°51	1° 4	10°21	14°31	20°46	22° 5	2°58	n.a.	W20
T 21	18 57 9	12°25'55	13♋ 0	3°43	12°51	2°59	22°39	11°53	1° 1	10°23	14°30	20°41	22° 2	3° 5	n.a.	T 21
F 22	19 1 5	13°24'09	26°51	5°39	14° 4	3°37	22°50	11°55	0°59	10°25	14°30	20°37	21°59	3°12	n.a.	F 22
S 23	19 5 2	14°22'24	10♌54	7°36	15°16	4°15	23° 2	11°57	0°57	10°27	14°29	20°35	21°56	3°18	n.a.	S 23
S 24	19 8 58	15°20'41	25° 5	9°33	16°29	4°52	23°13	11°59	0°54	10°30	14°29	20°D34	21°53	3°25	n.a.	S 24
M25	19 12 55	16°19'00	9♍20	11°30	17°42	5°30	23°25	12° 2	0°52	10°32	14°28	20°35	21°49	3°32	n.a.	M25
T 26	19 16 52	17°17'21	23°36	13°27	18°55	6° 7	23°37	12° 4	0°50	10°34	14°28	20°37	21°46	3°38	n.a.	T 26
W27	19 20 48	18°15'43	7♎51	15°23	20° 8	6°45	23°49	12° 6	0°47	10°36	14°27	20°38	21°43	3°45	n.a.	W27
T 28	19 24 45	19°14'07	22° 1	17°18	21°20	7°22	24° 0	12° 9	0°45	10°38	14°27	20°R38	21°40	3°52	n.a.	T 28
F 29	19 28 41	20°12'32	6♏ 6	19°13	22°33	7°59	24°12	12°11	0°43	10°41	14°26	20°37	21°37	3°58	n.a.	F 29
S 30	19 32 38	21°11'00	20° 4	21° 6	23°46	8°36	24°24	12°14	0°41	10°43	14°26	20°35	21°34	4° 5	n.a.	S 30
S 31	19 36 34	22♋ 9'29	3♐53	22♋59	24♌58	9♊14	24♌36	12♎17	0♑39	10♋45	14♏25	20♒32	21♒30	4♈12	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n43	14s11	4s33	19n 8	2s32	24n10	1n35	18n21	0n12	16n41	1n23	2s26	2n26	24s22	0s30	23n51	0n19	12s 5	4n43	14s24	14s 5	3n14		n.a.
S 2	23 46	19 39	4 58	19 29	2 16	23 59	1 35	18 32	0 13	16 38	1 23	2 26	2 26	24 22	0 30	23 51	0 19	12 5	4 43	14 26	14 6	3 17		n.a.
S 3	23 48	23 59	5 5	19 51	2 1	23 47	1 35	18 43	0 13	16 34	1 22	2 26	2 25	24 23	0 30	23 50	0 19	12 5	4 42	14 29	14 7	3 21		n.a.
M 4	23 50	26 51	4 53	20 14	1 45	23 35	1 34	18 53	0 14	16 31	1 22	2 26	2 25	24 23	0 30	23 50	0 19	12 4	4 42	14 32	14 8	3 24		n.a.
T 5	23 51	28 2	4 24	20 38	1 29	23 22	1 34	19 4	0 15	16 28	1 22	2 27	2 25	24 23	0 30	23 50	0 19	12 4	4 42	14 35	14 9	3 27		n.a.
W 6	23 53	27 28	3 41	21 3	1 14	23 9	1 33	19 15	0 15	16 24	1 22	2 27	2 25	24 23	0 30	23 50	0 19	12 4	4 42	14 37	14 10	3 31		n.a.
T 7	23 53	25 20	2 47	21 28	0 59	22 54	1 33	19 25	0 16	16 21	1 22	2 28	2 24	24 23	0 30	23 50	0 19	12 4	4 42	14 39	14 11	3 34		n.a.
F 8	23 54	21 55	1 45	21 53	0 44	22 39	1 32	19 35	0 17	16 17	1 22	2 28	2 24	24 23	0 30	23 50	0 19	12 4	4 41	14 41	14 12	3 37		n.a.
S 9	23 53	17 33	0 39	22 18	0 29	22 24	1 31	19 45	0 17	16 14	1 21	2 29	2 24	24 23	0 30	23 49	0 19	12 4	4 41	14 41	14 13	3 41		n.a.
S 10	23 53	12 34	0n27	22 42	0 15	22 7	1 30	19 55	0 18	16 10	1 21	2 29	2 24	24 23	0 30	23 49	0 19	12 4	4 41	14 41	14 14	3 44		n.a.
M11	23 52	7 11	1 31	23 6	0 2	21 51	1 30	20 5	0 19	16 7	1 21	2 30	2 23	24 23	0 30	23 49	0 19	12 4	4 41	14 41	14 15	3 47		n.a.
T 12	23 50	1 38	2 30	23 28	0n11	21 33	1 29	20 15	0 20	16 3	1 21	2 31	2 23	24 23	0 30	23 49	0 19	12 4	4 41	14 40	14 16	3 51		n.a.
W13	23 49	3n57	3 23	23 49	0 23	21 15	1 27	20 24	0 20	15 59	1 21	2 31	2 23	24 23	0 30	23 49	0 19	12 4	4 40	14 40	14 17	3 54		n.a.
T 14	23 46	9 23	4 6	24 8	0 35	20 56	1 26	20 34	0 21	15 56	1 21	2 32	2 22	24 23	0 30	23 49	0 19	12 4	4 40	14 40	14 18	3 57		n.a.
F 15	23 43	14 32	4 40	24 26	0 45	20 37	1 25	20 43	0 22	15 52	1 21	2 33	2 22	24 23	0 30	23 49	0 19	12 4	4 40	14 41	14 19	4 1		n.a.
S 16	23 40	19 12	5 1	24 41	0 55	20 17	1 24	20 52	0 22	15 48	1 20	2 34	2 22	24 23	0 30	23 48	0 19	12 4	4 40	14 42	14 20	4 4		n.a.
S 17	23 37	23 9	5 9	24 54	1 4	19 57	1 22	21 1	0 23	15 44	1 20	2 34	2 22	24 23	0 30	23 48	0 19	12 4	4 39	14 44	14 22	4 7		n.a.
M18	23 33	26 7	5 2	25 5	1 12	19 36	1 21	21 9	0 24	15 40	1 20	2 35	2 21	24 23	0 30	23 48	0 19	12 4	4 39	14 46	14 23	4 11		n.a.
T 19	23 28	27 48	4 40	25 13	1 20	19 14	1 19	21 18	0 24	15 37	1 20	2 36	2 21	24 23	0 30	23 48	0 19	12 4	4 39	14 48	14 24	4 14		n.a.
W20	23 23	27 56	4 2	25 19	1 26	18 52	1 18	21 26	0 25	15 33	1 20	2 37	2 21	24 23	0 30	23 48	0 19	12 4	4 39	14 51	14 25	4 17		n.a.
T 21	23 18	26 24	3 10	25 22	1 31	18 30	1 16	21 34	0 26	15 29	1 20	2 38	2 21	24 23	0 30	23 48	0 19	12 4	4 39	14 52	14 26	4 20		n.a.
F 22	23 12	23 14	2 6	25 22	1 36	18 6	1 14	21 42	0 26	15 25	1 20	2 39	2 20	24 23	0 30	23 47	0 19	12 4	4 38	14 54	14 27	4 24		n.a.
S 23	23 6	18 40	0 53	25 20	1 40	17 43	1 13	21 50	0 27	15 21	1 20	2 40	2 20	24 23	0 30	23 47	0 19	12 4	4 38	14 54	14 28	4 27		n.a.
S 24	23 0	13 1	0s25	25 15	1 43	17 19	1 11	21 58	0 28	15 17	1 19	2 41	2 20	24 23	0 30	23 47	0 19	12 4	4 38	14 54	14 29	4 30		n.a.
M25	22 53	6 40	1 41	25 8	1 45	16 55	1 9	22 6	0 29	15 13	1 19	2 42	2 19	24 23	0 30	23 47	0 19	12 4	4 38	14 54	14 30	4 34		n.a.
T 26	22 45	0s 1	2 51	24 59	1 47	16 30	1 7	22 13	0 29	15 9	1 19	2 44	2 19	24 23	0 30	23 47	0 19	12 4	4 37	14 54	14 31	4 37		n.a.
W27	22 37	6 41	3 50	24 47	1 48	16 4	1 5	22 20	0 30	15 5	1 19	2 45	2 19	24 23	0 30	23 47	0 19	12 4	4 37	14 53	14 32	4 40		n.a.
T 28	22 29	12 58	4 35	24 33	1 48	15 39	1 3	22 27	0 31	15 1	1 19	2 46	2 19	24 23	0 30	23 46	0 19	12 4	4 37	14 53	14 33	4 44		n.a.
F 29	22 20	18 33	5 3	24 16	1 48	15 12	1 0	22 34	0 31	14 57	1 19	2 47	2 18	24 23	0 30	23 46	0 19	12 4	4 37	14 53	14 34	4 47		n.a.
S 30	22 11	23 6	5 13	23 58	1 47	14 46	0 58	22 41	0 32	14 52	1 19	2 49	2 18	24 23	0 30	23 46	0 19	12 5	4 36	14 54	14 35	4 50		n.a.
S 31	22n 2	26s18	5s 4	23n38	1n46	14n19	0n56	22n48	0n33	14n48	1n19	2s50	2n18	24s23	0s30	23n46	0n19	12s 5	4n36	14s55	14s36	4n54		n.a.

Julian Day Number = 1101775.5, Delta T = 11h02m00s
Ecliptic obliquity = 23°53'39, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'28, Lahiri = -27°21'27 Julian Calendar 1 July 1697 BCE == Greg. Calendar 17 June 1697 BCE

The year -1696 astronomical counting style corresponds to year 1697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

AUGUST 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 40 31	23♋ 8'00	17♐30	24♋51	26♌11	9♊51	24♌48	12♎20	0°R36	10♋47	14°R25	20°R28	21♒27	4♈18	n.a.	M 1
T 2	19 44 27	24° 6'34	0♑55	26°42	27°24	10°28	25° 0	12°23	0♑34	10°49	14♏25	20♒23	21°24	4°25	n.a.	T 2
W 3	19 48 24	25° 5'09	14° 5	28°31	28°36	11° 5	25°12	12°26	0°32	10°52	14°25	20°20	21°21	4°32	n.a.	W 3
T 4	19 52 21	26° 3'46	27° 1	0♌20	29°49	11°42	25°25	12°29	0°30	10°54	14°24	20°17	21°18	4°38	n.a.	T 4
F 5	19 56 17	27° 2'25	9♒41	2° 8	1♍ 1	12°19	25°37	12°32	0°28	10°56	14°24	20°15	21°14	4°45	n.a.	F 5
S 6	20 0 14	28° 1'06	22° 6	3°54	2°14	12°56	25°49	12°35	0°26	10°58	14°24	20°D15	21°11	4°52	n.a.	S 6
S 7	20 4 10	28°59'50	4♓18	5°40	3°26	13°33	26° 2	12°39	0°24	11° 0	14°24	20°16	21° 8	4°58	n.a.	S 7
M 8	20 8 7	29°58'36	16°19	7°25	4°39	14°10	26°14	12°42	0°22	11° 2	14°24	20°17	21° 5	5° 5	n.a.	M 8
T 9	20 12 3	0♌57'24	28°12	9° 8	5°51	14°47	26°26	12°46	0°20	11° 5	14°24	20°19	21° 2	5°12	n.a.	T 9
W10	20 16 0	1°56'14	10♈ 3	10°51	7° 3	15°23	26°39	12°49	0°18	11° 7	14°24	20°20	20°59	5°19	n.a.	W10
T 11	20 19 56	2°55'07	21°54	12°32	8°16	16° 0	26°51	12°53	0°16	11° 9	14°D24	20°21	20°55	5°25	n.a.	T 11
F 12	20 23 53	3°54'03	3♉50	14°13	9°28	16°37	27° 4	12°57	0°14	11°11	14°24	20°R22	20°52	5°32	n.a.	F 12
S 13	20 27 49	4°53'01	15°58	15°53	10°40	17°13	27°17	13° 1	0°13	11°13	14°24	20°21	20°49	5°39	n.a.	S 13
S 14	20 31 46	5°52'01	28°20	17°31	11°52	17°50	27°29	13° 4	0°11	11°15	14°24	20°20	20°46	5°45	n.a.	S 14
M15	20 35 43	6°51'04	11♊ 1	19° 9	13° 4	18°26	27°42	13° 9	0° 9	11°17	14°24	20°19	20°43	5°52	n.a.	M15
T 16	20 39 39	7°50'10	24° 4	20°46	14°17	19° 3	27°55	13°13	0° 7	11°19	14°24	20°17	20°40	5°59	n.a.	T 16
W17	20 43 36	8°49'18	7♋30	22°22	15°29	19°39	28° 7	13°17	0° 5	11°21	14°24	20°15	20°36	6° 5	n.a.	W17
T 18	20 47 32	9°48'28	21°19	23°57	16°41	20°15	28°20	13°21	0° 4	11°23	14°24	20°14	20°33	6°12	n.a.	T 18
F 19	20 51 29	10°47'40	5♌30	25°32	17°53	20°52	28°33	13°25	0° 2	11°25	14°25	20°13	20°30	6°19	n.a.	F 19
S 20	20 55 25	11°46'55	19°57	27° 5	19° 5	21°28	28°46	13°30	0° 1	11°27	14°25	20°D13	20°27	6°25	n.a.	S 20
S 21	20 59 22	12°46'12	4♍35	28°37	20°17	22° 4	28°59	13°34	29♐59	11°29	14°25	20°13	20°24	6°32	n.a.	S 21
M22	21 3 18	13°45'31	19°17	0♍ 9	21°29	22°40	29°12	13°39	29°57	11°31	14°26	20°14	20°20	6°39	n.a.	M22
T 23	21 7 15	14°44'52	3♎57	1°40	22°40	23°16	29°25	13°43	29°56	11°33	14°26	20°14	20°17	6°45	n.a.	T 23
W24	21 11 11	15°44'14	18°30	3°10	23°52	23°52	29°37	13°48	29°55	11°35	14°26	20°15	20°14	6°52	n.a.	W24
T 25	21 15 8	16°43'39	2♏51	4°39	25° 4	24°28	29°50	13°53	29°53	11°37	14°27	20°15	20°11	6°59	n.a.	T 25
F 26	21 19 5	17°43'06	16°56	6° 7	26°16	25° 4	0♍ 3	13°57	29°52	11°39	14°27	20°R15	20° 8	7° 5	n.a.	F 26
S 27	21 23 1	18°42'35	0♐45	7°35	27°27	25°39	0°16	14° 2	29°50	11°41	14°28	20°15	20° 5	7°12	n.a.	S 27
S 28	21 26 58	19°42'05	14°18	9° 2	28°39	26°15	0°30	14° 7	29°49	11°42	14°28	20°15	20° 1	7°19	n.a.	S 28
M29	21 30 54	20°41'38	27°35	10°27	29°51	26°51	0°43	14°12	29°48	11°44	14°29	20°D15	19°58	7°26	n.a.	M29
T 30	21 34 51	21°41'12	10♑36	11°52	1♎ 2	27°26	0°56	14°17	29°47	11°46	14°29	20°15	19°55	7°32	n.a.	T 30
W31	21 38 47	22♌40'49	23♑23	13♍16	2♎13	28♊ 2	1♍ 9	14♎22	29♐46	11♋48	14♏30	20♒15	19♒52	7♈39	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	21n52	27s55	4s39	23n16	1n44	13n52	0n53	22n54	0n34	14n44	1n19	2s51	2n18	24s23	0s30	23n46	0n19	12s 5	4n36	14s57	14s37	4n57			n.a.
T 2	21 42	27 52	3 58	22 53	1 42	13 24	0 51	23 0	0 34	14 40	1 19	2 53	2 17	24 23	0 30	23 46	0 19	12 5	4 36	14 58	14 38	5 0			n.a.
W 3	21 31	26 13	3 6	22 28	1 39	12 56	0 48	23 6	0 35	14 35	1 18	2 54	2 17	24 23	0 30	23 45	0 19	12 5	4 35	14 59	14 39	5 3			n.a.
T 4	21 20	23 11	2 4	22 1	1 36	12 28	0 46	23 12	0 36	14 31	1 18	2 56	2 17	24 23	0 30	23 45	0 19	12 5	4 35	15 0	14 40	5 7			n.a.
F 5	21 9	19 6	0 58	21 33	1 32	11 59	0 43	23 18	0 36	14 27	1 18	2 57	2 17	24 23	0 30	23 45	0 19	12 5	4 35	15 1	14 41	5 10			n.a.
S 6	20 57	14 15	0n10	21 4	1 28	11 30	0 40	23 24	0 37	14 23	1 18	2 59	2 16	24 23	0 30	23 45	0 19	12 6	4 35	15 1	14 42	5 13			n.a.
S 7	20 45	8 56	1 17	20 34	1 24	11 1	0 38	23 29	0 38	14 18	1 18	3 0	2 16	24 23	0 30	23 45	0 19	12 6	4 34	15 0	14 43	5 17			n.a.
M 8	20 32	3 22	2 19	20 3	1 19	10 32	0 35	23 34	0 39	14 14	1 18	3 2	2 16	24 23	0 30	23 45	0 19	12 6	4 34	15 0	14 44	5 20			n.a.
T 9	20 20	2n14	3 14	19 30	1 14	10 2	0 32	23 40	0 39	14 9	1 18	3 3	2 16	24 23	0 30	23 44	0 19	12 6	4 34	15 0	14 46	5 23			n.a.
W10	20 6	7 44	4 1	18 57	1 9	9 32	0 29	23 44	0 40	14 5	1 18	3 5	2 15	24 23	0 30	23 44	0 19	12 6	4 34	14 59	14 47	5 26			n.a.
T 11	19 53	12 58	4 38	18 23	1 4	9 2	0 26	23 49	0 41	14 1	1 18	3 7	2 15	24 23	0 30	23 44	0 19	12 7	4 34	14 59	14 48	5 30			n.a.
F 12	19 39	17 46	5 3	17 48	0 58	8 31	0 23	23 54	0 42	13 56	1 18	3 8	2 15	24 23	0 30	23 44	0 19	12 7	4 33	14 59	14 49	5 33			n.a.
S 13	19 24	21 57	5 15	17 13	0 52	8 1	0 20	23 58	0 42	13 52	1 18	3 10	2 15	24 23	0 30	23 44	0 19	12 7	4 33	14 59	14 50	5 36			n.a.
S 14	19 10	25 15	5 13	16 36	0 46	7 30	0 17	24 2	0 43	13 47	1 18	3 12	2 15	24 23	0 30	23 44	0 19	12 7	4 33	14 59	14 51	5 40			n.a.
M15	18 55	27 24	4 56	16 0	0 40	6 59	0 14	24 7	0 44	13 43	1 18	3 14	2 14	24 23	0 30	23 43	0 19	12 8	4 33	14 59	14 52	5 43			n.a.
T 16	18 39	28 8	4 23	15 22	0 34	6 28	0 10	24 10	0 45	13 38	1 17	3 15	2 14	24 23	0 30	23 43	0 19	12 8	4 32	15 0	14 53	5 46			n.a.
W17	18 24	27 15	3 35	14 45	0 27	5 56	0 7	24 14	0 45	13 33	1 17	3 17	2 14	24 23	0 30	23 43	0 19	12 8	4 32	15 1	14 54	5 49			n.a.
T 18	18 8	24 41	2 33	14 7	0 20	5 25	0 4	24 18	0 46	13 29	1 17	3 19	2 14	24 23	0 30	23 43	0 19	12 9	4 32	15 1	14 55	5 53			n.a.
F 19	17 51	20 33	1 21	13 28	0 14	4 53	0 0	24 21	0 47	13 24	1 17	3 21	2 13	24 23	0 30	23 43	0 19	12 9	4 32	15 1	14 56	5 56			n.a.
S 20	17 35	15 8	0 1	12 49	0 7	4 21	0s 3	24 24	0 48	13 20	1 17	3 23	2 13	24 23	0 30	23 43	0 19	12 9	4 31	15 1	14 57	5 59			n.a.
S 21	17 18	8 48	1s19	12 10	0s 0	3 50	0 6	24 27	0 48	13 15	1 17	3 25	2 13	24 23	0 30	23 42	0 19	12 9	4 31	15 1	14 58	6 2			n.a.
M22	17 1	1 58	2 34	11 31	0 7	3 18	0 10	24 30	0 49	13 10	1 17	3 27	2 13	24 23	0 30	23 42	0 19	12 10	4 31	15 1	14 59	6 6			n.a.
T 23	16 43	4s57	3 40	10 52	0 14	2 46	0 13	24 33	0 50	13 6	1 17	3 29	2 13	24 23	0 30	23 42	0 19	12 10	4 31	15 1	15 0	6 9			n.a.
W24	16 25	11 32	4 30	10 12	0 22	2 13	0 17	24 36	0 51	13 1	1 17	3 31	2 12	24 23	0 29	23 42	0 19	12 10	4 30	15 1	15 1	6 12			n.a.
T 25	16 7	17 25	5 3	9 32	0 29	1 41	0 20	24 38	0 52	12 56	1 17	3 33	2 12	24 23	0 29	23 42	0 19	12 11	4 30	15 1	15 2	6 15			n.a.
F 26	15 49	22 16	5 17	8 53	0 36	1 9	0 24	24 40	0 52	12 52	1 17	3 35	2 12	24 23	0 29	23 42	0 19	12 11	4 30	15 1	15 3	6 19			n.a.
S 27	15 30	25 47	5 12	8 13	0 43	0 37	0 27	24 42	0 53	12 47	1 17	3 37	2 12	24 23	0 29	23 42	0 19	12 12	4 30	15 1	15 4	6 22			n.a.
S 28	15 11	27 45	4 50	7 33	0 51	0 5	0 31	24 44	0 54	12 42	1 17	3 39	2 12	24 23	0 29	23 41	0 19	12 12	4 29	15 1	15 5	6 25			n.a.
M29	14 52	28 5	4 13	6 54	0 58	0s28	0 34	24 46	0 55	12 37	1 17	3 42	2 11	24 23	0 29	23 41	0 19	12 12	4 29	15 1	15 6	6 28			n.a.
T 30	14 33	26 50	3 23	6 14	1 5	1 0	0 38	24 48	0 56	12 33	1 17	3 44	2 11	24 23	0 29	23 41	0 19	12 13	4 29	15 1	15 7	6 32			n.a.
W31	14n13	24s11	2s24	5n35	1s13	1s32	0s42	24n49	0n56	12n28	1n17	3s46	2n11	24s23	0s29	23n41	0n20	12s13	4n29	15s 1	15s 8	6n35			n.a.

Julian Day Number = 1101806.5, Delta T = 11h01m58s
Ecliptic obliquity = 23°53'38, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'24, Lahiri = -27°21'23 Julian Calendar 1 Aug. 1697 BCE == Greg. Calendar 18 July 1697 BCE

The year -1696 astronomical counting style corresponds to year 1697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

SEPTEMBER 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 42 44	23♌40'27	5♒58	14♍39	3♎25	28♊37	1♍22	14♎28	29°R44	11♋50	14♏31	20♒15	19♒49	7♈46	n.a.	T 1
F 2	21 46 40	24°40'08	18°21	16° 1	4°36	29°13	1°35	14°33	29♐43	11°51	14°31	20°R16	19°45	7°52	n.a.	F 2
S 3	21 50 37	25°39'51	0♓33	17°21	5°47	29°48	1°48	14°38	29°42	11°53	14°32	20°15	19°42	7°59	n.a.	S 3
S 4	21 54 34	26°39'35	12°37	18°41	6°59	0♋23	2° 1	14°44	29°41	11°55	14°33	20°15	19°39	8° 6	n.a.	S 4
M 5	21 58 30	27°39'22	24°34	20° 0	8°10	0°58	2°14	14°49	29°40	11°57	14°33	20°14	19°36	8°12	n.a.	M 5
T 6	22 2 27	28°39'12	6♈25	21°17	9°21	1°33	2°28	14°55	29°40	11°58	14°34	20°13	19°33	8°19	n.a.	T 6
W 7	22 6 23	29°39'03	18°15	22°33	10°32	2° 9	2°41	15° 0	29°39	12° 0	14°35	20°12	19°30	8°26	n.a.	W 7
T 8	22 10 20	0♍38'57	0♉ 6	23°47	11°43	2°44	2°54	15° 6	29°38	12° 2	14°36	20°10	19°26	8°32	n.a.	T 8
F 9	22 14 16	1°38'53	12° 2	25° 0	12°54	3°18	3° 7	15°11	29°37	12° 3	14°37	20° 9	19°23	8°39	n.a.	F 9
S 10	22 18 13	2°38'52	24° 7	26°11	14° 5	3°53	3°20	15°17	29°36	12° 5	14°38	20° 9	19°20	8°46	n.a.	S 10
S 11	22 22 9	3°38'53	6♊25	27°20	15°15	4°28	3°34	15°23	29°36	12° 6	14°39	20°D 8	19°17	8°53	n.a.	S 11
M12	22 26 6	4°38'56	19° 1	28°28	16°26	5° 3	3°47	15°29	29°35	12° 8	14°40	20° 9	19°14	8°59	n.a.	M12
T 13	22 30 2	5°39'02	1♋59	29°33	17°37	5°37	4° 0	15°34	29°35	12° 9	14°41	20°10	19°11	9° 6	n.a.	T 13
W14	22 33 59	6°39'10	15°22	0♎35	18°47	6°12	4°13	15°40	29°34	12°11	14°42	20°11	19° 7	9°13	n.a.	W14
T 15	22 37 56	7°39'21	29°12	1°35	19°58	6°46	4°26	15°46	29°34	12°12	14°43	20°12	19° 4	9°19	n.a.	T 15
F 16	22 41 52	8°39'33	13♌28	2°32	21° 8	7°21	4°40	15°52	29°33	12°14	14°44	20°R13	19° 1	9°26	n.a.	F 16
S 17	22 45 49	9°39'48	28° 8	3°25	22°18	7°55	4°53	15°58	29°33	12°15	14°45	20°13	18°58	9°33	n.a.	S 17
S 18	22 49 45	10°40'04	13♍ 5	4°14	23°29	8°29	5° 6	16° 5	29°33	12°16	14°46	20°12	18°55	9°39	n.a.	S 18
M19	22 53 42	11°40'23	28°11	5° 0	24°39	9° 4	5°19	16°11	29°32	12°18	14°47	20°10	18°51	9°46	n.a.	M19
T 20	22 57 38	12°40'43	13♎17	5°40	25°49	9°38	5°32	16°17	29°32	12°19	14°48	20° 7	18°48	9°53	n.a.	T 20
W21	23 1 35	13°41'05	28°13	6°16	26°59	10°12	5°45	16°23	29°32	12°20	14°50	20° 4	18°45	9°59	n.a.	W21
T 22	23 5 31	14°41'29	12♏52	6°45	28° 9	10°45	5°59	16°29	29°32	12°22	14°51	20° 1	18°42	10° 6	n.a.	T 22
F 23	23 9 28	15°41'54	27°10	7° 9	29°18	11°19	6°12	16°36	29°32	12°23	14°52	19°58	18°39	10°13	n.a.	F 23
S 24	23 13 24	16°42'21	11♐ 2	7°25	0♏28	11°53	6°25	16°42	29°D32	12°24	14°54	19°D57	18°36	10°20	n.a.	S 24
S 25	23 17 21	17°42'50	24°31	7°33	1°38	12°27	6°38	16°48	29°32	12°25	14°55	19°57	18°32	10°26	n.a.	S 25
M26	23 21 18	18°43'20	7♑38	7°R33	2°47	13° 0	6°51	16°55	29°32	12°26	14°56	19°58	18°29	10°33	n.a.	M26
T 27	23 25 14	19°43'51	20°25	7°24	3°57	13°34	7° 4	17° 1	29°32	12°27	14°58	20° 0	18°26	10°40	n.a.	T 27
W28	23 29 11	20°44'24	2♒55	7° 6	5° 6	14° 7	7°17	17° 8	29°32	12°28	14°59	20° 2	18°23	10°46	n.a.	W28
T 29	23 33 7	21°44'59	15°13	6°37	6°15	14°40	7°30	17°14	29°33	12°29	15° 0	20°R 3	18°20	10°53	n.a.	T 29
F 30	23 37 4	22♍45'35	27♒21	5♎59	7♏24	15♋13	7♍43	17♎21	29♐33	12♋31	15♏ 2	20♒ 3	18♒17	11♈ 0	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n53	20s24	1s19	4n56	1s20	2s 4	0s45	24n50	0n57	12n23	1n17	3s48	2n11	24s23	0s29	23n41	0n20	12s14	4n28	15s 1	15s 9	6n38		n.a.
F 2	13 33	15 47	0 11	4 17	1 27	2 37	0 49	24 52	0 58	12 18	1 17	3 50	2 11	24 23	0 29	23 41	0 20	12 14	4 28	15 0	15 10	6 41		n.a.
S 3	13 12	10 36	0n57	3 39	1 34	3 9	0 53	24 52	0 59	12 14	1 17	3 53	2 10	24 23	0 29	23 41	0 20	12 14	4 28	15 1	15 11	6 45		n.a.
S 4	12 52	5 6	2 1	3 1	1 41	3 41	0 56	24 53	1 0	12 9	1 17	3 55	2 10	24 23	0 29	23 40	0 20	12 15	4 28	15 1	15 12	6 48		n.a.
M 5	12 31	0n32	2 59	2 24	1 48	4 13	1 0	24 54	1 1	12 4	1 17	3 57	2 10	24 23	0 29	23 40	0 20	12 15	4 27	15 1	15 13	6 51		n.a.
T 6	12 10	6 5	3 49	1 47	1 54	4 45	1 4	24 54	1 1	11 59	1 17	4 0	2 10	24 23	0 29	23 40	0 20	12 16	4 27	15 1	15 14	6 54		n.a.
W 7	11 49	11 25	4 29	1 10	2 1	5 16	1 7	24 55	1 2	11 54	1 17	4 2	2 10	24 23	0 29	23 40	0 20	12 16	4 27	15 2	15 15	6 58		n.a.
T 8	11 27	16 20	4 57	0 34	2 7	5 48	1 11	24 55	1 3	11 49	1 17	4 4	2 9	24 23	0 29	23 40	0 20	12 17	4 27	15 2	15 16	7 1		n.a.
F 9	11 5	20 41	5 13	0s 1	2 13	6 20	1 15	24 55	1 4	11 44	1 17	4 7	2 9	24 23	0 29	23 40	0 20	12 17	4 26	15 3	15 17	7 4		n.a.
S 10	10 44	24 15	5 16	0 35	2 19	6 51	1 18	24 55	1 5	11 40	1 17	4 9	2 9	24 23	0 29	23 40	0 20	12 18	4 26	15 3	15 18	7 7		n.a.
S 11	10 21	26 46	5 4	1 8	2 25	7 22	1 22	24 55	1 6	11 35	1 17	4 11	2 9	24 23	0 29	23 40	0 20	12 18	4 26	15 3	15 19	7 10		n.a.
M12	9 59	28 2	4 37	1 40	2 30	7 53	1 26	24 54	1 6	11 30	1 17	4 14	2 9	24 23	0 29	23 39	0 20	12 19	4 26	15 3	15 20	7 14		n.a.
T 13	9 37	27 49	3 56	2 11	2 36	8 24	1 29	24 54	1 7	11 25	1 17	4 16	2 9	24 23	0 29	23 39	0 20	12 19	4 26	15 2	15 21	7 17		n.a.
W14	9 14	25 59	3 1	2 41	2 40	8 55	1 33	24 53	1 8	11 20	1 17	4 19	2 8	24 23	0 29	23 39	0 20	12 20	4 25	15 2	15 22	7 20		n.a.
T 15	8 51	22 33	1 54	3 9	2 45	9 26	1 36	24 52	1 9	11 15	1 17	4 21	2 8	24 23	0 29	23 39	0 20	12 20	4 25	15 2	15 23	7 23		n.a.
F 16	8 29	17 41	0 37	3 35	2 48	9 56	1 40	24 51	1 10	11 10	1 17	4 24	2 8	24 23	0 29	23 39	0 20	12 21	4 25	15 1	15 24	7 27		n.a.
S 17	8 6	11 40	0s44	4 0	2 52	10 26	1 43	24 50	1 11	11 5	1 17	4 26	2 8	24 23	0 29	23 39	0 20	12 21	4 25	15 1	15 25	7 30		n.a.
S 18	7 42	4 53	2 3	4 23	2 55	10 56	1 47	24 48	1 12	11 0	1 17	4 29	2 8	24 23	0 29	23 39	0 20	12 22	4 24	15 2	15 26	7 33		n.a.
M19	7 19	2s13	3 14	4 43	2 57	11 26	1 50	24 47	1 13	10 55	1 17	4 31	2 8	24 23	0 29	23 39	0 20	12 23	4 24	15 2	15 27	7 36		n.a.
T 20	6 56	9 11	4 12	5 0	2 58	11 55	1 54	24 45	1 13	10 51	1 17	4 34	2 8	24 23	0 29	23 39	0 20	12 23	4 24	15 3	15 28	7 39		n.a.
W21	6 32	15 34	4 52	5 15	2 59	12 24	1 57	24 44	1 14	10 46	1 17	4 36	2 7	24 23	0 29	23 38	0 20	12 24	4 24	15 4	15 29	7 43		n.a.
T 22	6 8	20 56	5 12	5 27	2 58	12 53	2 0	24 42	1 15	10 41	1 17	4 39	2 7	24 23	0 29	23 38	0 20	12 24	4 24	15 5	15 30	7 46		n.a.
F 23	5 45	24 57	5 12	5 35	2 57	13 21	2 4	24 40	1 16	10 36	1 17	4 41	2 7	24 23	0 29	23 38	0 20	12 25	4 23	15 6	15 31	7 49		n.a.
S 24	5 21	27 22	4 53	5 39	2 54	13 50	2 7	24 38	1 17	10 31	1 17	4 44	2 7	24 23	0 29	23 38	0 20	12 25	4 23	15 6	15 32	7 52		n.a.
S 25	4 57	28 5	4 19	5 39	2 50	14 17	2 10	24 36	1 18	10 26	1 17	4 47	2 7	24 23	0 29	23 38	0 20	12 26	4 23	15 6	15 33	7 55		n.a.
M26	4 33	27 12	3 32	5 34	2 45	14 45	2 13	24 33	1 19	10 21	1 17	4 49	2 7	24 23	0 29	23 38	0 20	12 27	4 23	15 6	15 34	7 58		n.a.
T 27	4 8	24 52	2 35	5 25	2 38	15 12	2 16	24 31	1 20	10 16	1 17	4 52	2 7	24 23	0 29	23 38	0 20	12 27	4 22	15 5	15 35	8 2		n.a.
W28	3 44	21 22	1 32	5 9	2 30	15 39	2 19	24 28	1 21	10 11	1 17	4 55	2 7	24 23	0 29	23 38	0 20	12 28	4 22	15 5	15 36	8 5		n.a.
T 29	3 20	17 0	0 26	4 49	2 20	16 5	2 22	24 25	1 22	10 6	1 17	4 57	2 6	24 23	0 29	23 38	0 20	12 28	4 22	15 5	15 37	8 8		n.a.
F 30	2n56	12s 0	0n40	4s22	2s 8	16s31	2s25	24n23	1n23	10n 1	1n17	5s 0	2n 6	24s23	0s29	23n38	0n20	12s29	4n22	15s 5	15s38	8n11		n.a.

Julian Day Number = 1101837.5, Delta T = 11h01m56s
Ecliptic obliquity = 23°53'39, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'19, Lahiri = -27°21'19 Julian Calendar 1 Sept. 1697 BCE == Greg. Calendar 18 Aug. 1697 BCE

The year -1696 astronomical counting style corresponds to year 1697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

OCTOBER 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 41 0	23♍46'12	9♓22	5°R10	8♏33	15♋46	7♍56	17♎27	29♐33	12♋31	15♏ 3	20°R 1	18♒13	11♈ 6	n.a.	S 1
S 2	23 44 57	24°46'51	21°18	4♎12	9°42	16°19	8° 9	17°34	29°34	12°32	15° 5	19♒57	18°10	11°13	n.a.	S 2
M 3	23 48 53	25°47'32	3♈10	3° 6	10°50	16°52	8°22	17°41	29°34	12°33	15° 6	19°52	18° 7	11°20	n.a.	M 3
T 4	23 52 50	26°48'14	15° 1	1°52	11°59	17°25	8°35	17°47	29°35	12°34	15° 8	19°45	18° 4	11°26	n.a.	T 4
W 5	23 56 47	27°48'58	26°52	0°34	13° 7	17°57	8°48	17°54	29°35	12°35	15°10	19°38	18° 1	11°33	n.a.	W 5
T 6	0 0 43	28°49'44	8♉45	29♍13	14°15	18°30	9° 1	18° 1	29°36	12°36	15°11	19°30	17°57	11°40	n.a.	T 6
F 7	0 4 40	29°50'32	20°43	27°52	15°23	19° 2	9°13	18° 8	29°36	12°37	15°13	19°23	17°54	11°47	n.a.	F 7
S 8	0 8 36	0♎51'21	2♊48	26°34	16°31	19°35	9°26	18°14	29°37	12°37	15°14	19°18	17°51	11°53	n.a.	S 8
S 9	0 12 33	1°52'12	15° 5	25°21	17°39	20° 7	9°39	18°21	29°38	12°38	15°16	19°14	17°48	12° 0	n.a.	S 9
M10	0 16 29	2°53'04	27°36	24°16	18°46	20°39	9°52	18°28	29°39	12°39	15°18	19°D13	17°45	12° 7	n.a.	M10
T 11	0 20 26	3°53'58	10♋26	23°20	19°54	21°11	10° 4	18°35	29°40	12°40	15°19	19°13	17°42	12°13	n.a.	T 11
W12	0 24 22	4°54'54	23°39	22°35	21° 1	21°43	10°17	18°42	29°40	12°40	15°21	19°14	17°38	12°20	n.a.	W12
T 13	0 28 19	5°55'52	7♌19	22° 1	22° 8	22°15	10°30	18°49	29°41	12°41	15°23	19°15	17°35	12°27	n.a.	T 13
F 14	0 32 16	6°56'51	21°27	21°38	23°15	22°46	10°42	18°55	29°42	12°41	15°25	19°R16	17°32	12°33	n.a.	F 14
S 15	0 36 12	7°57'51	6♍ 2	21°D28	24°22	23°18	10°55	19° 2	29°43	12°42	15°26	19°14	17°29	12°40	n.a.	S 15
S 16	0 40 9	8°58'53	21° 0	21°28	25°28	23°49	11° 7	19° 9	29°45	12°42	15°28	19°11	17°26	12°47	n.a.	S 16
M17	0 44 5	9°59'56	6♎14	21°39	26°35	24°20	11°19	19°16	29°46	12°43	15°30	19° 5	17°22	12°54	n.a.	M17
T 18	0 48 2	11° 1'00	21°34	21°59	27°41	24°51	11°32	19°23	29°47	12°43	15°32	18°58	17°19	13° 0	n.a.	T 18
W19	0 51 58	12° 2'06	6♏48	22°29	28°47	25°22	11°44	19°30	29°48	12°44	15°34	18°49	17°16	13° 7	n.a.	W19
T 20	0 55 55	13° 3'12	21°46	23° 6	29°52	25°53	11°56	19°37	29°50	12°44	15°36	18°41	17°13	13°14	n.a.	T 20
F 21	0 59 51	14° 4'19	6♐20	23°50	0♐58	26°24	12° 9	19°44	29°51	12°44	15°38	18°33	17°10	13°20	n.a.	F 21
S 22	1 3 48	15° 5'27	20°25	24°40	2° 3	26°54	12°21	19°51	29°52	12°45	15°39	18°28	17° 7	13°27	n.a.	S 22
S 23	1 7 45	16° 6'36	4♑ 0	25°36	3° 8	27°25	12°33	19°58	29°54	12°45	15°41	18°26	17° 3	13°34	n.a.	S 23
M24	1 11 41	17° 7'46	17° 8	26°36	4°13	27°55	12°45	20° 5	29°55	12°45	15°43	18°D25	17° 0	13°40	n.a.	M24
T 25	1 15 38	18° 8'55	29°52	27°41	5°17	28°25	12°57	20°12	29°57	12°45	15°45	18°25	16°57	13°47	n.a.	T 25
W26	1 19 34	19°10'06	12♒16	28°49	6°21	28°55	13° 9	20°19	29°58	12°45	15°47	18°R26	16°54	13°54	n.a.	W26
T 27	1 23 31	20°11'17	24°25	0♎ 1	7°25	29°25	13°21	20°26	0♑ 0	12°46	15°49	18°26	16°51	14° 1	n.a.	T 27
F 28	1 27 27	21°12'28	6♓24	1°15	8°28	29°54	13°32	20°33	0° 2	12°46	15°51	18°24	16°48	14° 7	n.a.	F 28
S 29	1 31 24	22°13'40	18°18	2°31	9°32	0♌24	13°44	20°40	0° 3	12°46	15°53	18°20	16°44	14°14	n.a.	S 29
S 30	1 35 20	23°14'53	0♈ 8	3°50	10°34	0°53	13°56	20°47	0° 5	12°R46	15°55	18°13	16°41	14°21	n.a.	S 30
M31	1 39 17	24♎16'06	11♈59	5♎10	11♐37	1♌22	14♍ 7	20♎54	0♑ 7	12♋46	15♏57	18♒ 3	16♒38	14♈27	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n31	6s37	1n44	3s50	1s54	16s57	2s28	24n20	1n24	9n57	1n17	5s 2	2n 6	24s23	0s29	23n38	0n20	12s30	4n22	15s 5	15s39	8n14		n.a.
S 2	2 7	1 2	2 42	3 12	1 39	17 22	2 31	24 16	1 25	9 52	1 17	5 5	2 6	24 22	0 29	23 38	0 20	12 30	4 21	15 6	15 40	8 18		n.a.
M 3	1 42	4n32	3 33	2 30	1 21	17 47	2 34	24 13	1 26	9 47	1 17	5 8	2 6	24 22	0 29	23 37	0 20	12 31	4 21	15 8	15 41	8 21		n.a.
T 4	1 18	9 56	4 15	1 43	1 3	18 11	2 36	24 10	1 27	9 42	1 17	5 10	2 6	24 22	0 29	23 37	0 20	12 32	4 21	15 10	15 42	8 24		n.a.
W 5	0 53	14 58	4 46	0 53	0 43	18 35	2 39	24 7	1 28	9 37	1 17	5 13	2 6	24 22	0 29	23 37	0 20	12 32	4 21	15 13	15 43	8 27		n.a.
T 6	0 28	19 28	5 4	0 2	0 23	18 59	2 41	24 3	1 29	9 32	1 18	5 16	2 6	24 22	0 29	23 37	0 20	12 33	4 21	15 15	15 44	8 30		n.a.
F 7	0 4	23 14	5 9	0n50	0 2	19 22	2 44	23 59	1 30	9 27	1 18	5 19	2 6	24 22	0 29	23 37	0 20	12 34	4 20	15 17	15 45	8 33		n.a.
S 8	0s21	26 2	5 1	1 40	0n19	19 44	2 46	23 56	1 31	9 22	1 18	5 21	2 6	24 22	0 29	23 37	0 20	12 34	4 20	15 19	15 46	8 36		n.a.
S 9	0 45	27 39	4 39	2 28	0 38	20 6	2 48	23 52	1 32	9 18	1 18	5 24	2 5	24 22	0 29	23 37	0 20	12 35	4 20	15 20	15 47	8 40		n.a.
M10	1 10	27 55	4 3	3 11	0 57	20 28	2 50	23 48	1 33	9 13	1 18	5 27	2 5	24 22	0 29	23 37	0 20	12 36	4 20	15 21	15 48	8 43		n.a.
T 11	1 35	26 42	3 14	3 50	1 14	20 49	2 52	23 44	1 34	9 8	1 18	5 29	2 5	24 22	0 29	23 37	0 20	12 36	4 20	15 21	15 49	8 46		n.a.
W12	1 59	23 58	2 14	4 22	1 30	21 9	2 54	23 40	1 35	9 3	1 18	5 32	2 5	24 22	0 29	23 37	0 20	12 37	4 19	15 20	15 50	8 49		n.a.
T 13	2 24	19 49	1 4	4 48	1 43	21 29	2 56	23 35	1 36	8 58	1 18	5 35	2 5	24 22	0 29	23 37	0 20	12 38	4 19	15 20	15 51	8 52		n.a.
F 14	2 48	14 26	0s12	5 8	1 55	21 48	2 58	23 31	1 37	8 54	1 18	5 38	2 5	24 22	0 29	23 37	0 21	12 38	4 19	15 20	15 52	8 55		n.a.
S 15	3 13	8 6	1 29	5 21	2 5	22 7	3 0	23 27	1 38	8 49	1 18	5 40	2 5	24 22	0 29	23 37	0 21	12 39	4 19	15 20	15 53	8 59		n.a.
S 16	3 38	1 9	2 42	5 28	2 13	22 25	3 1	23 22	1 39	8 44	1 18	5 43	2 5	24 22	0 29	23 37	0 21	12 40	4 19	15 21	15 54	9 2		n.a.
M17	4 2	5s57	3 45	5 29	2 19	22 43	3 3	23 18	1 40	8 39	1 18	5 46	2 5	24 22	0 29	23 37	0 21	12 40	4 19	15 23	15 55	9 5		n.a.
T 18	4 26	12 45	4 32	5 25	2 23	23 0	3 4	23 13	1 41	8 35	1 19	5 48	2 5	24 22	0 29	23 37	0 21	12 41	4 18	15 25	15 56	9 8		n.a.
W19	4 51	18 44	4 59	5 17	2 27	23 16	3 5	23 8	1 42	8 30	1 19	5 51	2 5	24 22	0 29	23 37	0 21	12 42	4 18	15 28	15 57	9 11		n.a.
T 20	5 15	23 27	5 5	5 3	2 28	23 32	3 6	23 4	1 43	8 25	1 19	5 54	2 5	24 22	0 29	23 37	0 21	12 43	4 18	15 31	15 58	9 14		n.a.
F 21	5 39	26 33	4 51	4 46	2 29	23 47	3 7	22 59	1 44	8 21	1 19	5 57	2 5	24 22	0 29	23 37	0 21	12 43	4 18	15 33	15 59	9 17		n.a.
S 22	6 3	27 52	4 20	4 26	2 29	24 2	3 8	22 54	1 45	8 16	1 19	5 59	2 5	24 22	0 29	23 37	0 21	12 44	4 18	15 35	16 0	9 20		n.a.
S 23	6 27	27 24	3 35	4 2	2 27	24 16	3 9	22 49	1 47	8 11	1 19	6 2	2 4	24 22	0 29	23 37	0 21	12 45	4 18	15 35	16 1	9 24		n.a.
M24	6 51	25 24	2 39	3 35	2 25	24 29	3 9	22 44	1 48	8 7	1 19	6 5	2 4	24 22	0 29	23 37	0 21	12 45	4 17	15 36	16 2	9 27		n.a.
T 25	7 15	22 9	1 38	3 7	2 23	24 42	3 10	22 39	1 49	8 2	1 19	6 8	2 4	24 22	0 28	23 37	0 21	12 46	4 17	15 36	16 3	9 30		n.a.
W26	7 39	17 58	0 33	2 36	2 19	24 54	3 10	22 33	1 50	7 58	1 19	6 10	2 4	24 22	0 28	23 37	0 21	12 47	4 17	15 35	16 4	9 33		n.a.
T 27	8 2	13 8	0n32	2 3	2 15	25 5	3 10	22 28	1 51	7 53	1 19	6 13	2 4	24 22	0 28	23 37	0 21	12 48	4 17	15 35	16 5	9 36		n.a.
F 28	8 26	7 52	1 34	1 29	2 10	25 16	3 10	22 23	1 52	7 49	1 20	6 16	2 4	24 22	0 28	23 37	0 21	12 48	4 17	15 36	16 6	9 39		n.a.
S 29	8 49	2 23	2 32	0 53	2 5	25 26	3 10	22 18	1 53	7 44	1 20	6 18	2 4	24 22	0 28	23 37	0 21	12 49	4 17	15 37	16 7	9 42		n.a.
S 30	9 12	3n 9	3 23	0 17	2 0	25 35	3 10	22 12	1 55	7 40	1 20	6 21	2 4	24 22	0 28	23 37	0 21	12 50	4 16	15 40	16 8	9 45		n.a.
M31	9s35	8n33	4n 4	0s21	1n54	25s44	3s 9	22n 7	1n56	7n35	1n20	6s24	2n 4	24s22	0s28	23n37	0n21	12s50	4n16	15s43	16s 9	9n48		n.a.

Julian Day Number = 1101867.5, Delta T = 11h01m55s
Ecliptic obliquity = 23°53'39, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'15, Lahiri = -27°21'15 Julian Calendar 1 Oct. 1697 BCE == Greg. Calendar 17 Sept. 1697 BCE

The year -1696 astronomical counting style corresponds to year 1697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

NOVEMBER 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 43 14	25♎17'20	23♈50	6♎32	12♐39	1♌51	14♍19	21♎ 1	0♑ 9	12°R46	15♏59	17°R51	16♒35	14♈34	n.a.	T 1
W 2	1 47 10	26°18'34	5♉46	7°55	13°41	2°19	14°30	21° 8	0°11	12♋45	16° 1	17♒37	16°32	14°41	n.a.	W 2
T 3	1 51 7	27°19'49	17°45	9°19	14°42	2°48	14°42	21°15	0°13	12°45	16° 3	17°23	16°28	14°47	n.a.	T 3
F 4	1 55 3	28°21'05	29°50	10°44	15°44	3°16	14°53	21°22	0°15	12°45	16° 5	17°11	16°25	14°54	n.a.	F 4
S 5	1 59 0	29°22'21	12♊ 2	12°10	16°44	3°45	15° 4	21°29	0°17	12°45	16° 7	17° 0	16°22	15° 1	n.a.	S 5
S 6	2 2 56	0♏23'38	24°23	13°37	17°44	4°13	15°15	21°36	0°19	12°45	16° 9	16°52	16°19	15° 8	n.a.	S 6
M 7	2 6 53	1°24'55	6♋57	15° 5	18°44	4°40	15°26	21°43	0°21	12°44	16°12	16°47	16°16	15°14	n.a.	M 7
T 8	2 10 50	2°26'13	19°45	16°33	19°44	5° 8	15°37	21°50	0°23	12°44	16°14	16°44	16°13	15°21	n.a.	T 8
W 9	2 14 46	3°27'32	2♌51	18° 1	20°43	5°35	15°48	21°57	0°25	12°44	16°16	16°D43	16° 9	15°28	n.a.	W 9
T 10	2 18 43	4°28'51	16°20	19°31	21°41	6° 2	15°59	22° 4	0°28	12°43	16°18	16°R44	16° 6	15°34	n.a.	T 10
F 11	2 22 39	5°30'11	0♍13	21° 0	22°39	6°29	16°10	22°11	0°30	12°43	16°20	16°43	16° 3	15°41	n.a.	F 11
S 12	2 26 36	6°31'31	14°32	22°30	23°36	6°56	16°20	22°17	0°32	12°43	16°22	16°41	16° 0	15°48	n.a.	S 12
S 13	2 30 32	7°32'51	29°16	24° 0	24°33	7°23	16°31	22°24	0°35	12°42	16°24	16°36	15°57	15°55	n.a.	S 13
M14	2 34 29	8°34'12	14♎18	25°31	25°29	7°49	16°41	22°31	0°37	12°42	16°26	16°28	15°54	16° 1	n.a.	M14
T 15	2 38 25	9°35'33	29°32	27° 2	26°25	8°15	16°52	22°38	0°39	12°41	16°29	16°17	15°50	16° 8	n.a.	T 15
W16	2 42 22	10°36'54	14♏45	28°34	27°20	8°41	17° 2	22°45	0°42	12°41	16°31	16° 5	15°47	16°15	n.a.	W16
T 17	2 46 19	11°38'16	29°49	0♏ 5	28°15	9° 6	17°12	22°51	0°44	12°40	16°33	15°53	15°44	16°21	n.a.	T 17
F 18	2 50 15	12°39'37	14♐31	1°37	29° 9	9°32	17°22	22°58	0°47	12°39	16°35	15°43	15°41	16°28	n.a.	F 18
S 19	2 54 12	13°40'57	28°46	3°10	0♑ 2	9°57	17°32	23° 5	0°50	12°39	16°37	15°35	15°38	16°35	n.a.	S 19
S 20	2 58 8	14°42'18	12♑31	4°42	0°54	10°21	17°42	23°12	0°52	12°38	16°39	15°29	15°34	16°41	n.a.	S 20
M21	3 2 5	15°43'38	25°47	6°15	1°46	10°46	17°52	23°18	0°55	12°37	16°41	15°27	15°31	16°48	n.a.	M21
T 22	3 6 1	16°44'57	8♒35	7°49	2°37	11°10	18° 1	23°25	0°58	12°37	16°44	15°26	15°28	16°55	n.a.	T 22
W23	3 9 58	17°46'15	21° 1	9°22	3°27	11°34	18°11	23°32	1° 0	12°36	16°46	15°26	15°25	17° 2	n.a.	W23
T 24	3 13 55	18°47'34	3♓10	10°56	4°16	11°58	18°20	23°38	1° 3	12°35	16°48	15°25	15°22	17° 8	n.a.	T 24
F 25	3 17 51	19°48'51	15° 8	12°31	5° 5	12°21	18°30	23°45	1° 6	12°34	16°50	15°23	15°19	17°15	n.a.	F 25
S 26	3 21 48	20°50'08	26°59	14° 5	5°52	12°44	18°39	23°51	1° 9	12°33	16°52	15°18	15°15	17°22	n.a.	S 26
S 27	3 25 44	21°51'24	8♈48	15°41	6°39	13° 7	18°48	23°58	1°11	12°32	16°54	15°11	15°12	17°28	n.a.	S 27
M28	3 29 41	22°52'39	20°39	17°16	7°25	13°29	18°57	24° 4	1°14	12°31	16°56	15° 0	15° 9	17°35	n.a.	M28
T 29	3 33 37	23°53'54	2♉33	18°52	8° 9	13°51	19° 6	24°11	1°17	12°30	16°59	14°47	15° 6	17°42	n.a.	T 29
W30	3 37 34	24♏55'08	14♉35	20♏29	8♑52	14♌13	19♍15	24♎17	1♑20	12♋29	17♏ 1	14♒33	15♒ 3	17♈49	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s58	13n40	4n36	0s59	1n49	25s52	3s 9	22n 1	1n57	7n31	1n20	6s26	2n 4	24s22	0s28	23n37	0n21	12s51	4n16	15s46	16s10	9n51		n.a.
W 2	10 21	18 18	4 55	1 38	1 42	25 59	3 8	21 56	1 58	7 27	1 20	6 29	2 4	24 22	0 28	23 37	0 21	12 52	4 16	15 51	16 11	9 55		n.a.
T 3	10 43	22 15	5 1	2 18	1 36	26 5	3 7	21 51	2 0	7 22	1 20	6 32	2 4	24 22	0 28	23 37	0 21	12 53	4 16	15 55	16 12	9 58		n.a.
F 4	11 5	25 16	4 54	2 58	1 29	26 11	3 6	21 45	2 1	7 18	1 21	6 34	2 4	24 22	0 28	23 37	0 21	12 53	4 16	15 59	16 13	10 1		n.a.
S 5	11 28	27 10	4 33	3 38	1 23	26 17	3 4	21 39	2 2	7 14	1 21	6 37	2 4	24 22	0 28	23 37	0 21	12 54	4 16	16 2	16 14	10 4		n.a.
S 6	11 50	27 46	4 0	4 19	1 16	26 21	3 3	21 34	2 3	7 9	1 21	6 40	2 4	24 22	0 28	23 37	0 21	12 55	4 15	16 5	16 15	10 7		n.a.
M 7	12 11	26 56	3 14	4 59	1 9	26 25	3 1	21 28	2 5	7 5	1 21	6 42	2 4	24 22	0 28	23 37	0 21	12 55	4 15	16 6	16 16	10 10		n.a.
T 8	12 33	24 41	2 18	5 40	1 2	26 28	3 0	21 23	2 6	7 1	1 21	6 45	2 4	24 22	0 28	23 37	0 21	12 56	4 15	16 7	16 17	10 13		n.a.
W 9	12 54	21 4	1 13	6 21	0 55	26 31	2 58	21 17	2 7	6 57	1 21	6 48	2 4	24 22	0 28	23 37	0 21	12 57	4 15	16 7	16 18	10 16		n.a.
T 10	13 15	16 16	0 2	7 2	0 48	26 33	2 55	21 11	2 8	6 53	1 21	6 50	2 4	24 22	0 28	23 37	0 21	12 58	4 15	16 7	16 19	10 19		n.a.
F 11	13 36	10 30	1s11	7 43	0 41	26 34	2 53	21 6	2 10	6 48	1 22	6 53	2 4	24 22	0 28	23 37	0 21	12 58	4 15	16 7	16 20	10 22		n.a.
S 12	13 57	4 2	2 21	8 23	0 34	26 34	2 51	21 0	2 11	6 44	1 22	6 55	2 4	24 22	0 28	23 38	0 21	12 59	4 15	16 8	16 21	10 25		n.a.
S 13	14 17	2s49	3 24	9 4	0 27	26 34	2 48	20 54	2 12	6 40	1 22	6 58	2 4	24 22	0 28	23 38	0 21	13 0	4 15	16 10	16 22	10 28		n.a.
M14	14 38	9 38	4 15	9 44	0 20	26 34	2 45	20 49	2 14	6 36	1 22	7 0	2 4	24 22	0 28	23 38	0 21	13 1	4 14	16 12	16 22	10 31		n.a.
T 15	14 58	15 59	4 47	10 24	0 13	26 32	2 42	20 43	2 15	6 32	1 22	7 3	2 4	24 22	0 28	23 38	0 21	13 1	4 14	16 15	16 23	10 34		n.a.
W16	15 17	21 20	5 0	11 4	0 6	26 30	2 38	20 38	2 17	6 28	1 22	7 6	2 4	24 22	0 28	23 38	0 21	13 2	4 14	16 19	16 24	10 37		n.a.
T 17	15 37	25 14	4 51	11 43	0s 0	26 28	2 35	20 32	2 18	6 25	1 23	7 8	2 4	24 22	0 28	23 38	0 21	13 3	4 14	16 23	16 25	10 40		n.a.
F 18	15 56	27 20	4 23	12 22	0 7	26 24	2 31	20 26	2 19	6 21	1 23	7 11	2 4	24 22	0 28	23 38	0 21	13 3	4 14	16 26	16 26	10 44		n.a.
S 19	16 15	27 33	3 40	13 1	0 14	26 20	2 27	20 21	2 21	6 17	1 23	7 13	2 4	24 22	0 28	23 38	0 21	13 4	4 14	16 28	16 27	10 47		n.a.
S 20	16 33	26 1	2 44	13 39	0 20	26 16	2 22	20 15	2 22	6 13	1 23	7 16	2 4	24 22	0 28	23 38	0 21	13 5	4 14	16 30	16 28	10 50		n.a.
M21	16 52	23 4	1 42	14 17	0 27	26 11	2 18	20 10	2 24	6 9	1 23	7 18	2 4	24 22	0 28	23 38	0 21	13 6	4 14	16 31	16 29	10 53		n.a.
T 22	17 10	19 2	0 36	14 54	0 33	26 5	2 13	20 5	2 25	6 6	1 23	7 21	2 4	24 22	0 28	23 38	0 21	13 6	4 14	16 31	16 30	10 56		n.a.
W23	17 27	14 18	0n30	15 31	0 39	25 59	2 8	19 59	2 27	6 2	1 24	7 23	2 4	24 22	0 28	23 38	0 21	13 7	4 13	16 31	16 31	10 59		n.a.
T 24	17 44	9 6	1 32	16 7	0 46	25 52	2 3	19 54	2 28	5 59	1 24	7 25	2 4	24 21	0 28	23 39	0 22	13 8	4 13	16 31	16 32	11 2		n.a.
F 25	18 1	3 40	2 30	16 42	0 51	25 45	1 57	19 48	2 30	5 55	1 24	7 28	2 4	24 21	0 28	23 39	0 22	13 8	4 13	16 32	16 33	11 5		n.a.
S 26	18 18	1n50	3 21	17 17	0 57	25 37	1 52	19 43	2 31	5 52	1 24	7 30	2 5	24 21	0 28	23 39	0 22	13 9	4 13	16 33	16 34	11 8		n.a.
S 27	18 35	7 15	4 2	17 51	1 3	25 29	1 46	19 38	2 33	5 48	1 24	7 33	2 5	24 21	0 28	23 39	0 22	13 10	4 13	16 35	16 35	11 11		n.a.
M28	18 50	12 25	4 33	18 24	1 8	25 20	1 39	19 33	2 34	5 45	1 25	7 35	2 5	24 21	0 28	23 39	0 22	13 10	4 13	16 39	16 36	11 14		n.a.
T 29	19 6	17 9	4 53	18 56	1 14	25 11	1 33	19 28	2 36	5 41	1 25	7 37	2 5	24 21	0 28	23 39	0 22	13 11	4 13	16 42	16 37	11 17		n.a.
W30	19s21	21n16	5n 0	19s28	1s19	25s 1	1s26	19n23	2n37	5n38	1n25	7s40	2n 5	24s21	0s28	23n39	0n22	13s12	4n13	16s47	16s38	11n20		n.a.

Julian Day Number = 1101898.5, Delta T = 11h01m53s
Ecliptic obliquity = 23°53'39, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'11, Lahiri = -27°21'11 Julian Calendar 1 Nov. 1697 BCE == Greg. Calendar 18 Oct. 1697 BCE

The year -1696 astronomical counting style corresponds to year 1697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1697 BCE
geocentric

DECEMBER 1697 BCE (-1696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 41 31	25♏56'21	26♉43	22♏ 5	9♑35	14♌35	19♍23	24♎23	1♑23	12°R28	17♏ 3	14°R18	14♒59	17♈55	n.a.	T 1
F 2	3 45 27	26°57'34	9♊ 0	23°43	10°16	14°56	19°32	24°30	1°26	12♋27	17° 5	14♒ 5	14°56	18° 2	n.a.	F 2
S 3	3 49 24	27°58'47	21°26	25°21	10°56	15°17	19°40	24°36	1°29	12°26	17° 7	13°53	14°53	18° 9	n.a.	S 3
S 4	3 53 20	28°59'59	4♋ 1	26°59	11°35	15°37	19°48	24°42	1°32	12°25	17° 9	13°44	14°50	18°15	n.a.	S 4
M 5	3 57 17	0♐ 1'10	16°47	28°38	12°12	15°57	19°57	24°48	1°35	12°24	17°11	13°38	14°47	18°22	n.a.	M 5
T 6	4 1 13	1° 2'20	29°44	0♐17	12°48	16°17	20° 5	24°54	1°38	12°23	17°13	13°36	14°44	18°29	n.a.	T 6
W 7	4 5 10	2° 3'30	12♌55	1°57	13°23	16°36	20°12	25° 0	1°41	12°22	17°16	13°D35	14°40	18°36	n.a.	W 7
T 8	4 9 6	3° 4'39	26°23	3°38	13°56	16°55	20°20	25° 6	1°44	12°21	17°18	13°R35	14°37	18°42	n.a.	T 8
F 9	4 13 3	4° 5'48	10♍ 8	5°19	14°28	17°14	20°28	25°12	1°48	12°19	17°20	13°35	14°34	18°49	n.a.	F 9
S 10	4 17 0	5° 6'56	24°12	7° 1	14°58	17°32	20°35	25°18	1°51	12°18	17°22	13°34	14°31	18°56	n.a.	S 10
S 11	4 20 56	6° 8'03	8♎36	8°43	15°26	17°49	20°43	25°24	1°54	12°17	17°24	13°30	14°28	19° 2	n.a.	S 11
M12	4 24 53	7° 9'10	23°16	10°26	15°53	18° 7	20°50	25°30	1°57	12°16	17°26	13°23	14°25	19° 9	n.a.	M12
T 13	4 28 49	8°10'15	8♏ 6	12° 9	16°18	18°24	20°57	25°36	2° 0	12°14	17°28	13°15	14°21	19°16	n.a.	T 13
W14	4 32 46	9°11'20	23° 0	13°53	16°41	18°40	21° 4	25°42	2° 4	12°13	17°30	13° 4	14°18	19°22	n.a.	W14
T 15	4 36 42	10°12'24	7♐48	15°37	17° 2	18°56	21°10	25°47	2° 7	12°12	17°32	12°54	14°15	19°29	n.a.	T 15
F 16	4 40 39	11°13'27	22°22	17°22	17°22	19°11	21°17	25°53	2°10	12°10	17°34	12°45	14°12	19°36	n.a.	F 16
S 17	4 44 36	12°14'29	6♑35	19° 7	17°39	19°26	21°23	25°58	2°13	12° 9	17°36	12°37	14° 9	19°43	n.a.	S 17
S 18	4 48 32	13°15'29	20°22	20°53	17°54	19°41	21°30	26° 4	2°17	12° 8	17°38	12°32	14° 6	19°49	n.a.	S 18
M19	4 52 29	14°16'27	3♒41	22°38	18° 7	19°55	21°36	26° 9	2°20	12° 6	17°40	12°30	14° 2	19°56	n.a.	M19
T 20	4 56 25	15°17'24	16°35	24°24	18°18	20° 8	21°42	26°15	2°23	12° 5	17°42	12°D30	13°59	20° 3	n.a.	T 20
W21	5 0 22	16°18'20	29° 7	26°10	18°27	20°21	21°48	26°20	2°27	12° 3	17°44	12°31	13°56	20° 9	n.a.	W21
T 22	5 4 18	17°19'13	11♓20	27°56	18°33	20°34	21°53	26°25	2°30	12° 2	17°46	12°32	13°53	20°16	n.a.	T 22
F 23	5 8 15	18°20'05	23°20	29°42	18°36	20°46	21°59	26°31	2°33	12° 0	17°48	12°R32	13°50	20°23	n.a.	F 23
S 24	5 12 11	19°20'56	5♈13	1♑27	18°R38	20°57	22° 4	26°36	2°37	11°59	17°50	12°30	13°46	20°30	n.a.	S 24
S 25	5 16 8	20°21'44	17° 4	3°12	18°36	21° 8	22° 9	26°41	2°40	11°57	17°51	12°26	13°43	20°36	n.a.	S 25
M26	5 20 5	21°22'31	28°56	4°55	18°33	21°18	22°14	26°46	2°44	11°56	17°53	12°20	13°40	20°43	n.a.	M26
T 27	5 24 1	22°23'16	10♉54	6°37	18°26	21°28	22°19	26°51	2°47	11°54	17°55	12°12	13°37	20°50	n.a.	T 27
W28	5 27 58	23°24'00	23° 1	8°17	18°18	21°37	22°24	26°56	2°50	11°53	17°57	12° 3	13°34	20°56	n.a.	W28
T 29	5 31 54	24°24'42	5♊19	9°56	18° 6	21°45	22°28	27° 0	2°54	11°51	17°59	11°54	13°31	21° 3	n.a.	T 29
F 30	5 35 51	25°25'22	17°49	11°31	17°52	21°53	22°33	27° 5	2°57	11°49	18° 1	11°45	13°27	21°10	n.a.	F 30
S 31	5 39 47	26♐26'01	0♋31	13♑ 4	17♑36	22♌ 1	22♍37	27♎10	3♑ 1	11♋48	18♏ 2	11♒37	13♒24	21♈17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	19s36	24n32	4n53	19s59	1s23	24s51	1s19	19n18	2n39	5n35	1n25	7s42	2n 5	24s21	0s28	23n39	0n22	13s12	4n13	16s51	16s39	11n23			n.a.
F 2	19 51	26 42	4 32	20 29	1 28	24 41	1 12	19 13	2 41	5 32	1 25	7 44	2 5	24 21	0 28	23 39	0 22	13 13	4 13	16 55	16 40	11 26			n.a.
S 3	20 5	27 35	3 59	20 57	1 32	24 30	1 4	19 8	2 42	5 28	1 26	7 46	2 5	24 21	0 28	23 40	0 22	13 14	4 13	16 58	16 41	11 29			n.a.
S 4	20 19	27 3	3 13	21 25	1 37	24 18	0 56	19 4	2 44	5 25	1 26	7 49	2 5	24 21	0 28	23 40	0 22	13 14	4 13	17 1	16 42	11 32			n.a.
M 5	20 32	25 5	2 17	21 52	1 40	24 7	0 48	18 59	2 46	5 22	1 26	7 51	2 5	24 21	0 28	23 40	0 22	13 15	4 12	17 3	16 43	11 35			n.a.
T 6	20 45	21 46	1 13	22 17	1 44	23 55	0 39	18 55	2 47	5 19	1 26	7 53	2 5	24 21	0 28	23 40	0 22	13 16	4 12	17 4	16 43	11 38			n.a.
W 7	20 58	17 19	0 3	22 42	1 47	23 43	0 30	18 50	2 49	5 16	1 26	7 55	2 5	24 21	0 28	23 40	0 22	13 16	4 12	17 4	16 44	11 41			n.a.
T 8	21 10	11 54	1s 7	23 5	1 50	23 30	0 21	18 46	2 51	5 13	1 27	7 57	2 5	24 21	0 28	23 40	0 22	13 17	4 12	17 4	16 45	11 44			n.a.
F 9	21 22	5 49	2 16	23 27	1 53	23 17	0 12	18 42	2 52	5 11	1 27	8 0	2 5	24 21	0 28	23 40	0 22	13 18	4 12	17 4	16 46	11 47			n.a.
S 10	21 33	0s41	3 18	23 47	1 55	23 4	0 2	18 38	2 54	5 8	1 27	8 2	2 5	24 21	0 28	23 41	0 22	13 18	4 12	17 4	16 47	11 50			n.a.
S 11	21 44	7 16	4 9	24 6	1 57	22 51	0n 8	18 34	2 56	5 5	1 27	8 4	2 6	24 21	0 28	23 41	0 22	13 19	4 12	17 5	16 48	11 53			n.a.
M12	21 55	13 35	4 44	24 23	1 59	22 37	0 19	18 30	2 58	5 2	1 28	8 6	2 6	24 21	0 28	23 41	0 22	13 20	4 12	17 7	16 49	11 56			n.a.
T 13	22 5	19 13	5 1	24 39	2 0	22 24	0 29	18 26	2 59	5 0	1 28	8 8	2 6	24 21	0 28	23 41	0 22	13 20	4 12	17 10	16 50	11 59			n.a.
W14	22 15	23 40	4 58	24 53	2 0	22 10	0 40	18 23	3 1	4 57	1 28	8 10	2 6	24 21	0 28	23 41	0 22	13 21	4 12	17 13	16 51	12 1			n.a.
T 15	22 24	26 33	4 35	25 6	2 1	21 56	0 52	18 19	3 3	4 55	1 28	8 12	2 6	24 21	0 28	23 41	0 22	13 22	4 12	17 16	16 52	12 4			n.a.
F 16	22 33	27 34	3 54	25 17	2 0	21 42	1 4	18 16	3 5	4 52	1 29	8 14	2 6	24 21	0 28	23 41	0 22	13 22	4 12	17 18	16 53	12 7			n.a.
S 17	22 41	26 43	2 59	25 25	2 0	21 27	1 16	18 13	3 7	4 50	1 29	8 16	2 6	24 20	0 28	23 42	0 22	13 23	4 12	17 20	16 54	12 10			n.a.
S 18	22 49	24 13	1 55	25 32	1 58	21 13	1 28	18 10	3 9	4 48	1 29	8 18	2 6	24 20	0 28	23 42	0 22	13 23	4 12	17 22	16 55	12 13			n.a.
M19	22 57	20 27	0 47	25 37	1 56	20 59	1 40	18 7	3 10	4 45	1 29	8 20	2 6	24 20	0 28	23 42	0 22	13 24	4 12	17 22	16 56	12 16			n.a.
T 20	23 4	15 49	0n22	25 40	1 54	20 45	1 53	18 5	3 12	4 43	1 30	8 22	2 6	24 20	0 28	23 42	0 22	13 25	4 12	17 23	16 57	12 19			n.a.
W21	23 10	10 38	1 28	25 41	1 51	20 30	2 7	18 2	3 14	4 41	1 30	8 23	2 7	24 20	0 28	23 42	0 22	13 25	4 12	17 22	16 58	12 22			n.a.
T 22	23 17	5 10	2 28	25 40	1 47	20 16	2 20	18 0	3 16	4 39	1 30	8 25	2 7	24 20	0 28	23 42	0 22	13 26	4 12	17 22	16 58	12 25			n.a.
F 23	23 22	0n22	3 21	25 36	1 43	20 2	2 34	17 58	3 18	4 37	1 30	8 27	2 7	24 20	0 28	23 42	0 22	13 26	4 12	17 22	16 59	12 28			n.a.
S 24	23 27	5 50	4 4	25 31	1 37	19 48	2 48	17 56	3 20	4 35	1 31	8 29	2 7	24 20	0 28	23 43	0 22	13 27	4 12	17 23	17 0	12 31			n.a.
S 25	23 32	11 4	4 37	25 23	1 31	19 35	3 2	17 54	3 22	4 33	1 31	8 31	2 7	24 20	0 28	23 43	0 22	13 27	4 12	17 24	17 1	12 34			n.a.
M26	23 36	15 56	4 58	25 13	1 25	19 21	3 16	17 53	3 24	4 32	1 31	8 32	2 7	24 20	0 28	23 43	0 22	13 28	4 12	17 25	17 2	12 37			n.a.
T 27	23 40	20 13	5 6	25 1	1 17	19 7	3 30	17 51	3 26	4 30	1 31	8 34	2 7	24 20	0 28	23 43	0 22	13 28	4 11	17 28	17 3	12 40			n.a.
W28	23 43	23 43	5 1	24 46	1 9	18 54	3 45	17 50	3 28	4 28	1 32	8 36	2 7	24 20	0 28	23 43	0 22	13 29	4 11	17 30	17 4	12 43			n.a.
T 29	23 46	26 12	4 41	24 30	1 0	18 41	3 59	17 49	3 30	4 27	1 32	8 37	2 8	24 20	0 28	23 43	0 22	13 29	4 11	17 33	17 5	12 45			n.a.
F 30	23 49	27 27	4 8	24 12	0 50	18 29	4 14	17 48	3 32	4 25	1 32	8 39	2 8	24 20	0 28	23 44	0 22	13 30	4 11	17 35	17 6	12 48			n.a.
S 31	23s51	27n16	3n23	23s53	0s39	18s16	4n29	17n48	3n34	4n24	1n32	8s40	2n 8	24s20	0s28	23n44	0n22	13s31	4n11	17s38	17s 7	12n51			n.a.

Julian Day Number = 1101928.5, Delta T = 11h01m51s
Ecliptic obliquity = 23°53'38, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'07, Lahiri = -27°21'07 Julian Calendar 1 Dec. 1697 BCE == Greg. Calendar 17 Nov. 1697 BCE

The year -1696 astronomical counting style corresponds to year 1697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

JANUARY 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 43 44	27♐26'37	13♋26	14♑32	17°R17	22♌ 7	22♍41	27♎14	3♑ 4	11°R46	18♏ 4	11°R32	13♒21	21♈23	n.a.	S 1
M 2	5 47 41	28°27'13	26°33	15°56	16♑55	22°13	22°45	27°19	3° 8	11♋45	18° 6	11♒28	13°18	21°30	n.a.	M 2
T 3	5 51 37	29°27'46	9♌51	17°16	16°32	22°18	22°48	27°23	3°11	11°43	18° 8	11°D27	13°15	21°37	n.a.	T 3
W 4	5 55 34	0♑28'18	23°20	18°29	16° 6	22°23	22°52	27°28	3°15	11°41	18° 9	11°28	13°12	21°43	n.a.	W 4
T 5	5 59 30	1°28'49	7♍ 0	19°36	15°38	22°27	22°55	27°32	3°18	11°40	18°11	11°29	13° 8	21°50	n.a.	T 5
F 6	6 3 27	2°29'18	20°51	20°36	15° 8	22°30	22°58	27°36	3°21	11°38	18°13	11°31	13° 5	21°57	n.a.	F 6
S 7	6 7 23	3°29'45	4♎53	21°28	14°37	22°33	23° 1	27°40	3°25	11°36	18°14	11°R31	13° 2	22° 4	n.a.	S 7
S 8	6 11 20	4°30'11	19° 4	22°11	14° 4	22°35	23° 4	27°44	3°28	11°35	18°16	11°30	12°59	22°10	n.a.	S 8
M 9	6 15 16	5°30'35	3♏24	22°46	13°29	22°36	23° 7	27°48	3°32	11°33	18°18	11°28	12°56	22°17	n.a.	M 9
T 10	6 19 13	6°30'58	17°49	23°11	12°54	22°R36	23° 9	27°52	3°35	11°31	18°19	11°23	12°52	22°24	n.a.	T 10
W11	6 23 10	7°31'19	2♐14	23°27	12°17	22°36	23°11	27°56	3°39	11°30	18°21	11°18	12°49	22°30	n.a.	W11
T 12	6 27 6	8°31'39	16°34	23°R32	11°40	22°35	23°13	28° 0	3°42	11°28	18°22	11°13	12°46	22°37	n.a.	T 12
F 13	6 31 3	9°31'57	0♑43	23°28	11° 2	22°33	23°15	28° 4	3°46	11°26	18°24	11° 8	12°43	22°44	n.a.	F 13
S 14	6 34 59	10°32'13	14°37	23°14	10°25	22°30	23°17	28° 7	3°49	11°25	18°25	11° 5	12°40	22°51	n.a.	S 14
S 15	6 38 56	11°32'27	28°12	22°50	9°47	22°27	23°18	28°11	3°52	11°23	18°27	11° 2	12°37	22°57	n.a.	S 15
M16	6 42 52	12°32'38	11♒26	22°18	9°10	22°23	23°20	28°14	3°56	11°21	18°28	11°D 2	12°33	23° 4	n.a.	M16
T 17	6 46 49	13°32'48	24°18	21°38	8°33	22°18	23°21	28°17	3°59	11°20	18°30	11° 2	12°30	23°11	n.a.	T 17
W18	6 50 45	14°32'55	6♓51	20°51	7°57	22°12	23°22	28°21	4° 3	11°18	18°31	11° 4	12°27	23°18	n.a.	W18
T 19	6 54 42	15°33'00	19° 7	19°58	7°22	22° 6	23°22	28°24	4° 6	11°16	18°32	11° 6	12°24	23°24	n.a.	T 19
F 20	6 58 39	16°33'02	1♈11	19° 1	6°48	21°58	23°23	28°27	4°10	11°15	18°34	11° 7	12°21	23°31	n.a.	F 20
S 21	7 2 35	17°33'03	13° 6	18° 1	6°16	21°50	23°23	28°30	4°13	11°13	18°35	11°R 8	12°17	23°38	n.a.	S 21
S 22	7 6 32	18°33'01	24°58	17° 0	5°46	21°41	23°R24	28°33	4°16	11°11	18°36	11° 8	12°14	23°44	n.a.	S 22
M23	7 10 28	19°32'56	6♉52	15°58	5°17	21°32	23°24	28°36	4°20	11°10	18°38	11° 7	12°11	23°51	n.a.	M23
T 24	7 14 25	20°32'50	18°52	14°58	4°51	21°21	23°23	28°38	4°23	11° 8	18°39	11° 5	12° 8	23°58	n.a.	T 24
W25	7 18 21	21°32'41	1♊ 2	14° 1	4°26	21°10	23°23	28°41	4°26	11° 7	18°40	11° 2	12° 5	24° 5	n.a.	W25
T 26	7 22 18	22°32'29	13°25	13° 7	4° 4	20°58	23°22	28°43	4°30	11° 5	18°41	10°59	12° 2	24°11	n.a.	T 26
F 27	7 26 14	23°32'16	26° 4	12°18	3°44	20°46	23°22	28°46	4°33	11° 3	18°42	10°56	11°58	24°18	n.a.	F 27
S 28	7 30 11	24°32'00	9♋ 1	11°34	3°26	20°32	23°21	28°48	4°36	11° 2	18°44	10°54	11°55	24°25	n.a.	S 28
S 29	7 34 8	25°31'42	22°14	10°56	3°11	20°18	23°19	28°50	4°40	11° 0	18°45	10°53	11°52	24°31	n.a.	S 29
M30	7 38 4	26°31'22	5♌44	10°24	2°58	20° 3	23°18	28°53	4°43	10°58	18°46	10°D52	11°49	24°38	n.a.	M30
T 31	7 42 1	27♑30'59	19♌29	9♑59	2♑48	19♌48	23♍17	28♎55	4♑46	10♋57	18♏47	10♒52	11♒46	24♈45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23 s52	25n37	2n26	23 s32	0 s27	18 s 4	4n43	17n47	3n36	4n22	1n33	8 s42	2n 8	24 s19	0 s28	23n44	0n22	13 s31	4n11	17 s39	17 s 8	12n54			n.a.
M 2	23 53	22 33	1 20	23 9	0 14	17 53	4 58	17 47	3 38	4 21	1 33	8 43	2 8	24 19	0 28	23 44	0 22	13 32	4 11	17 40	17 9	12 57			n.a.
T 3	23 54	18 15	0 9	22 46	0 1	17 42	5 12	17 47	3 40	4 20	1 33	8 45	2 8	24 19	0 28	23 44	0 22	13 32	4 11	17 40	17 10	13 0			n.a.
W 4	23 54	13 0	1 s 4	22 22	0n13	17 31	5 26	17 48	3 42	4 19	1 33	8 46	2 8	24 19	0 28	23 44	0 22	13 33	4 11	17 40	17 11	13 3			n.a.
T 5	23 53	7 2	2 14	21 58	0 28	17 20	5 39	17 48	3 44	4 17	1 34	8 48	2 8	24 19	0 28	23 45	0 22	13 33	4 11	17 40	17 11	13 6			n.a.
F 6	23 52	0 41	3 17	21 34	0 44	17 11	5 53	17 49	3 46	4 16	1 34	8 49	2 9	24 19	0 28	23 45	0 22	13 33	4 11	17 39	17 12	13 9			n.a.
S 7	23 51	5 s47	4 10	21 10	1 0	17 1	6 5	17 50	3 48	4 15	1 34	8 51	2 9	24 19	0 28	23 45	0 22	13 34	4 11	17 39	17 13	13 11			n.a.
S 8	23 49	12 1	4 48	20 46	1 16	16 53	6 18	17 51	3 50	4 15	1 35	8 52	2 9	24 19	0 28	23 45	0 22	13 34	4 11	17 40	17 14	13 14			n.a.
M 9	23 47	17 41	5 8	20 24	1 33	16 44	6 29	17 53	3 52	4 14	1 35	8 53	2 9	24 19	0 28	23 45	0 22	13 35	4 11	17 40	17 15	13 17			n.a.
T 10	23 44	22 24	5 9	20 4	1 49	16 37	6 41	17 55	3 54	4 13	1 35	8 55	2 9	24 19	0 28	23 45	0 22	13 35	4 11	17 41	17 16	13 20			n.a.
W11	23 41	25 44	4 51	19 45	2 6	16 30	6 51	17 56	3 56	4 12	1 35	8 56	2 9	24 19	0 28	23 45	0 22	13 36	4 11	17 43	17 17	13 23			n.a.
T 12	23 37	27 25	4 14	19 28	2 22	16 23	7 1	17 59	3 58	4 12	1 36	8 57	2 10	24 19	0 28	23 46	0 22	13 36	4 11	17 44	17 18	13 26			n.a.
F 13	23 33	27 16	3 22	19 13	2 38	16 17	7 10	18 1	3 59	4 11	1 36	8 58	2 10	24 18	0 28	23 46	0 22	13 37	4 11	17 46	17 19	13 29			n.a.
S 14	23 28	25 23	2 19	19 1	2 53	16 12	7 18	18 4	4 1	4 11	1 36	8 59	2 10	24 18	0 28	23 46	0 22	13 37	4 11	17 47	17 20	13 31			n.a.
S 15	23 23	22 3	1 10	18 51	3 7	16 8	7 25	18 7	4 3	4 11	1 36	9 0	2 10	24 18	0 28	23 46	0 23	13 37	4 11	17 47	17 21	13 34			n.a.
M16	23 17	17 39	0n 2	18 44	3 19	16 4	7 32	18 10	4 5	4 10	1 37	9 2	2 10	24 18	0 28	23 46	0 23	13 38	4 11	17 47	17 22	13 37			n.a.
T 17	23 11	12 32	1 12	18 40	3 30	16 1	7 37	18 13	4 7	4 10	1 37	9 3	2 10	24 18	0 28	23 46	0 23	13 38	4 11	17 47	17 22	13 40			n.a.
W18	23 5	7 3	2 17	18 38	3 39	15 58	7 42	18 17	4 9	4 10	1 37	9 4	2 10	24 18	0 28	23 47	0 23	13 38	4 11	17 47	17 23	13 43			n.a.
T 19	22 58	1 25	3 14	18 38	3 47	15 56	7 45	18 21	4 11	4 10	1 37	9 5	2 11	24 18	0 28	23 47	0 23	13 39	4 11	17 46	17 24	13 46			n.a.
F 20	22 51	4n 9	4 1	18 41	3 52	15 55	7 48	18 25	4 12	4 10	1 38	9 6	2 11	24 18	0 28	23 47	0 23	13 39	4 11	17 46	17 25	13 48			n.a.
S 21	22 43	9 31	4 38	18 46	3 55	15 55	7 50	18 29	4 14	4 10	1 38	9 6	2 11	24 18	0 28	23 47	0 23	13 40	4 11	17 46	17 26	13 51			n.a.
S 22	22 35	14 31	5 2	18 53	3 56	15 55	7 51	18 34	4 16	4 10	1 38	9 7	2 11	24 18	0 28	23 47	0 23	13 40	4 11	17 46	17 27	13 54			n.a.
M23	22 26	18 59	5 14	19 2	3 55	15 56	7 52	18 39	4 18	4 11	1 39	9 8	2 11	24 17	0 28	23 47	0 23	13 40	4 11	17 46	17 28	13 57			n.a.
T 24	22 17	22 44	5 12	19 12	3 52	15 57	7 51	18 44	4 19	4 11	1 39	9 9	2 11	24 17	0 28	23 48	0 23	13 41	4 11	17 47	17 29	14 0			n.a.
W25	22 8	25 34	4 56	19 23	3 47	15 59	7 50	18 49	4 21	4 11	1 39	9 10	2 12	24 17	0 28	23 48	0 23	13 41	4 11	17 47	17 30	14 3			n.a.
T 26	21 58	27 14	4 26	19 35	3 40	16 2	7 48	18 54	4 22	4 12	1 39	9 11	2 12	24 17	0 28	23 48	0 23	13 41	4 11	17 48	17 31	14 5			n.a.
F 27	21 48	27 32	3 42	19 48	3 32	16 5	7 45	19 0	4 24	4 12	1 40	9 11	2 12	24 17	0 28	23 48	0 23	13 41	4 11	17 49	17 32	14 8			n.a.
S 28	21 37	26 21	2 47	20 1	3 22	16 9	7 42	19 5	4 25	4 13	1 40	9 12	2 12	24 17	0 28	23 48	0 23	13 42	4 11	17 50	17 32	14 11			n.a.
S 29	21 26	23 41	1 41	20 15	3 11	16 14	7 38	19 11	4 26	4 14	1 40	9 13	2 12	24 17	0 28	23 48	0 23	13 42	4 12	17 50	17 33	14 14			n.a.
M30	21 15	19 39	0 28	20 29	3 0	16 18	7 33	19 17	4 28	4 14	1 40	9 13	2 13	24 17	0 28	23 48	0 23	13 42	4 12	17 50	17 34	14 17			n.a.
T 31	21 s 3	14n30	0 s47	20 s44	2n47	16 s24	7n28	19n24	4n29	4n15	1n41	9 s14	2n13	24 s17	0 s28	23n49	0n23	13 s43	4n12	17 s50	17 s35	14n19			n.a.

Julian Day Number = 1101959.5, Delta T = 11h01m49s
Ecliptic obliquity = 23°53'37, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°28'03, Lahiri = -27°21'02 Julian Calendar 1 Jan. 1696 BCE == Greg. Calendar 18 Dec. 1697 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

FEBRUARY 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 45 57	28♉30'34	3♍25	9°R40	2°R40	19°R32	23°R15	28♎57	4♉49	10°R55	18♏48	10♒53	11♒43	24♈52	n.a.	W 1
T 2	7 49 54	29°30'08	17°30	9♉27	2♉35	19♌15	23♍13	28°58	4°53	10♋54	18°49	10°53	11°39	24°58	n.a.	T 2
F 3	7 53 50	0♒29'39	1♎40	9°20	2°32	18°58	23°11	29° 0	4°56	10°52	18°50	10°54	11°36	25° 5	n.a.	F 3
S 4	7 57 47	1°29'08	15°54	9°D20	2°D32	18°40	23° 9	29° 2	4°59	10°51	18°51	10°55	11°33	25°12	n.a.	S 4
S 5	8 1 43	2°28'36	0♏ 7	9°25	2°34	18°21	23° 6	29° 3	5° 2	10°49	18°52	10°R55	11°30	25°18	n.a.	S 5
M 6	8 5 40	3°28'02	14°19	9°37	2°39	18° 2	23° 4	29° 5	5° 5	10°48	18°52	10°55	11°27	25°25	n.a.	M 6
T 7	8 9 36	4°27'26	28°25	9°53	2°45	17°42	23° 1	29° 6	5° 8	10°46	18°53	10°55	11°23	25°32	n.a.	T 7
W 8	8 13 33	5°26'48	12♐26	10°15	2°54	17°22	22°58	29° 8	5°12	10°45	18°54	10°54	11°20	25°39	n.a.	W 8
T 9	8 17 30	6°26'08	26°17	10°41	3° 6	17° 1	22°55	29° 9	5°15	10°43	18°55	10°54	11°17	25°45	n.a.	T 9
F 10	8 21 26	7°25'26	9♉57	11°12	3°19	16°40	22°51	29°10	5°18	10°42	18°56	10°53	11°14	25°52	n.a.	F 10
S 11	8 25 23	8°24'42	23°24	11°47	3°34	16°19	22°48	29°11	5°21	10°40	18°56	10°53	11°11	25°59	n.a.	S 11
S 12	8 29 19	9°23'56	6♒37	12°26	3°52	15°57	22°44	29°12	5°24	10°39	18°57	10°D53	11° 8	26° 5	n.a.	S 12
M13	8 33 16	10°23'07	19°34	13° 9	4°11	15°35	22°40	29°13	5°27	10°37	18°58	10°R53	11° 4	26°12	n.a.	M13
T 14	8 37 12	11°22'17	2♓16	13°56	4°32	15°12	22°36	29°13	5°30	10°36	18°58	10°53	11° 1	26°19	n.a.	T 14
W15	8 41 9	12°21'24	14°43	14°46	4°55	14°50	22°32	29°14	5°33	10°34	18°59	10°53	10°58	26°26	n.a.	W15
T 16	8 45 5	13°20'28	26°57	15°39	5°19	14°27	22°28	29°15	5°36	10°33	18°59	10°53	10°55	26°32	n.a.	T 16
F 17	8 49 2	14°19'30	9♈ 1	16°35	5°46	14° 4	22°23	29°15	5°38	10°32	19° 0	10°52	10°52	26°39	n.a.	F 17
S 18	8 52 58	15°18'30	20°57	17°34	6°13	13°41	22°18	29°15	5°41	10°30	19° 1	10°52	10°49	26°46	n.a.	S 18
S 19	8 56 55	16°17'28	2♉49	18°36	6°43	13°18	22°14	29°15	5°44	10°29	19° 1	10°51	10°45	26°53	n.a.	S 19
M20	9 0 52	17°16'23	14°43	19°40	7°14	12°55	22° 9	29°16	5°47	10°28	19° 1	10°D51	10°42	26°59	n.a.	M20
T 21	9 4 48	18°15'15	26°42	20°47	7°46	12°32	22° 4	29°R16	5°50	10°27	19° 2	10°51	10°39	27° 6	n.a.	T 21
W22	9 8 45	19°14'05	8♊52	21°56	8°20	12° 9	21°58	29°16	5°52	10°25	19° 2	10°52	10°36	27°13	n.a.	W22
T 23	9 12 41	20°12'53	21°16	23° 8	8°55	11°47	21°53	29°15	5°55	10°24	19° 3	10°52	10°33	27°19	n.a.	T 23
F 24	9 16 38	21°11'39	3♋58	24°22	9°31	11°24	21°47	29°15	5°58	10°23	19° 3	10°53	10°29	27°26	n.a.	F 24
S 25	9 20 34	22°10'22	17° 1	25°37	10° 8	11° 2	21°42	29°15	6° 1	10°22	19° 3	10°54	10°26	27°33	n.a.	S 25
S 26	9 24 31	23° 9'03	0♌27	26°55	10°47	10°40	21°36	29°14	6° 3	10°21	19° 3	10°55	10°23	27°40	n.a.	S 26
M27	9 28 27	24° 7'41	14°14	28°15	11°27	10°19	21°30	29°14	6° 6	10°20	19° 4	10°R55	10°20	27°46	n.a.	M27
T 28	9 32 24	25♒ 6'17	28♌22	29♉36	12♉ 7	9♌57	21♍24	29♎13	6♉ 8	10♋19	19♏ 4	10♒55	10♒17	27♈53	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20s51	8n34	2s 2	20s58	2n34	16s29	7n23	19n30	4n30	4n16	1n41	9s14	2n13	24s17	0s28	23n49	0n23	13s43	4n12	17s50	17s36	14n22		n.a.
T 2	20 38	2 8	3 9	21 12	2 21	16 35	7 17	19 36	4 31	4 17	1 41	9 15	2 13	24 16	0 28	23 49	0 23	13 43	4 12	17 50	17 37	14 25		n.a.
F 3	20 26	4s25	4 5	21 26	2 8	16 42	7 11	19 43	4 32	4 18	1 41	9 15	2 13	24 16	0 28	23 49	0 23	13 43	4 12	17 50	17 38	14 28		n.a.
S 4	20 12	10 46	4 47	21 40	1 54	16 48	7 4	19 49	4 33	4 19	1 42	9 16	2 13	24 16	0 28	23 49	0 23	13 44	4 12	17 49	17 39	14 30		n.a.
S 5	19 59	16 34	5 11	21 53	1 40	16 55	6 57	19 56	4 33	4 21	1 42	9 16	2 14	24 16	0 28	23 49	0 23	13 44	4 12	17 49	17 40	14 33		n.a.
M 6	19 45	21 27	5 16	22 6	1 27	17 2	6 50	20 3	4 34	4 22	1 42	9 16	2 14	24 16	0 28	23 49	0 23	13 44	4 12	17 49	17 41	14 36		n.a.
T 7	19 31	25 5	5 2	22 18	1 13	17 10	6 42	20 10	4 35	4 23	1 42	9 17	2 14	24 16	0 28	23 50	0 23	13 44	4 12	17 49	17 41	14 39		n.a.
W 8	19 16	27 10	4 30	22 29	1 0	17 17	6 34	20 17	4 35	4 25	1 43	9 17	2 14	24 16	0 28	23 50	0 23	13 44	4 12	17 50	17 42	14 41		n.a.
T 9	19 1	27 33	3 43	22 40	0 47	17 25	6 27	20 23	4 35	4 26	1 43	9 17	2 14	24 16	0 28	23 50	0 23	13 45	4 12	17 50	17 43	14 44		n.a.
F 10	18 46	26 13	2 43	22 50	0 35	17 33	6 18	20 30	4 36	4 28	1 43	9 18	2 14	24 16	0 28	23 50	0 23	13 45	4 12	17 50	17 44	14 47		n.a.
S 11	18 30	23 23	1 35	22 59	0 22	17 41	6 10	20 37	4 36	4 29	1 43	9 18	2 15	24 15	0 28	23 50	0 23	13 45	4 12	17 50	17 45	14 50		n.a.
S 12	18 14	19 21	0 24	23 8	0 10	17 48	6 2	20 44	4 36	4 31	1 44	9 18	2 15	24 15	0 29	23 50	0 23	13 45	4 12	17 50	17 46	14 52		n.a.
M13	17 58	14 28	0n48	23 15	0s 1	17 56	5 53	20 51	4 36	4 33	1 44	9 18	2 15	24 15	0 29	23 50	0 23	13 45	4 12	17 50	17 47	14 55		n.a.
T 14	17 42	9 4	1 56	23 21	0 12	18 4	5 45	20 57	4 36	4 35	1 44	9 18	2 15	24 15	0 29	23 50	0 23	13 45	4 12	17 50	17 48	14 58		n.a.
W15	17 25	3 25	2 57	23 26	0 23	18 12	5 36	21 4	4 35	4 36	1 44	9 18	2 15	24 15	0 29	23 51	0 23	13 45	4 12	17 50	17 49	15 1		n.a.
T 16	17 8	2n15	3 48	23 30	0 33	18 20	5 28	21 11	4 35	4 38	1 44	9 18	2 16	24 15	0 29	23 51	0 23	13 46	4 12	17 50	17 49	15 3		n.a.
F 17	16 51	7 45	4 29	23 33	0 43	18 27	5 19	21 17	4 34	4 40	1 45	9 18	2 16	24 15	0 29	23 51	0 23	13 46	4 12	17 50	17 50	15 6		n.a.
S 18	16 33	12 54	4 58	23 35	0 53	18 35	5 10	21 23	4 34	4 42	1 45	9 18	2 16	24 15	0 29	23 51	0 23	13 46	4 12	17 50	17 51	15 9		n.a.
S 19	16 15	17 34	5 14	23 35	1 2	18 42	5 1	21 29	4 33	4 45	1 45	9 18	2 16	24 15	0 29	23 51	0 23	13 46	4 12	17 50	17 52	15 11		n.a.
M20	15 57	21 35	5 16	23 35	1 10	18 49	4 53	21 35	4 32	4 47	1 45	9 18	2 16	24 15	0 29	23 51	0 23	13 46	4 12	17 50	17 53	15 14		n.a.
T 21	15 39	24 43	5 5	23 32	1 18	18 56	4 44	21 41	4 31	4 49	1 45	9 18	2 16	24 14	0 29	23 51	0 23	13 46	4 12	17 50	17 54	15 17		n.a.
W22	15 20	26 48	4 40	23 29	1 26	19 3	4 35	21 47	4 30	4 51	1 46	9 18	2 17	24 14	0 29	23 51	0 23	13 46	4 12	17 50	17 55	15 20		n.a.
T 23	15 1	27 37	4 1	23 24	1 33	19 9	4 27	21 52	4 29	4 54	1 46	9 17	2 17	24 14	0 29	23 51	0 23	13 46	4 12	17 50	17 56	15 22		n.a.
F 24	14 42	27 0	3 11	23 17	1 40	19 15	4 18	21 58	4 27	4 56	1 46	9 17	2 17	24 14	0 29	23 52	0 23	13 46	4 12	17 50	17 56	15 25		n.a.
S 25	14 23	24 55	2 8	23 9	1 46	19 21	4 9	22 3	4 26	4 58	1 46	9 17	2 17	24 14	0 29	23 52	0 23	13 46	4 12	17 50	17 57	15 28		n.a.
S 26	14 3	21 23	0 58	23 0	1 51	19 27	4 1	22 7	4 24	5 1	1 46	9 16	2 17	24 14	0 29	23 52	0 23	13 46	4 12	17 49	17 58	15 30		n.a.
M27	13 44	16 35	0s18	22 48	1 57	19 32	3 52	22 12	4 23	5 3	1 46	9 16	2 17	24 14	0 29	23 52	0 23	13 46	4 12	17 49	17 59	15 33		n.a.
T 28	13s24	10n47	1s35	22s36	2s 1	19s37	3n44	22n16	4n21	5n 6	1n46	9s16	2n18	24s14	0s29	23n52	0n23	13s46	4n12	17s49	18s 0	15n36		n.a.

Julian Day Number = 1101990.5, Delta T = 11h01m47s
Ecliptic obliquity = 23°53'37, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'59, Lahiri = -27°20'58 Julian Calendar 1 Feb. 1696 BCE == Greg. Calendar 18 Jan. 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

MARCH 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 36 20	26♒ 4'51	12♍45	1♒ 0	12♉49	9°R36	21°R18	29°R12	6♉11	10°R17	19♏ 4	10°R53	10♒14	28♈ 0	n.a.	W 1
T 2	9 40 17	27° 3'24	27°19	2°25	13°32	9♌16	21♍11	29♎11	6°13	10♋16	19° 4	10♒52	10°10	28° 6	n.a.	T 2
F 3	9 44 14	28° 1'54	11♎57	3°52	14°16	8°56	21° 5	29°10	6°16	10°15	19° 4	10°49	10° 7	28°13	n.a.	F 3
S 4	9 48 10	29° 0'22	26°32	5°21	15° 1	8°37	20°59	29° 9	6°18	10°14	19° 4	10°47	10° 4	28°20	n.a.	S 4
S 5	9 52 7	29°58'49	11♏ 0	6°52	15°46	8°18	20°52	29° 8	6°20	10°13	19° 4	10°46	10° 1	28°27	n.a.	S 5
M 6	9 56 3	0♓57'14	25°16	8°24	16°33	7°59	20°45	29° 7	6°23	10°12	19°R 4	10°D45	9°58	28°33	n.a.	M 6
T 7	10 0 0	1°55'37	9♐17	9°59	17°20	7°42	20°38	29° 6	6°25	10°12	19° 4	10°45	9°55	28°40	n.a.	T 7
W 8	10 3 56	2°53'59	23° 4	11°34	18° 8	7°24	20°32	29° 4	6°27	10°11	19° 4	10°46	9°51	28°47	n.a.	W 8
T 9	10 7 53	3°52'19	6♉35	13°12	18°57	7° 8	20°25	29° 3	6°30	10°10	19° 4	10°47	9°48	28°54	n.a.	T 9
F 10	10 11 49	4°50'37	19°51	14°51	19°47	6°52	20°18	29° 1	6°32	10° 9	19° 4	10°49	9°45	29° 0	n.a.	F 10
S 11	10 15 46	5°48'53	2♒54	16°32	20°37	6°37	20°10	29° 0	6°34	10° 8	19° 4	10°50	9°42	29° 7	n.a.	S 11
S 12	10 19 43	6°47'08	15°43	18°15	21°28	6°22	20° 3	28°58	6°36	10° 7	19° 4	10°R50	9°39	29°14	n.a.	S 12
M13	10 23 39	7°45'21	28°21	19°59	22°19	6° 9	19°56	28°56	6°38	10° 7	19° 4	10°49	9°35	29°20	n.a.	M13
T 14	10 27 36	8°43'32	10♓47	21°45	23°12	5°56	19°49	28°54	6°40	10° 6	19° 3	10°46	9°32	29°27	n.a.	T 14
W15	10 31 32	9°41'40	23° 4	23°33	24° 4	5°44	19°41	28°52	6°42	10° 5	19° 3	10°42	9°29	29°34	n.a.	W15
T 16	10 35 29	10°39'47	5♈11	25°22	24°58	5°32	19°34	28°50	6°44	10° 5	19° 3	10°37	9°26	29°41	n.a.	T 16
F 17	10 39 25	11°37'52	17°11	27°14	25°52	5°22	19°26	28°48	6°46	10° 4	19° 2	10°32	9°23	29°47	n.a.	F 17
S 18	10 43 22	12°35'55	29° 5	29° 6	26°46	5°12	19°19	28°45	6°48	10° 3	19° 2	10°26	9°20	29°54	n.a.	S 18
S 19	10 47 18	13°33'57	10♉57	1♓ 1	27°41	5° 3	19°11	28°43	6°50	10° 3	19° 2	10°22	9°16	0♉ 1	n.a.	S 19
M20	10 51 15	14°31'56	22°50	2°57	28°36	4°55	19° 4	28°41	6°52	10° 2	19° 1	10°18	9°13	0° 7	n.a.	M20
T 21	10 55 11	15°29'53	4♊48	4°55	29°32	4°47	18°56	28°38	6°53	10° 2	19° 1	10°16	9°10	0°14	n.a.	T 21
W22	10 59 8	16°27'48	16°55	6°55	0♒29	4°41	18°48	28°35	6°55	10° 1	19° 0	10°D15	9° 7	0°21	n.a.	W22
T 23	11 3 5	17°25'41	29°16	8°56	1°25	4°35	18°41	28°33	6°57	10° 1	19° 0	10°16	9° 4	0°28	n.a.	T 23
F 24	11 7 1	18°23'33	11♋55	10°59	2°23	4°30	18°33	28°30	6°58	10° 1	18°59	10°17	9° 1	0°34	n.a.	F 24
S 25	11 10 58	19°21'22	24°57	13° 3	3°20	4°26	18°25	28°27	7° 0	10° 0	18°59	10°19	8°57	0°41	n.a.	S 25
S 26	11 14 54	20°19'09	8♌25	15° 9	4°18	4°22	18°18	28°24	7° 1	10° 0	18°58	10°R20	8°54	0°48	n.a.	S 26
M27	11 18 51	21°16'55	22°20	17°16	5°17	4°20	18°10	28°21	7° 3	10° 0	18°58	10°19	8°51	0°55	n.a.	M27
T 28	11 22 47	22°14'39	6♍41	19°24	6°16	4°18	18° 3	28°18	7° 4	9°59	18°57	10°17	8°48	1° 1	n.a.	T 28
W29	11 26 44	23°12'21	21°23	21°33	7°15	4°17	17°55	28°15	7° 6	9°59	18°56	10°12	8°45	1° 8	n.a.	W29
T 30	11 30 40	24°10'01	6♎20	23°43	8°14	4°D17	17°47	28°12	7° 7	9°59	18°56	10° 7	8°41	1°15	n.a.	T 30
F 31	11 34 37	25♓ 7'40	21♎23	25♓53	9♒14	4♌18	17♍40	28♎ 9	7♉ 8	9♋59	18♏55	10♒ 0	8♒38	1♉21	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	13s 4	4n20	2s47	22s21	2s 6	19s42	3n35	22n20	4n19	5n 8	1n47	9s15	2n18	24s14	0s29	23n52	0n23	13s46	4n12	17s50	18s 1	15n38			n.a.
T 2	12 43	2s24	3 49	22 5	2 9	19 46	3 27	22 24	4 17	5 11	1 47	9 15	2 18	24 14	0 29	23 52	0 23	13 46	4 12	17 50	18 2	15 41			n.a.
F 3	12 23	9 2	4 36	21 48	2 12	19 49	3 19	22 28	4 15	5 14	1 47	9 14	2 18	24 13	0 29	23 52	0 23	13 46	4 13	17 51	18 3	15 44			n.a.
S 4	12 2	15 9	5 5	21 28	2 15	19 53	3 10	22 31	4 13	5 17	1 47	9 14	2 18	24 13	0 29	23 52	0 23	13 46	4 13	17 52	18 3	15 46			n.a.
S 5	11 41	20 23	5 15	21 7	2 17	19 55	3 2	22 34	4 11	5 19	1 47	9 13	2 18	24 13	0 29	23 52	0 23	13 46	4 13	17 52	18 4	15 49			n.a.
M 6	11 20	24 22	5 5	20 44	2 19	19 58	2 54	22 37	4 9	5 22	1 47	9 13	2 19	24 13	0 29	23 52	0 23	13 46	4 13	17 52	18 5	15 51			n.a.
T 7	10 59	26 49	4 37	20 20	2 20	20 0	2 46	22 39	4 7	5 25	1 47	9 12	2 19	24 13	0 29	23 52	0 23	13 46	4 13	17 52	18 6	15 54			n.a.
W 8	10 38	27 35	3 53	19 53	2 21	20 1	2 38	22 42	4 4	5 28	1 47	9 11	2 19	24 13	0 29	23 53	0 23	13 46	4 13	17 52	18 7	15 57			n.a.
T 9	10 16	26 41	2 57	19 25	2 21	20 2	2 31	22 44	4 2	5 31	1 47	9 11	2 19	24 13	0 29	23 53	0 23	13 46	4 13	17 52	18 8	15 59			n.a.
F 10	9 55	24 15	1 53	18 55	2 20	20 3	2 23	22 46	3 59	5 33	1 48	9 10	2 19	24 13	0 29	23 53	0 23	13 46	4 13	17 51	18 9	16 2			n.a.
S 11	9 33	20 35	0 43	18 23	2 20	20 3	2 15	22 47	3 57	5 36	1 48	9 9	2 19	24 13	0 29	23 53	0 23	13 46	4 13	17 51	18 10	16 5			n.a.
S 12	9 11	16 0	0n27	17 50	2 18	20 2	2 8	22 48	3 54	5 39	1 48	9 9	2 20	24 13	0 29	23 53	0 23	13 46	4 13	17 51	18 10	16 7			n.a.
M13	8 49	10 48	1 35	17 14	2 16	20 2	2 0	22 49	3 51	5 42	1 48	9 8	2 20	24 13	0 29	23 53	0 23	13 46	4 13	17 51	18 11	16 10			n.a.
T 14	8 27	5 15	2 37	16 37	2 13	20 0	1 53	22 50	3 49	5 45	1 48	9 7	2 20	24 13	0 29	23 53	0 23	13 46	4 13	17 52	18 12	16 12			n.a.
W15	8 5	0n25	3 31	15 58	2 10	19 58	1 46	22 50	3 46	5 48	1 48	9 6	2 20	24 12	0 29	23 53	0 23	13 46	4 13	17 53	18 13	16 15			n.a.
T 16	7 42	5 58	4 14	15 17	2 7	19 56	1 39	22 51	3 43	5 51	1 48	9 5	2 20	24 12	0 29	23 53	0 23	13 46	4 13	17 54	18 14	16 18			n.a.
F 17	7 20	11 16	4 46	14 34	2 2	19 52	1 32	22 51	3 40	5 54	1 48	9 4	2 20	24 12	0 29	23 53	0 23	13 46	4 13	17 56	18 15	16 20			n.a.
S 18	6 57	16 6	5 5	13 50	1 57	19 49	1 25	22 50	3 38	5 57	1 48	9 3	2 20	24 12	0 29	23 53	0 23	13 45	4 13	17 57	18 16	16 23			n.a.
S 19	6 35	20 19	5 11	13 4	1 52	19 45	1 18	22 50	3 35	6 0	1 48	9 2	2 21	24 12	0 29	23 53	0 23	13 45	4 13	17 59	18 16	16 25			n.a.
M20	6 12	23 43	5 4	12 16	1 46	19 40	1 11	22 49	3 32	6 3	1 48	9 1	2 21	24 12	0 29	23 53	0 23	13 45	4 13	18 0	18 17	16 28			n.a.
T 21	5 49	26 8	4 43	11 26	1 40	19 35	1 5	22 48	3 29	6 6	1 48	9 0	2 21	24 12	0 29	23 53	0 23	13 45	4 13	18 0	18 18	16 31			n.a.
W22	5 26	27 23	4 10	10 34	1 33	19 29	0 58	22 47	3 26	6 9	1 48	8 59	2 21	24 12	0 29	23 53	0 23	13 45	4 13	18 0	18 19	16 33			n.a.
T 23	5 3	27 18	3 25	9 41	1 25	19 23	0 52	22 46	3 23	6 13	1 48	8 58	2 21	24 12	0 29	23 53	0 23	13 45	4 13	18 0	18 20	16 36			n.a.
F 24	4 40	25 48	2 28	8 46	1 18	19 16	0 45	22 44	3 20	6 16	1 48	8 57	2 21	24 12	0 30	23 53	0 23	13 45	4 13	18 0	18 21	16 38			n.a.
S 25	4 17	22 54	1 23	7 50	1 9	19 9	0 39	22 42	3 17	6 19	1 48	8 56	2 21	24 12	0 30	23 53	0 23	13 44	4 13	17 59	18 22	16 41			n.a.
S 26	3 54	18 40	0 10	6 53	1 0	19 1	0 33	22 40	3 14	6 22	1 48	8 55	2 21	24 12	0 30	23 53	0 23	13 44	4 13	17 59	18 22	16 43			n.a.
M27	3 31	13 19	1s 5	5 54	0 51	18 52	0 27	22 38	3 11	6 25	1 48	8 54	2 21	24 12	0 30	23 53	0 23	13 44	4 13	17 59	18 23	16 46			n.a.
T 28	3 8	7 6	2 18	4 54	0 41	18 43	0 21	22 36	3 8	6 28	1 48	8 52	2 22	24 12	0 30	23 53	0 23	13 44	4 13	18 0	18 24	16 48			n.a.
W29	2 45	0 22	3 24	3 54	0 32	18 33	0 16	22 33	3 6	6 31	1 48	8 51	2 22	24 12	0 30	23 53	0 23	13 44	4 13	18 1	18 25	16 51			n.a.
T 30	2 22	6s28	4 16	2 52	0 21	18 23	0 10	22 30	3 3	6 33	1 47	8 50	2 22	24 12	0 30	23 54	0 23	13 43	4 13	18 3	18 26	16 54			n.a.
F 31	1s58	12s59	4s52	1s50	0s11	18s13	0n 5	22n27	3n 0	6n36	1n47	8s49	2n22	24s12	0s30	23n54	0n23	13s43	4n13	18s 5	18s27	16n56			n.a.

Julian Day Number = 1102018.5, Delta T = 11h01m45s
Ecliptic obliquity = 23°53'38, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'55, Lahiri = -27°20'54 Julian Calendar 1 March 1696 BCE == Greg. Calendar 15 Feb. 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

APRIL 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 38 33	26♓ 5'18	6♏23	28♓ 4	10♒14	4♌19	17°R32	28°R 5	7♑10	9°R58	18°R54	9°R54	8♒35	1♉28	n.a.	S 1
S 2	11 42 30	27° 2'54	21°10	0♈14	11°15	4°21	17♍25	28♎ 2	7°11	9♋58	18♏53	9♒48	8°32	1°35	n.a.	S 2
M 3	11 46 27	28° 0'30	5♐39	2°24	12°15	4°24	17°17	27°59	7°12	9°58	18°53	9°44	8°29	1°42	n.a.	M 3
T 4	11 50 23	28°58'04	19°47	4°34	13°17	4°27	17°10	27°55	7°13	9°58	18°52	9°42	8°26	1°48	n.a.	T 4
W 5	11 54 20	29°55'37	3♑31	6°43	14°18	4°32	17° 3	27°51	7°14	9°D58	18°51	9°D42	8°22	1°55	n.a.	W 5
T 6	11 58 16	0♈53'09	16°53	8°51	15°20	4°37	16°55	27°48	7°15	9°58	18°50	9°42	8°19	2° 2	n.a.	T 6
F 7	12 2 13	1°50'40	29°55	10°57	16°22	4°42	16°48	27°44	7°16	9°58	18°49	9°43	8°16	2° 8	n.a.	F 7
S 8	12 6 9	2°48'10	12♒41	13° 2	17°24	4°49	16°41	27°40	7°17	9°58	18°48	9°R44	8°13	2°15	n.a.	S 8
S 9	12 10 6	3°45'39	25°14	15° 5	18°26	4°56	16°34	27°37	7°18	9°58	18°47	9°43	8°10	2°22	n.a.	S 9
M10	12 14 2	4°43'07	7♓35	17° 7	19°29	5° 4	16°27	27°33	7°19	9°59	18°46	9°39	8° 6	2°29	n.a.	M10
T 11	12 17 59	5°40'33	19°47	19° 5	20°32	5°12	16°20	27°29	7°20	9°59	18°45	9°33	8° 3	2°35	n.a.	T 11
W12	12 21 56	6°37'59	1♈52	21° 2	21°35	5°22	16°13	27°25	7°20	9°59	18°44	9°25	8° 0	2°42	n.a.	W12
T 13	12 25 52	7°35'23	13°52	22°56	22°39	5°31	16° 7	27°21	7°21	9°59	18°43	9°15	7°57	2°49	n.a.	T 13
F 14	12 29 49	8°32'46	25°47	24°47	23°42	5°42	16° 0	27°17	7°22	9°59	18°42	9° 4	7°54	2°56	n.a.	F 14
S 15	12 33 45	9°30'08	7♉39	26°36	24°46	5°53	15°54	27°13	7°22	10° 0	18°41	8°53	7°51	3° 2	n.a.	S 15
S 16	12 37 42	10°27'29	19°31	28°22	25°50	6° 5	15°47	27° 9	7°23	10° 0	18°40	8°42	7°47	3° 9	n.a.	S 16
M17	12 41 38	11°24'49	1♊24	0♉ 6	26°54	6°17	15°41	27° 5	7°23	10° 0	18°39	8°34	7°44	3°16	n.a.	M17
T 18	12 45 35	12°22'08	13°21	1°46	27°59	6°30	15°35	27° 1	7°24	10° 1	18°38	8°28	7°41	3°22	n.a.	T 18
W19	12 49 31	13°19'25	25°27	3°24	29° 3	6°43	15°29	26°57	7°24	10° 1	18°37	8°24	7°38	3°29	n.a.	W19
T 20	12 53 28	14°16'41	7♋45	4°58	0♓ 8	6°58	15°23	26°52	7°24	10° 2	18°35	8°22	7°35	3°36	n.a.	T 20
F 21	12 57 25	15°13'56	20°21	6°30	1°13	7°12	15°17	26°48	7°25	10° 2	18°34	8°D22	7°32	3°43	n.a.	F 21
S 22	13 1 21	16°11'10	3♌18	7°59	2°18	7°27	15°11	26°44	7°25	10° 3	18°33	8°R23	7°28	3°49	n.a.	S 22
S 23	13 5 18	17° 8'23	16°42	9°24	3°24	7°43	15° 6	26°40	7°25	10° 3	18°32	8°22	7°25	3°56	n.a.	S 23
M24	13 9 14	18° 5'34	0♍34	10°47	4°29	7°59	15° 0	26°35	7°25	10° 4	18°31	8°21	7°22	4° 3	n.a.	M24
T 25	13 13 11	19° 2'44	14°55	12° 7	5°35	8°16	14°55	26°31	7°26	10° 4	18°29	8°17	7°19	4°10	n.a.	T 25
W26	13 17 7	19°59'54	29°42	13°23	6°41	8°34	14°50	26°27	7°26	10° 5	18°28	8°10	7°16	4°16	n.a.	W26
T 27	13 21 4	20°57'03	14♎49	14°36	7°46	8°51	14°45	26°22	7°R26	10° 6	18°27	8° 1	7°12	4°23	n.a.	T 27
F 28	13 25 0	21°54'11	0♏ 6	15°47	8°53	9°10	14°40	26°18	7°26	10° 7	18°25	7°51	7° 9	4°30	n.a.	F 28
S 29	13 28 57	22°51'18	15°23	16°53	9°59	9°28	14°35	26°14	7°25	10° 7	18°24	7°41	7° 6	4°36	n.a.	S 29
S 30	13 32 54	23♈48'25	0♐27	17♉57	11♓ 5	9♌48	14♍31	26♎ 9	7♑25	10♋ 8	18♏23	7♒33	7♒ 3	4♉43	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	1s35	18s43	5s 7	0s48	0s 0	18s 1	0s 1	22n24	2n57	6n39	1n47	8s47	2n22	24s11	0s30	23n54	0n23	13s43	4n13	18s 6	18s28	16n59		n.a.	
S 2	1 12	23 14	5 2	0n15	0n10	17 50	0 6	22 21	2 54	6 42	1 47	8 46	2 22	24 11	0 30	23 54	0 23	13 43	4 13	18 8	18 28	17 1		n.a.	
M 3	0 48	26 12	4 37	1 18	0 21	17 37	0 11	22 17	2 51	6 45	1 47	8 45	2 22	24 11	0 30	23 54	0 23	13 43	4 13	18 9	18 29	17 4		n.a.	
T 4	0 25	27 25	3 56	2 20	0 31	17 25	0 16	22 14	2 48	6 48	1 47	8 43	2 22	24 11	0 30	23 54	0 23	13 42	4 13	18 9	18 30	17 6		n.a.	
W 5	0 2	26 53	3 2	3 21	0 42	17 11	0 21	22 10	2 45	6 51	1 47	8 42	2 22	24 11	0 30	23 54	0 23	13 42	4 13	18 10	18 31	17 9		n.a.	
T 6	0n22	24 47	2 0	4 22	0 52	16 58	0 26	22 6	2 42	6 53	1 47	8 41	2 22	24 11	0 30	23 54	0 23	13 42	4 13	18 9	18 32	17 11		n.a.	
F 7	0 45	21 24	0 53	5 22	1 2	16 43	0 31	22 2	2 40	6 56	1 47	8 39	2 22	24 11	0 30	23 54	0 23	13 42	4 13	18 9	18 33	17 14		n.a.	
S 8	1 8	17 4	0n16	6 20	1 12	16 28	0 35	21 57	2 37	6 59	1 46	8 38	2 22	24 11	0 30	23 54	0 23	13 41	4 13	18 9	18 33	17 16		n.a.	
S 9	1 31	12 4	1 22	7 17	1 21	16 13	0 40	21 53	2 34	7 2	1 46	8 36	2 23	24 11	0 30	23 54	0 23	13 41	4 13	18 9	18 34	17 19		n.a.	
M10	1 55	6 40	2 23	8 13	1 29	15 57	0 44	21 48	2 31	7 4	1 46	8 35	2 23	24 11	0 30	23 54	0 23	13 41	4 13	18 10	18 35	17 21		n.a.	
T 11	2 18	1 6	3 17	9 7	1 38	15 41	0 49	21 43	2 29	7 7	1 46	8 34	2 23	24 11	0 30	23 54	0 23	13 41	4 13	18 12	18 36	17 24		n.a.	
W12	2 41	4n26	4 1	9 59	1 45	15 24	0 53	21 39	2 26	7 9	1 46	8 32	2 23	24 11	0 30	23 53	0 23	13 40	4 13	18 14	18 37	17 26		n.a.	
T 13	3 4	9 46	4 35	10 49	1 52	15 7	0 57	21 33	2 23	7 12	1 46	8 31	2 23	24 11	0 30	23 53	0 23	13 40	4 13	18 17	18 38	17 29		n.a.	
F 14	3 27	14 43	4 55	11 37	1 58	14 49	1 1	21 28	2 20	7 14	1 46	8 29	2 23	24 11	0 30	23 53	0 23	13 40	4 13	18 20	18 38	17 31		n.a.	
S 15	3 50	19 5	5 3	12 22	2 4	14 31	1 4	21 23	2 18	7 17	1 45	8 28	2 23	24 11	0 30	23 53	0 23	13 40	4 13	18 23	18 39	17 33		n.a.	
S 16	4 13	22 43	4 58	13 6	2 9	14 13	1 8	21 17	2 15	7 19	1 45	8 26	2 23	24 11	0 30	23 53	0 23	13 39	4 13	18 26	18 40	17 36		n.a.	
M17	4 36	25 23	4 40	13 48	2 13	13 54	1 12	21 12	2 13	7 21	1 45	8 25	2 23	24 11	0 30	23 53	0 23	13 39	4 13	18 28	18 41	17 38		n.a.	
T 18	4 59	26 57	4 9	14 27	2 17	13 34	1 15	21 6	2 10	7 24	1 45	8 23	2 23	24 11	0 30	23 53	0 23	13 39	4 13	18 29	18 42	17 41		n.a.	
W19	5 21	27 16	3 28	15 4	2 20	13 14	1 18	21 0	2 7	7 26	1 45	8 22	2 23	24 11	0 30	23 53	0 23	13 38	4 13	18 30	18 43	17 43		n.a.	
T 20	5 44	26 15	2 35	15 39	2 22	12 54	1 22	20 54	2 5	7 28	1 44	8 20	2 23	24 11	0 30	23 53	0 23	13 38	4 13	18 31	18 43	17 46		n.a.	
F 21	6 7	23 52	1 34	16 11	2 23	12 34	1 25	20 47	2 2	7 30	1 44	8 18	2 23	24 11	0 30	23 53	0 23	13 38	4 13	18 31	18 44	17 48		n.a.	
S 22	6 29	20 13	0 27	16 42	2 24	12 13	1 28	20 41	2 0	7 32	1 44	8 17	2 23	24 11	0 30	23 53	0 23	13 38	4 13	18 31	18 45	17 50		n.a.	
S 23	6 51	15 26	0s44	17 10	2 24	11 51	1 31	20 34	1 57	7 34	1 44	8 15	2 23	24 11	0 30	23 53	0 23	13 37	4 13	18 31	18 46	17 53		n.a.	
M24	7 14	9 42	1 55	17 36	2 23	11 29	1 33	20 28	1 55	7 36	1 43	8 14	2 23	24 11	0 30	23 53	0 23	13 37	4 13	18 31	18 47	17 55		n.a.	
T 25	7 36	3 17	3 1	18 0	2 21	11 7	1 36	20 21	1 53	7 38	1 43	8 12	2 23	24 11	0 31	23 53	0 23	13 37	4 13	18 32	18 48	17 58		n.a.	
W26	7 58	3s29	3 57	18 21	2 19	10 45	1 38	20 14	1 50	7 40	1 43	8 11	2 23	24 11	0 31	23 53	0 23	13 36	4 13	18 34	18 48	18 0		n.a.	
T 27	8 20	10 11	4 37	18 41	2 16	10 22	1 41	20 7	1 48	7 41	1 43	8 9	2 23	24 11	0 31	23 53	0 23	13 36	4 13	18 36	18 49	18 3		n.a.	
F 28	8 41	16 22	4 59	18 58	2 12	9 59	1 43	20 0	1 45	7 43	1 42	8 7	2 23	24 11	0 31	23 53	0 23	13 36	4 13	18 39	18 50	18 5		n.a.	
S 29	9 3	21 30	4 59	19 13	2 7	9 35	1 45	19 52	1 43	7 45	1 42	8 6	2 23	24 11	0 31	23 53	0 23	13 35	4 13	18 42	18 51	18 7		n.a.	
S 30	9n25	25s 9	4s38	19n27	2n 1	9s12	1s47	19n45	1n41	7n46	1n42	8s 4	2n23	24s12	0s31	23n53	0n23	13s35	4n13	18s44	18s52	18n10		n.a.	

Julian Day Number = 1102049.5, Delta T = 11h01m43s
Ecliptic obliquity = 23°53'38, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'51, Lahiri = -27°20'50 Julian Calendar 1 Apr. 1696 BCE == Greg. Calendar 18 March 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

MAY 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 36 50	24♈45'32	15♐11	18♉57	12♓12	10♌ 7	14°R26	26°R 5	7°R25	10♋ 9	18°R21	7°R26	7♒ 0	4♉50	n.a.	M 1
T 2	13 40 47	25°42'38	29°29	19°54	13°18	10°27	14♍22	26♎ 0	7♑25	10°10	18♏20	7♒21	6°57	4°57	n.a.	T 2
W 3	13 44 43	26°39'44	13♑19	20°47	14°25	10°48	14°18	25°56	7°25	10°11	18°19	7°19	6°53	5° 3	n.a.	W 3
T 4	13 48 40	27°36'50	26°42	21°36	15°32	11° 9	14°14	25°52	7°24	10°11	18°17	7°D19	6°50	5°10	n.a.	T 4
F 5	13 52 36	28°33'56	9♒41	22°22	16°39	11°30	14°10	25°47	7°24	10°12	18°16	7°R19	6°47	5°17	n.a.	F 5
S 6	13 56 33	29°31'01	22°20	23° 4	17°47	11°52	14° 7	25°43	7°24	10°13	18°15	7°18	6°44	5°23	n.a.	S 6
S 7	14 0 30	0♉28'07	4♓43	23°42	18°54	12°15	14° 3	25°38	7°23	10°14	18°13	7°16	6°41	5°30	n.a.	S 7
M 8	14 4 26	1°25'12	16°55	24°15	20° 1	12°37	14° 0	25°34	7°23	10°15	18°12	7°11	6°37	5°37	n.a.	M 8
T 9	14 8 23	2°22'17	28°57	24°45	21° 9	13° 0	13°57	25°30	7°22	10°16	18°10	7° 3	6°34	5°44	n.a.	T 9
W10	14 12 19	3°19'22	10♈55	25°10	22°17	13°24	13°54	25°25	7°21	10°17	18° 9	6°53	6°31	5°50	n.a.	W10
T 11	14 16 16	4°16'26	22°48	25°31	23°25	13°48	13°51	25°21	7°21	10°19	18° 7	6°40	6°28	5°57	n.a.	T 11
F 12	14 20 12	5°13'31	4♉41	25°48	24°33	14°12	13°49	25°17	7°20	10°20	18° 6	6°27	6°25	6° 4	n.a.	F 12
S 13	14 24 9	6°10'36	16°33	26° 0	25°41	14°36	13°46	25°13	7°19	10°21	18° 4	6°13	6°22	6°11	n.a.	S 13
S 14	14 28 5	7° 7'40	28°26	26° 7	26°49	15° 1	13°44	25° 8	7°19	10°22	18° 3	6° 0	6°18	6°17	n.a.	S 14
M15	14 32 2	8° 4'44	10♊22	26°R10	27°57	15°27	13°42	25° 4	7°18	10°23	18° 1	5°49	6°15	6°24	n.a.	M15
T 16	14 35 59	9° 1'48	22°23	26° 8	29° 5	15°52	13°40	25° 0	7°17	10°25	18° 0	5°41	6°12	6°31	n.a.	T 16
W17	14 39 55	9°58'52	4♋32	26° 2	0♈14	16°18	13°39	24°56	7°16	10°26	17°58	5°35	6° 9	6°37	n.a.	W17
T 18	14 43 52	10°55'56	16°52	25°51	1°22	16°45	13°37	24°52	7°15	10°27	17°57	5°32	6° 6	6°44	n.a.	T 18
F 19	14 47 48	11°52'59	29°27	25°36	2°31	17°12	13°36	24°47	7°14	10°28	17°55	5°32	6° 3	6°51	n.a.	F 19
S 20	14 51 45	12°50'02	12♌22	25°17	3°40	17°39	13°35	24°43	7°13	10°30	17°54	5°32	5°59	6°58	n.a.	S 20
S 21	14 55 41	13°47'05	25°40	24°54	4°49	18° 6	13°34	24°39	7°12	10°31	17°52	5°31	5°56	7° 4	n.a.	S 21
M22	14 59 38	14°44'08	9♍24	24°27	5°57	18°33	13°33	24°35	7°11	10°33	17°51	5°29	5°53	7°11	n.a.	M22
T 23	15 3 35	15°41'10	23°37	23°57	7° 6	19° 1	13°32	24°31	7° 9	10°34	17°49	5°26	5°50	7°18	n.a.	T 23
W24	15 7 31	16°38'13	8♎17	23°25	8°16	19°30	13°32	24°28	7° 8	10°35	17°48	5°19	5°47	7°25	n.a.	W24
T 25	15 11 28	17°35'15	23°18	22°50	9°25	19°58	13°32	24°24	7° 7	10°37	17°46	5°10	5°43	7°31	n.a.	T 25
F 26	15 15 24	18°32'18	8♏34	22°13	10°34	20°27	13°D32	24°20	7° 6	10°38	17°45	5° 1	5°40	7°38	n.a.	F 26
S 27	15 19 21	19°29'21	23°52	21°36	11°43	20°56	13°32	24°16	7° 4	10°40	17°43	4°50	5°37	7°45	n.a.	S 27
S 28	15 23 17	20°26'24	9♐ 2	20°58	12°53	21°25	13°32	24°12	7° 3	10°41	17°42	4°41	5°34	7°51	n.a.	S 28
M29	15 27 14	21°23'28	23°54	20°20	14° 2	21°55	13°33	24° 9	7° 2	10°43	17°40	4°34	5°31	7°58	n.a.	M29
T 30	15 31 11	22°20'33	8♑21	19°43	15°12	22°25	13°33	24° 5	7° 0	10°45	17°39	4°29	5°28	8° 5	n.a.	T 30
W31	15 35 7	23♉17'38	22♑19	19♉ 7	16♈22	22♌55	13♍34	24♎ 2	6♑59	10♋46	17♏37	4♒27	5♒24	8♉12	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	9n46	27s 0	3s59	19n38	1n55	8s48	1s49	19n37	1n38	7n48	1n42	8s 3	2n23	24s12	0s31	23n53	0n23	13s35	4n13	18s46	18s52	18n12			n.a.
T 2	10 7	26 59	3 6	19 47	1 48	8 23	1 51	19 29	1 36	7 49	1 41	8 1	2 23	24 12	0 31	23 53	0 23	13 34	4 13	18 47	18 53	18 14			n.a.
W 3	10 28	25 15	2 3	19 54	1 40	7 59	1 53	19 22	1 34	7 51	1 41	8 0	2 23	24 12	0 31	23 53	0 23	13 34	4 12	18 47	18 54	18 17			n.a.
T 4	10 49	22 8	0 56	19 59	1 32	7 34	1 55	19 14	1 32	7 52	1 41	7 58	2 23	24 12	0 31	23 53	0 23	13 34	4 12	18 48	18 55	18 19			n.a.
F 5	11 10	17 58	0n13	20 2	1 23	7 9	1 56	19 5	1 30	7 53	1 41	7 57	2 22	24 12	0 31	23 52	0 23	13 33	4 12	18 48	18 56	18 22			n.a.
S 6	11 31	13 6	1 19	20 3	1 13	6 43	1 58	18 57	1 27	7 54	1 40	7 55	2 22	24 12	0 31	23 52	0 23	13 33	4 12	18 48	18 57	18 24			n.a.
S 7	11 51	7 48	2 19	20 3	1 2	6 17	1 59	18 49	1 25	7 55	1 40	7 53	2 22	24 12	0 31	23 52	0 23	13 33	4 12	18 48	18 57	18 26			n.a.
M 8	12 11	2 19	3 13	20 0	0 50	5 52	2 0	18 40	1 23	7 56	1 40	7 52	2 22	24 12	0 31	23 52	0 23	13 32	4 12	18 50	18 58	18 29			n.a.
T 9	12 31	3n11	3 57	19 56	0 38	5 25	2 1	18 31	1 21	7 57	1 39	7 50	2 22	24 12	0 31	23 52	0 23	13 32	4 12	18 52	18 59	18 31			n.a.
W10	12 51	8 31	4 30	19 50	0 25	4 59	2 2	18 23	1 19	7 58	1 39	7 49	2 22	24 12	0 31	23 52	0 23	13 32	4 12	18 54	19 0	18 33			n.a.
T 11	13 11	13 31	4 51	19 42	0 12	4 33	2 3	18 14	1 17	7 59	1 39	7 47	2 22	24 12	0 31	23 52	0 23	13 31	4 12	18 57	19 1	18 36			n.a.
F 12	13 31	18 0	4 59	19 32	0s 2	4 6	2 4	18 4	1 15	8 0	1 39	7 46	2 22	24 12	0 31	23 52	0 23	13 31	4 12	19 1	19 1	18 38			n.a.
S 13	13 50	21 47	4 55	19 21	0 16	3 39	2 5	17 55	1 13	8 0	1 38	7 44	2 22	24 12	0 31	23 52	0 23	13 31	4 12	19 4	19 2	18 40			n.a.
S 14	14 9	24 41	4 37	19 8	0 31	3 12	2 5	17 46	1 11	8 1	1 38	7 43	2 22	24 12	0 31	23 52	0 23	13 30	4 12	19 8	19 3	18 43			n.a.
M15	14 28	26 30	4 7	18 54	0 47	2 45	2 6	17 36	1 9	8 1	1 38	7 41	2 22	24 12	0 31	23 52	0 23	13 30	4 12	19 10	19 4	18 45			n.a.
T 16	14 47	27 6	3 27	18 39	1 2	2 17	2 6	17 27	1 7	8 2	1 37	7 40	2 22	24 12	0 31	23 51	0 23	13 30	4 12	19 13	19 5	18 47			n.a.
W17	15 5	26 25	2 36	18 22	1 18	1 50	2 6	17 17	1 5	8 2	1 37	7 38	2 21	24 13	0 31	23 51	0 23	13 29	4 12	19 14	19 5	18 49			n.a.
T 18	15 23	24 25	1 37	18 3	1 34	1 22	2 7	17 7	1 3	8 3	1 37	7 37	2 21	24 13	0 31	23 51	0 23	13 29	4 11	19 15	19 6	18 52			n.a.
F 19	15 41	21 11	0 32	17 44	1 50	0 55	2 7	16 57	1 1	8 3	1 36	7 36	2 21	24 13	0 31	23 51	0 23	13 29	4 11	19 15	19 7	18 54			n.a.
S 20	15 59	16 50	0s36	17 24	2 6	0 27	2 7	16 47	0 59	8 3	1 36	7 34	2 21	24 13	0 31	23 51	0 23	13 28	4 11	19 15	19 8	18 56			n.a.
S 21	16 17	11 34	1 44	17 3	2 22	0n 1	2 7	16 36	0 58	8 3	1 36	7 33	2 21	24 13	0 31	23 51	0 23	13 28	4 11	19 15	19 9	18 59			n.a.
M22	16 34	5 35	2 49	16 42	2 37	0 29	2 7	16 26	0 56	8 3	1 35	7 32	2 21	24 13	0 31	23 51	0 23	13 28	4 11	19 15	19 9	19 1			n.a.
T 23	16 51	0s51	3 45	16 20	2 52	0 57	2 6	16 15	0 54	8 3	1 35	7 30	2 21	24 13	0 31	23 51	0 23	13 27	4 11	19 16	19 10	19 3			n.a.
W24	17 8	7 26	4 28	15 58	3 6	1 25	2 6	16 5	0 52	8 3	1 35	7 29	2 20	24 13	0 31	23 51	0 23	13 27	4 11	19 18	19 11	19 5			n.a.
T 25	17 24	13 46	4 55	15 37	3 20	1 53	2 5	15 54	0 50	8 3	1 34	7 28	2 20	24 13	0 31	23 51	0 23	13 27	4 11	19 20	19 12	19 8			n.a.
F 26	17 40	19 21	5 0	15 16	3 32	2 21	2 5	15 43	0 49	8 2	1 34	7 26	2 20	24 13	0 31	23 50	0 23	13 26	4 11	19 23	19 13	19 10			n.a.
S 27	17 56	23 41	4 45	14 55	3 43	2 49	2 4	15 32	0 47	8 2	1 34	7 25	2 20	24 13	0 32	23 50	0 23	13 26	4 11	19 25	19 13	19 12			n.a.
S 28	18 12	26 19	4 9	14 36	3 53	3 17	2 4	15 20	0 45	8 2	1 33	7 24	2 20	24 14	0 32	23 50	0 23	13 26	4 10	19 27	19 14	19 14			n.a.
M29	18 27	27 2	3 17	14 17	4 2	3 45	2 3	15 9	0 43	8 1	1 33	7 23	2 20	24 14	0 32	23 50	0 23	13 25	4 10	19 29	19 15	19 17			n.a.
T 30	18 42	25 51	2 14	14 0	4 9	4 14	2 2	14 57	0 42	8 1	1 33	7 21	2 20	24 14	0 32	23 50	0 23	13 25	4 10	19 30	19 16	19 19			n.a.
W31	18n57	23s 3	1s 4	13n45	4s14	4n42	2s 1	14n46	0n40	8n 0	1n33	7s20	2n19	24s14	0s32	23n50	0n23	13s25	4n10	19s31	19s17	19n21			n.a.

Julian Day Number = 1102079.5, Delta T = 11h01m41s
Ecliptic obliquity = 23°53'37, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'47, Lahiri = -27°20'46 Julian Calendar 1 May 1696 BCE == Greg. Calendar 17 Apr. 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

JUNE 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 39 4	24♉14'44	5♒47	18°R34	17♈32	23♌26	13♍35	23°R58	6°R57	10♋48	17°R36	4°D27	5♒21	8♉18	n.a.	T 1
F 2	15 43 0	25°11'51	18°50	18♉ 3	18°42	23°56	13°36	23♎55	6♏56	10°50	17♏34	4♒27	5°18	8°25	n.a.	F 2
S 3	15 46 57	26° 8'58	1♓29	17°36	19°52	24°27	13°38	23°51	6°54	10°51	17°33	4°R27	5°15	8°32	n.a.	S 3
S 4	15 50 53	27° 6'07	13°51	17°12	21° 2	24°58	13°39	23°48	6°52	10°53	17°31	4°26	5°12	8°39	n.a.	S 4
M 5	15 54 50	28° 3'16	25°59	16°53	22°12	25°30	13°41	23°45	6°51	10°55	17°30	4°22	5° 9	8°45	n.a.	M 5
T 6	15 58 46	29° 0'26	7♈58	16°39	23°22	26° 1	13°43	23°42	6°49	10°56	17°28	4°16	5° 5	8°52	n.a.	T 6
W 7	16 2 43	29°57'37	19°51	16°29	24°32	26°33	13°45	23°38	6°47	10°58	17°27	4° 8	5° 2	8°59	n.a.	W 7
T 8	16 6 40	0♊54'48	1♉43	16°D25	25°43	27° 5	13°47	23°35	6°45	11° 0	17°25	3°58	4°59	9° 5	n.a.	T 8
F 9	16 10 36	1°52'01	13°35	16°26	26°53	27°38	13°50	23°32	6°44	11° 2	17°24	3°46	4°56	9°12	n.a.	F 9
S 10	16 14 33	2°49'15	25°29	16°33	28° 4	28°10	13°52	23°29	6°42	11° 4	17°22	3°35	4°53	9°19	n.a.	S 10
S 11	16 18 29	3°46'29	7♊27	16°45	29°14	28°43	13°55	23°27	6°40	11° 5	17°21	3°24	4°49	9°26	n.a.	S 11
M12	16 22 26	4°43'45	19°30	17° 4	0♉25	29°16	13°58	23°24	6°38	11° 7	17°20	3°15	4°46	9°32	n.a.	M12
T 13	16 26 22	5°41'01	1♋40	17°28	1°36	29°50	14° 1	23°21	6°36	11° 9	17°18	3° 9	4°43	9°39	n.a.	T 13
W14	16 30 19	6°38'18	13°58	17°58	2°46	0♍23	14° 5	23°19	6°34	11°11	17°17	3° 4	4°40	9°46	n.a.	W14
T 15	16 34 16	7°35'36	26°27	18°35	3°57	0°57	14° 8	23°16	6°32	11°13	17°15	3° 3	4°37	9°53	n.a.	T 15
F 16	16 38 12	8°32'54	9♌10	19°17	5° 8	1°31	14°12	23°14	6°30	11°15	17°14	3°D 3	4°34	9°59	n.a.	F 16
S 17	16 42 9	9°30'13	22° 8	20° 5	6°19	2° 5	14°16	23°11	6°28	11°17	17°13	3° 3	4°30	10° 6	n.a.	S 17
S 18	16 46 5	10°27'33	5♍26	20°58	7°30	2°39	14°20	23° 9	6°26	11°19	17°11	3°R 4	4°27	10°13	n.a.	S 18
M19	16 50 2	11°24'54	19° 5	21°58	8°42	3°14	14°24	23° 7	6°24	11°21	17°10	3° 4	4°24	10°19	n.a.	M19
T 20	16 53 58	12°22'15	3♎ 8	23° 2	9°53	3°48	14°28	23° 5	6°22	11°23	17° 8	3° 2	4°21	10°26	n.a.	T 20
W21	16 57 55	13°19'38	17°34	24°13	11° 4	4°23	14°32	23° 3	6°20	11°25	17° 7	2°58	4°18	10°33	n.a.	W21
T 22	17 1 51	14°17'01	2♏20	25°28	12°15	4°58	14°37	23° 1	6°18	11°27	17° 6	2°53	4°15	10°40	n.a.	T 22
F 23	17 5 48	15°14'25	17°19	26°49	13°27	5°34	14°42	22°59	6°15	11°29	17° 5	2°46	4°11	10°46	n.a.	F 23
S 24	17 9 45	16°11'50	2♐23	28°15	14°38	6° 9	14°47	22°57	6°13	11°31	17° 3	2°39	4° 8	10°53	n.a.	S 24
S 25	17 13 41	17° 9'17	17°24	29°45	15°50	6°45	14°52	22°55	6°11	11°33	17° 2	2°33	4° 5	11° 0	n.a.	S 25
M26	17 17 38	18° 6'45	2♑11	1♊20	17° 1	7°20	14°57	22°54	6° 9	11°35	17° 1	2°28	4° 2	11° 6	n.a.	M26
T 27	17 21 34	19° 4'14	16°36	2°59	18°13	7°56	15° 3	22°52	6° 7	11°37	17° 0	2°25	3°59	11°13	n.a.	T 27
W28	17 25 31	20° 1'45	0♒37	4°41	19°25	8°32	15° 8	22°51	6° 4	11°39	16°58	2°D24	3°55	11°20	n.a.	W28
T 29	17 29 27	20°59'17	14°10	6°28	20°37	9° 9	15°14	22°50	6° 2	11°41	16°57	2°25	3°52	11°27	n.a.	T 29
F 30	17 33 24	21♊56'51	27♒17	8♊17	21♉49	9♍45	15♍20	22♎48	6♏ 0	11♋43	16♏56	2♒26	3♒49	11♉33	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n11	19s 4	0n 7	13n32	4s19	5n10	2s 0	14n34	0n38	7n59	1n32	7s19	2n19	24s14	0s32	23n50	0n23	13s24	4n10	19s31	19s17	19n23		n.a.
F 2	19 26	14 16	1 16	13 21	4 21	5 38	1 59	14 22	0 37	7 58	1 32	7 18	2 19	24 14	0 32	23 49	0 23	13 24	4 10	19 31	19 18	19 25		n.a.
S 3	19 39	9 0	2 18	13 13	4 22	6 6	1 58	14 10	0 35	7 58	1 32	7 17	2 19	24 14	0 32	23 49	0 23	13 24	4 10	19 31	19 19	19 28		n.a.
S 4	19 53	3 30	3 13	13 7	4 22	6 34	1 56	13 58	0 33	7 57	1 31	7 16	2 19	24 14	0 32	23 49	0 23	13 23	4 10	19 31	19 20	19 30		n.a.
M 5	20 6	2n 0	3 58	13 3	4 20	7 2	1 55	13 46	0 32	7 56	1 31	7 15	2 18	24 14	0 32	23 49	0 23	13 23	4 10	19 32	19 21	19 32		n.a.
T 6	20 19	7 22	4 32	13 2	4 16	7 29	1 54	13 33	0 30	7 55	1 31	7 14	2 18	24 15	0 32	23 49	0 23	13 23	4 9	19 33	19 21	19 34		n.a.
W 7	20 32	12 25	4 54	13 4	4 12	7 57	1 52	13 21	0 29	7 54	1 30	7 13	2 18	24 15	0 32	23 49	0 23	13 23	4 9	19 35	19 22	19 36		n.a.
T 8	20 44	17 0	5 3	13 8	4 6	8 24	1 51	13 8	0 27	7 52	1 30	7 12	2 18	24 15	0 32	23 49	0 23	13 22	4 9	19 38	19 23	19 39		n.a.
F 9	20 56	20 57	4 58	13 15	3 59	8 52	1 49	12 55	0 26	7 51	1 30	7 11	2 18	24 15	0 32	23 48	0 23	13 22	4 9	19 41	19 24	19 41		n.a.
S 10	21 7	24 2	4 41	13 25	3 50	9 19	1 47	12 42	0 24	7 50	1 29	7 10	2 17	24 15	0 32	23 48	0 23	13 22	4 9	19 43	19 24	19 43		n.a.
S 11	21 18	26 6	4 12	13 38	3 41	9 46	1 46	12 29	0 23	7 48	1 29	7 9	2 17	24 15	0 32	23 48	0 23	13 22	4 9	19 46	19 25	19 45		n.a.
M12	21 29	26 58	3 31	13 53	3 31	10 13	1 44	12 16	0 21	7 47	1 29	7 8	2 17	24 15	0 32	23 48	0 23	13 21	4 9	19 48	19 26	19 47		n.a.
T 13	21 40	26 33	2 40	14 10	3 20	10 40	1 42	12 3	0 20	7 45	1 28	7 8	2 17	24 15	0 32	23 48	0 23	13 21	4 8	19 49	19 27	19 49		n.a.
W14	21 50	24 48	1 40	14 30	3 9	11 6	1 40	11 50	0 18	7 44	1 28	7 7	2 17	24 16	0 32	23 48	0 23	13 21	4 8	19 50	19 28	19 52		n.a.
T 15	21 59	21 50	0 35	14 51	2 56	11 32	1 38	11 36	0 17	7 42	1 28	7 6	2 16	24 16	0 32	23 48	0 23	13 20	4 8	19 51	19 28	19 54		n.a.
F 16	22 9	17 47	0s33	15 15	2 44	11 58	1 36	11 22	0 15	7 40	1 27	7 5	2 16	24 16	0 32	23 47	0 23	13 20	4 8	19 51	19 29	19 56		n.a.
S 17	22 18	12 49	1 41	15 41	2 30	12 24	1 34	11 9	0 14	7 39	1 27	7 5	2 16	24 16	0 32	23 47	0 23	13 20	4 8	19 51	19 30	19 58		n.a.
S 18	22 26	7 9	2 45	16 8	2 17	12 50	1 32	10 55	0 12	7 37	1 27	7 4	2 16	24 16	0 32	23 47	0 23	13 20	4 8	19 51	19 31	20 0		n.a.
M19	22 35	1 1	3 42	16 37	2 3	13 15	1 30	10 41	0 11	7 35	1 27	7 3	2 16	24 16	0 32	23 47	0 23	13 20	4 7	19 51	19 31	20 2		n.a.
T 20	22 42	5s20	4 27	17 8	1 49	13 40	1 28	10 27	0 10	7 33	1 26	7 3	2 15	24 16	0 32	23 47	0 23	13 19	4 7	19 51	19 32	20 4		n.a.
W21	22 50	11 34	4 56	17 39	1 35	14 5	1 25	10 13	0 8	7 31	1 26	7 2	2 15	24 16	0 32	23 47	0 23	13 19	4 7	19 52	19 33	20 6		n.a.
T 22	22 57	17 18	5 7	18 11	1 21	14 29	1 23	9 58	0 7	7 29	1 26	7 2	2 15	24 16	0 32	23 46	0 23	13 19	4 7	19 53	19 34	20 9		n.a.
F 23	23 3	22 4	4 58	18 44	1 7	14 54	1 21	9 44	0 5	7 27	1 25	7 1	2 15	24 17	0 32	23 46	0 23	13 19	4 7	19 55	19 35	20 11		n.a.
S 24	23 10	25 24	4 27	19 17	0 53	15 17	1 18	9 29	0 4	7 24	1 25	7 1	2 14	24 17	0 32	23 46	0 23	13 18	4 7	19 56	19 35	20 13		n.a.
S 25	23 16	26 55	3 39	19 51	0 39	15 41	1 16	9 15	0 3	7 22	1 25	7 0	2 14	24 17	0 32	23 46	0 23	13 18	4 6	19 58	19 36	20 15		n.a.
M26	23 21	26 28	2 36	20 24	0 26	16 4	1 13	9 0	0 1	7 20	1 24	7 0	2 14	24 17	0 32	23 46	0 23	13 18	4 6	19 59	19 37	20 17		n.a.
T 27	23 26	24 14	1 24	20 57	0 13	16 27	1 11	8 45	0 0	7 17	1 24	7 0	2 14	24 17	0 32	23 46	0 23	13 18	4 6	20 0	19 38	20 19		n.a.
W28	23 31	20 33	0 10	21 29	0 0	16 49	1 8	8 30	0s 1	7 15	1 24	6 59	2 13	24 17	0 32	23 45	0 23	13 18	4 6	20 0	19 38	20 21		n.a.
T 29	23 35	15 53	1n 3	22 0	0n12	17 11	1 6	8 15	0 2	7 12	1 24	6 59	2 13	24 17	0 32	23 45	0 23	13 18	4 6	20 0	19 39	20 23		n.a.
F 30	23n39	10s36	2n11	22n29	0n24	17n33	1s 3	8n 0	0s 4	7n10	1n23	6s59	2n13	24s17	0s32	23n45	0n23	13s17	4n 6	19s59	19s40	20n25		n.a.

Julian Day Number = 1102110.5, Delta T = 11h01m39s
Ecliptic obliquity = 23°53'36, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'42, Lahiri = -27°20'42 Julian Calendar 1 June 1696 BCE == Greg. Calendar 18 May 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

JULY 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 37 21	22♊54'26	10♓ 1	10♊ 9	23♉ 1	10♍22	15♍26	22°R47	5°R57	11♋45	16°R55	2♒27	3♒46	11♉40	n.a.	S 1
S 2	17 41 17	23°52'03	22°25	12° 4	24°13	10°59	15°32	22♎46	5♑55	11°48	16♏54	2°R28	3°43	11°47	n.a.	S 2
M 3	17 45 14	24°49'42	4♈34	14° 0	25°25	11°36	15°38	22°45	5°53	11°50	16°52	2°28	3°40	11°54	n.a.	M 3
T 4	17 49 10	25°47'23	16°34	15°59	26°37	12°13	15°45	22°44	5°50	11°52	16°51	2°26	3°36	12° 0	n.a.	T 4
W 5	17 53 7	26°45'05	28°27	17°58	27°49	12°50	15°51	22°43	5°48	11°54	16°50	2°22	3°33	12° 7	n.a.	W 5
T 6	17 57 3	27°42'49	10♉19	19°59	29° 1	13°28	15°58	22°43	5°46	11°56	16°49	2°17	3°30	12°14	n.a.	T 6
F 7	18 1 0	28°40'35	22°12	22° 0	0♊14	14° 5	16° 5	22°42	5°43	11°58	16°48	2°11	3°27	12°20	n.a.	F 7
S 8	18 4 56	29°38'23	4♊11	24° 1	1°26	14°43	16°12	22°42	5°41	12° 1	16°47	2° 5	3°24	12°27	n.a.	S 8
S 9	18 8 53	0♋36'13	16°16	26° 2	2°39	15°21	16°19	22°41	5°39	12° 3	16°46	2° 0	3°21	12°34	n.a.	S 9
M10	18 12 50	1°34'04	28°29	28° 3	3°51	15°59	16°26	22°41	5°36	12° 5	16°45	1°55	3°17	12°41	n.a.	M10
T 11	18 16 46	2°31'57	10♋52	0♋ 4	5° 4	16°37	16°34	22°41	5°34	12° 7	16°44	1°52	3°14	12°47	n.a.	T 11
W12	18 20 43	3°29'52	23°26	2° 4	6°17	17°16	16°41	22°41	5°31	12° 9	16°43	1°51	3°11	12°54	n.a.	W12
T 13	18 24 39	4°27'48	6♌12	4° 3	7°29	17°54	16°49	22°D41	5°29	12°12	16°42	1°D50	3° 8	13° 1	n.a.	T 13
F 14	18 28 36	5°25'46	19°11	6° 1	8°42	18°33	16°57	22°41	5°27	12°14	16°42	1°51	3° 5	13° 8	n.a.	F 14
S 15	18 32 32	6°23'45	2♍23	7°59	9°55	19°12	17° 5	22°41	5°24	12°16	16°41	1°53	3° 1	13°14	n.a.	S 15
S 16	18 36 29	7°21'46	15°50	9°55	11° 8	19°50	17°13	22°41	5°22	12°18	16°40	1°54	2°58	13°21	n.a.	S 16
M17	18 40 25	8°19'48	29°32	11°50	12°21	20°30	17°21	22°42	5°20	12°20	16°39	1°55	2°55	13°28	n.a.	M17
T 18	18 44 22	9°17'52	13♎31	13°44	13°34	21° 9	17°29	22°42	5°17	12°23	16°38	1°R55	2°52	13°34	n.a.	T 18
W19	18 48 19	10°15'57	27°45	15°37	14°47	21°48	17°38	22°43	5°15	12°25	16°38	1°55	2°49	13°41	n.a.	W19
T 20	18 52 15	11°14'04	12♏12	17°29	16° 0	22°28	17°46	22°43	5°12	12°27	16°37	1°53	2°46	13°48	n.a.	T 20
F 21	18 56 12	12°12'13	26°48	19°19	17°13	23° 7	17°55	22°44	5°10	12°29	16°36	1°51	2°42	13°55	n.a.	F 21
S 22	19 0 8	13°10'24	11♐28	21° 8	18°26	23°47	18° 3	22°45	5° 8	12°32	16°35	1°48	2°39	14° 1	n.a.	S 22
S 23	19 4 5	14° 8'36	26° 5	22°56	19°40	24°27	18°12	22°46	5° 5	12°34	16°35	1°46	2°36	14° 8	n.a.	S 23
M24	19 8 1	15° 6'50	10♑33	24°43	20°53	25° 7	18°21	22°47	5° 3	12°36	16°34	1°44	2°33	14°15	n.a.	M24
T 25	19 11 58	16° 5'06	24°45	26°29	22° 6	25°47	18°30	22°48	5° 1	12°38	16°34	1°43	2°30	14°21	n.a.	T 25
W26	19 15 54	17° 3'24	8♒38	28°13	23°20	26°27	18°40	22°49	4°58	12°40	16°33	1°D43	2°27	14°28	n.a.	W26
T 27	19 19 51	18° 1'44	22° 9	29°56	24°33	27° 8	18°49	22°51	4°56	12°43	16°33	1°44	2°23	14°35	n.a.	T 27
F 28	19 23 48	19° 0'06	5♓16	1♌38	25°47	27°48	18°58	22°52	4°54	12°45	16°32	1°45	2°20	14°42	n.a.	F 28
S 29	19 27 44	19°58'30	18° 2	3°19	27° 0	28°29	19° 8	22°54	4°51	12°47	16°32	1°46	2°17	14°48	n.a.	S 29
S 30	19 31 41	20°56'57	0♈30	4°59	28°14	29° 9	19°18	22°55	4°49	12°49	16°31	1°47	2°14	14°55	n.a.	S 30
M31	19 35 37	21♋55'26	12♈41	6♌37	29♊28	29♍50	19♍27	22♎57	4♑47	12♋52	16♏31	1♒48	2♒11	15♉ 2	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n42	5s 2	3n10	22n58	0n34	17n54	1s 0	7n45	0s 5	7n 7	1n23	6s59	2n13	24s18	0s32	23n45	0n23	13s17	4n 5	19s59	19s41	20n27		n.a.
S 2	23 45	0n34	3 58	23 24	0 45	18 15	0 58	7 29	0 6	7 4	1 23	6 58	2 12	24 18	0 32	23 45	0 23	13 17	4 5	19 59	19 41	20 29		n.a.
M 3	23 47	6 2	4 35	23 49	0 54	18 35	0 55	7 14	0 7	7 2	1 22	6 58	2 12	24 18	0 32	23 44	0 23	13 17	4 5	19 59	19 42	20 31		n.a.
T 4	23 49	11 13	4 59	24 11	1 3	18 55	0 52	6 58	0 9	6 59	1 22	6 58	2 12	24 18	0 32	23 44	0 23	13 17	4 5	20 0	19 43	20 33		n.a.
W 5	23 51	15 56	5 10	24 31	1 11	19 14	0 50	6 43	0 10	6 56	1 22	6 58	2 12	24 18	0 32	23 44	0 23	13 17	4 5	20 0	19 44	20 35		n.a.
T 6	23 52	20 3	5 8	24 48	1 18	19 33	0 47	6 27	0 11	6 53	1 22	6 58	2 11	24 18	0 32	23 44	0 23	13 17	4 5	20 1	19 44	20 37		n.a.
F 7	23 53	23 22	4 52	25 3	1 24	19 52	0 44	6 11	0 12	6 50	1 21	6 58	2 11	24 18	0 32	23 44	0 23	13 16	4 4	20 3	19 45	20 39		n.a.
S 8	23 54	25 42	4 24	25 15	1 30	20 10	0 41	5 55	0 13	6 47	1 21	6 58	2 11	24 18	0 32	23 43	0 23	13 16	4 4	20 4	19 46	20 41		n.a.
S 9	23 53	26 52	3 43	25 25	1 35	20 27	0 39	5 39	0 15	6 44	1 21	6 58	2 11	24 19	0 32	23 43	0 23	13 16	4 4	20 5	19 47	20 43		n.a.
M10	23 53	26 45	2 52	25 31	1 39	20 44	0 36	5 23	0 16	6 41	1 21	6 58	2 10	24 19	0 32	23 43	0 23	13 16	4 4	20 6	19 47	20 45		n.a.
T 11	23 52	25 18	1 52	25 36	1 42	21 0	0 33	5 7	0 17	6 38	1 20	6 59	2 10	24 19	0 32	23 43	0 23	13 16	4 4	20 7	19 48	20 47		n.a.
W12	23 51	22 34	0 46	25 37	1 44	21 16	0 30	4 51	0 18	6 35	1 20	6 59	2 10	24 19	0 32	23 43	0 23	13 16	4 3	20 8	19 49	20 49		n.a.
T 13	23 49	18 41	0s24	25 36	1 46	21 31	0 28	4 35	0 19	6 31	1 20	6 59	2 10	24 19	0 32	23 43	0 23	13 16	4 3	20 8	19 50	20 51		n.a.
F 14	23 47	13 52	1 34	25 33	1 48	21 46	0 25	4 18	0 20	6 28	1 19	6 59	2 9	24 19	0 32	23 42	0 23	13 16	4 3	20 7	19 50	20 53		n.a.
S 15	23 44	8 20	2 40	25 27	1 48	22 0	0 22	4 2	0 21	6 25	1 19	7 0	2 9	24 19	0 32	23 42	0 23	13 16	4 3	20 7	19 51	20 55		n.a.
S 16	23 41	2 21	3 39	25 19	1 48	22 13	0 19	3 45	0 22	6 21	1 19	7 0	2 9	24 19	0 32	23 42	0 23	13 16	4 3	20 7	19 52	20 57		n.a.
M17	23 38	3s52	4 26	25 8	1 47	22 26	0 16	3 29	0 23	6 18	1 19	7 0	2 9	24 19	0 32	23 42	0 23	13 16	4 2	20 6	19 53	20 59		n.a.
T 18	23 34	10 0	4 59	24 56	1 46	22 38	0 14	3 12	0 25	6 14	1 18	7 1	2 8	24 19	0 32	23 42	0 23	13 16	4 2	20 6	19 53	21 1		n.a.
W19	23 29	15 44	5 14	24 41	1 45	22 50	0 11	2 55	0 26	6 11	1 18	7 1	2 8	24 20	0 32	23 41	0 23	13 16	4 2	20 7	19 54	21 3		n.a.
T 20	23 24	20 41	5 10	24 25	1 42	23 1	0 8	2 38	0 27	6 7	1 18	7 2	2 8	24 20	0 32	23 41	0 23	13 16	4 2	20 7	19 55	21 5		n.a.
F 21	23 19	24 26	4 45	24 7	1 40	23 11	0 5	2 21	0 28	6 3	1 18	7 2	2 8	24 20	0 32	23 41	0 23	13 16	4 2	20 8	19 56	21 7		n.a.
S 22	23 14	26 35	4 3	23 47	1 37	23 20	0 2	2 5	0 29	6 0	1 17	7 3	2 7	24 20	0 32	23 41	0 23	13 16	4 1	20 8	19 56	21 9		n.a.
S 23	23 8	26 54	3 4	23 26	1 33	23 29	0n 0	1 48	0 30	5 56	1 17	7 3	2 7	24 20	0 32	23 41	0 23	13 16	4 1	20 9	19 57	21 11		n.a.
M24	23 1	25 22	1 54	23 3	1 29	23 37	0 3	1 30	0 31	5 52	1 17	7 4	2 7	24 20	0 32	23 40	0 23	13 16	4 1	20 9	19 58	21 13		n.a.
T 25	22 54	22 13	0 38	22 39	1 25	23 45	0 6	1 13	0 32	5 48	1 17	7 5	2 7	24 20	0 32	23 40	0 23	13 16	4 1	20 9	19 59	21 15		n.a.
W26	22 47	17 50	0n38	22 14	1 21	23 52	0 8	0 56	0 33	5 44	1 17	7 5	2 6	24 20	0 32	23 40	0 23	13 16	4 0	20 9	19 59	21 17		n.a.
T 27	22 39	12 39	1 51	21 47	1 16	23 58	0 11	0 39	0 34	5 40	1 16	7 6	2 6	24 20	0 32	23 40	0 23	13 16	4 0	20 9	20 0	21 18		n.a.
F 28	22 31	7 3	2 55	21 19	1 11	24 3	0 14	0 22	0 35	5 36	1 16	7 7	2 6	24 20	0 32	23 40	0 23	13 16	4 0	20 9	20 1	21 20		n.a.
S 29	22 22	1 19	3 49	20 50	1 5	24 8	0 16	0 4	0 36	5 32	1 16	7 8	2 5	24 21	0 32	23 39	0 24	13 16	4 0	20 9	20 1	21 22		n.a.
S 30	22 14	4n19	4 31	20 20	0 59	24 12	0 19	0s13	0 37	5 28	1 16	7 9	2 5	24 21	0 32	23 39	0 24	13 16	4 0	20 8	20 2	21 24		n.a.
M31	22n 4	9n41	4n59	19n50	0n53	24n15	0n21	0s30	0s37	5n24	1n15	7s 9	2n 5	24s21	0s32	23n39	0n24	13s16	3n59	20s 8	20s 3	21n26		n.a.

Julian Day Number = 1102140.5, Delta T = 11h01m38s
Ecliptic obliquity = 23°53'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'38, Lahiri = -27°20'38 Julian Calendar 1 July 1696 BCE == Greg. Calendar 17 June 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

AUGUST 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 39 34	22♋53'57	24♈42	8♌15	0♋42	0♎31	19♍37	22♎59	4°R45	12♋54	16°R30	1°R48	2♒ 7	15♉ 9	n.a.	T 1
W 2	19 43 30	23°52'30	6♉37	9°51	1°56	1°12	19°47	23° 1	4♉42	12°56	16♏30	1♒48	2° 4	15°15	n.a.	W 2
T 3	19 47 27	24°51'06	18°29	11°27	3° 9	1°53	19°57	23° 3	4°40	12°58	16°30	1°47	2° 1	15°22	n.a.	T 3
F 4	19 51 23	25°49'45	0♊24	13° 1	4°23	2°35	20° 7	23° 5	4°38	13° 0	16°29	1°46	1°58	15°29	n.a.	F 4
S 5	19 55 20	26°48'25	12°26	14°34	5°37	3°16	20°18	23° 7	4°36	13° 3	16°29	1°46	1°55	15°35	n.a.	S 5
S 6	19 59 16	27°47'08	24°37	16° 6	6°51	3°58	20°28	23° 9	4°34	13° 5	16°29	1°45	1°52	15°42	n.a.	S 6
M 7	20 3 13	28°45'54	7♋ 1	17°37	8° 6	4°39	20°38	23°12	4°32	13° 7	16°29	1°45	1°48	15°49	n.a.	M 7
T 8	20 7 10	29°44'41	19°39	19° 8	9°20	5°21	20°49	23°14	4°29	13° 9	16°28	1°44	1°45	15°56	n.a.	T 8
W 9	20 11 6	0♌43'31	2♌32	20°37	10°34	6° 3	21° 0	23°17	4°27	13°11	16°28	1°D44	1°42	16° 2	n.a.	W 9
T 10	20 15 3	1°42'23	15°39	22° 4	11°48	6°45	21°10	23°19	4°25	13°13	16°28	1°R44	1°39	16° 9	n.a.	T 10
F 11	20 18 59	2°41'17	29° 2	23°31	13° 2	7°27	21°21	23°22	4°23	13°15	16°28	1°44	1°36	16°16	n.a.	F 11
S 12	20 22 56	3°40'13	12♍38	24°57	14°17	8° 9	21°32	23°25	4°21	13°18	16°28	1°44	1°33	16°22	n.a.	S 12
S 13	20 26 52	4°39'11	26°25	26°22	15°31	8°51	21°43	23°28	4°19	13°20	16°D28	1°44	1°29	16°29	n.a.	S 13
M14	20 30 49	5°38'11	10♎22	27°45	16°45	9°34	21°54	23°31	4°17	13°22	16°28	1°44	1°26	16°36	n.a.	M14
T 15	20 34 45	6°37'12	24°27	29° 7	18° 0	10°16	22° 5	23°34	4°16	13°24	16°28	1°43	1°23	16°43	n.a.	T 15
W16	20 38 42	7°36'16	8♏38	0♍28	19°14	10°59	22°16	23°37	4°14	13°26	16°28	1°D43	1°20	16°49	n.a.	W16
T 17	20 42 38	8°35'22	22°52	1°48	20°29	11°41	22°27	23°40	4°12	13°28	16°28	1°43	1°17	16°56	n.a.	T 17
F 18	20 46 35	9°34'29	7♐ 7	3° 7	21°44	12°24	22°39	23°43	4°10	13°30	16°28	1°44	1°13	17° 3	n.a.	F 18
S 19	20 50 32	10°33'39	21°20	4°24	22°58	13° 7	22°50	23°47	4° 8	13°32	16°28	1°45	1°10	17° 9	n.a.	S 19
S 20	20 54 28	11°32'51	5♑29	5°40	24°13	13°50	23° 2	23°50	4° 6	13°34	16°29	1°45	1° 7	17°16	n.a.	S 20
M21	20 58 25	12°32'04	19°29	6°54	25°27	14°33	23°13	23°54	4° 5	13°36	16°29	1°46	1° 4	17°23	n.a.	M21
T 22	21 2 21	13°31'20	3♒18	8° 6	26°42	15°16	23°25	23°58	4° 3	13°38	16°29	1°R46	1° 1	17°30	n.a.	T 22
W23	21 6 18	14°30'38	16°52	9°17	27°57	15°59	23°37	24° 1	4° 1	13°40	16°29	1°46	0°58	17°36	n.a.	W23
T 24	21 10 14	15°29'57	0♓11	10°26	29°12	16°42	23°48	24° 5	4° 0	13°42	16°30	1°45	0°54	17°43	n.a.	T 24
F 25	21 14 11	16°29'20	13°11	11°33	0♌27	17°26	24° 0	24° 9	3°58	13°44	16°30	1°43	0°51	17°50	n.a.	F 25
S 26	21 18 7	17°28'44	25°54	12°38	1°41	18° 9	24°12	24°13	3°57	13°46	16°30	1°41	0°48	17°57	n.a.	S 26
S 27	21 22 4	18°28'11	8♈21	13°41	2°56	18°53	24°24	24°17	3°55	13°48	16°31	1°38	0°45	18° 3	n.a.	S 27
M28	21 26 0	19°27'40	20°33	14°41	4°11	19°36	24°36	24°21	3°54	13°50	16°31	1°36	0°42	18°10	n.a.	M28
T 29	21 29 57	20°27'12	2♉35	15°39	5°26	20°20	24°48	24°25	3°52	13°52	16°32	1°34	0°38	18°17	n.a.	T 29
W30	21 33 54	21°26'46	14°29	16°33	6°41	21° 4	25° 0	24°30	3°51	13°54	16°32	1°33	0°35	18°23	n.a.	W30
T 31	21 37 50	22♌26'23	26♉22	17♍24	7♌56	21♎47	25♍13	24♎34	3♑50	13♋55	16♏33	1°D33	0♒32	18♉30	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat	
T 1	21n54	14n36	5n14	19n18	0n47	24n17	0n24	0s48	0s38	5n20	1n15	7s10	2n 5	24s21	0s32	23n39	0n24	13s16	3n59	20s 8	20s 4	21n28			n.a.	T 1
W 2	21 44	18 55	5 15	18 46	0 41	24 19	0 26	1 5	0 39	5 16	1 15	7 11	2 4	24 21	0 32	23 39	0 24	13 16	3 59	20 8	20 4	21 30			n.a.	W 2
T 3	21 34	22 30	5 3	18 13	0 34	24 20	0 29	1 23	0 40	5 12	1 15	7 12	2 4	24 21	0 32	23 38	0 24	13 16	3 59	20 8	20 5	21 32			n.a.	T 3
F 4	21 23	25 9	4 38	17 40	0 27	24 20	0 31	1 40	0 41	5 7	1 15	7 13	2 4	24 21	0 32	23 38	0 24	13 17	3 58	20 8	20 6	21 33			n.a.	F 4
S 5	21 12	26 41	4 0	17 6	0 20	24 20	0 34	1 58	0 42	5 3	1 14	7 14	2 4	24 21	0 32	23 38	0 24	13 17	3 58	20 9	20 7	21 35			n.a.	S 5
S 6	21 0	26 58	3 11	16 31	0 13	24 19	0 36	2 15	0 43	4 59	1 14	7 15	2 3	24 21	0 32	23 38	0 24	13 17	3 58	20 9	20 7	21 37			n.a.	S 6
M 7	20 48	25 55	2 13	15 56	0 6	24 17	0 38	2 33	0 44	4 54	1 14	7 17	2 3	24 21	0 32	23 38	0 24	13 17	3 58	20 9	20 8	21 39			n.a.	M 7
T 8	20 35	23 31	1 7	15 21	0s 1	24 14	0 41	2 51	0 45	4 50	1 14	7 18	2 3	24 21	0 32	23 37	0 24	13 17	3 58	20 9	20 9	21 41			n.a.	T 8
W 9	20 23	19 54	0s 4	14 45	0 9	24 11	0 43	3 8	0 45	4 46	1 14	7 19	2 3	24 21	0 32	23 37	0 24	13 17	3 57	20 9	20 9	21 43			n.a.	W 9
T 10	20 9	15 14	1 16	14 10	0 16	24 6	0 45	3 26	0 46	4 41	1 13	7 20	2 2	24 21	0 32	23 37	0 24	13 18	3 57	20 9	20 10	21 44			n.a.	T 10
F 11	19 56	9 46	2 26	13 34	0 24	24 1	0 47	3 44	0 47	4 37	1 13	7 21	2 2	24 21	0 32	23 37	0 24	13 18	3 57	20 9	20 11	21 46			n.a.	F 11
S 12	19 42	3 45	3 28	12 57	0 32	23 56	0 49	4 1	0 48	4 32	1 13	7 23	2 2	24 22	0 32	23 37	0 24	13 18	3 57	20 9	20 12	21 48			n.a.	S 12
S 13	19 28	2s30	4 19	12 21	0 39	23 49	0 51	4 19	0 49	4 27	1 13	7 24	2 2	24 22	0 32	23 36	0 24	13 18	3 56	20 9	20 12	21 50			n.a.	S 13
M14	19 13	8 41	4 55	11 45	0 47	23 42	0 53	4 37	0 49	4 23	1 13	7 25	2 2	24 22	0 32	23 36	0 24	13 18	3 56	20 9	20 13	21 52			n.a.	M14
T 15	18 58	14 30	5 14	11 8	0 55	23 34	0 55	4 54	0 50	4 18	1 12	7 27	2 1	24 22	0 32	23 36	0 24	13 19	3 56	20 9	20 14	21 53			n.a.	T 15
W16	18 43	19 35	5 14	10 32	1 3	23 26	0 57	5 12	0 51	4 14	1 12	7 28	2 1	24 22	0 32	23 36	0 24	13 19	3 56	20 9	20 14	21 55			n.a.	W16
T 17	18 27	23 35	4 56	9 56	1 11	23 16	0 59	5 30	0 52	4 9	1 12	7 29	2 1	24 22	0 32	23 36	0 24	13 19	3 56	20 9	20 15	21 57			n.a.	T 17
F 18	18 11	26 9	4 18	9 20	1 19	23 6	1 1	5 47	0 52	4 4	1 12	7 31	2 1	24 22	0 32	23 35	0 24	13 19	3 55	20 9	20 16	21 59			n.a.	F 18
S 19	17 55	27 1	3 26	8 44	1 27	22 56	1 3	6 5	0 53	3 59	1 12	7 32	2 0	24 22	0 32	23 35	0 24	13 20	3 55	20 9	20 17	22 0			n.a.	S 19
S 20	17 39	26 7	2 20	8 9	1 34	22 44	1 4	6 23	0 54	3 55	1 12	7 34	2 0	24 22	0 32	23 35	0 24	13 20	3 55	20 9	20 17	22 2			n.a.	S 20
M21	17 22	23 34	1 8	7 34	1 42	22 32	1 6	6 41	0 55	3 50	1 11	7 36	2 0	24 22	0 32	23 35	0 24	13 20	3 55	20 9	20 18	22 4			n.a.	M21
T 22	17 5	19 39	0n 8	7 0	1 50	22 19	1 8	6 58	0 55	3 45	1 11	7 37	2 0	24 22	0 32	23 35	0 24	13 20	3 54	20 9	20 19	22 6			n.a.	T 22
W23	16 47	14 46	1 23	6 26	1 57	22 6	1 9	7 16	0 56	3 40	1 11	7 39	1 59	24 22	0 32	23 34	0 24	13 21	3 54	20 9	20 19	22 7			n.a.	W23
T 24	16 30	9 17	2 31	5 52	2 5	21 51	1 11	7 33	0 57	3 35	1 11	7 40	1 59	24 22	0 32	23 34	0 24	13 21	3 54	20 9	20 20	22 9			n.a.	T 24
F 25	16 12	3 31	3 29	5 20	2 12	21 37	1 12	7 51	0 57	3 30	1 11	7 42	1 59	24 22	0 32	23 34	0 24	13 21	3 54	20 9	20 21	22 11			n.a.	F 25
S 26	15 53	2n15	4 16	4 48	2 19	21 21	1 13	8 8	0 58	3 25	1 11	7 44	1 59	24 22	0 32	23 34	0 24	13 22	3 54	20 10	20 22	22 13			n.a.	S 26
S 27	15 35	7 47	4 50	4 17	2 26	21 5	1 15	8 26	0 59	3 20	1 10	7 45	1 59	24 22	0 32	23 34	0 24	13 22	3 53	20 10	20 22	22 14			n.a.	S 27
M28	15 16	12 56	5 9	3 48	2 33	20 48	1 16	8 43	0 59	3 15	1 10	7 47	1 58	24 22	0 32	23 33	0 24	13 22	3 53	20 11	20 23	22 16			n.a.	M28
T 29	14 57	17 30	5 15	3 19	2 39	20 31	1 17	9 1	1 0	3 10	1 10	7 49	1 58	24 22	0 32	23 33	0 24	13 23	3 53	20 11	20 24	22 18			n.a.	T 29
W30	14 37	21 22	5 7	2 52	2 46	20 13	1 18	9 18	1 1	3 5	1 10	7 51	1 58	24 22	0 32	23 33	0 24	13 23	3 53	20 11	20 24	22 19			n.a.	W30
T 31	14n18	24n20	4n46	2n27	2s51	19n54	1n19	9s35	1s 1	3n 0	1n10	7s52	1n58	24s22	0s32	23n33	0n24	13s23	3n52	20s12	20s25	22n21			n.a.	T 31

Julian Day Number = 1102171.5, Delta T = 11h01m36s
Ecliptic obliquity = 23°53'36, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'34, Lahiri = -27°20'34 Julian Calendar 1 Aug. 1696 BCE == Greg. Calendar 18 July 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

SEPTEMBER 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 41 47	23♌26'02	8♊16	18♍12	9♌11	22♎31	25♍25	24♎38	3°R48	13♋57	16♏33	1♒34	0♒29	18♉37	n.a.	F 1
S 2	21 45 43	24°25'43	20°18	18°56	10°27	23°15	25°37	24°43	3♉47	13°59	16°34	1°35	0°26	18°44	n.a.	S 2
S 3	21 49 40	25°25'27	2♋32	19°35	11°42	23°59	25°50	24°48	3°46	14° 1	16°35	1°37	0°23	18°50	n.a.	S 3
M 4	21 53 36	26°25'14	15° 1	20°10	12°57	24°44	26° 2	24°52	3°45	14° 3	16°35	1°38	0°19	18°57	n.a.	M 4
T 5	21 57 33	27°25'03	27°49	20°40	14°12	25°28	26°15	24°57	3°43	14° 4	16°36	1°R39	0°16	19° 4	n.a.	T 5
W 6	22 1 29	28°24'54	10♌57	21° 4	15°27	26°12	26°27	25° 2	3°42	14° 6	16°37	1°39	0°13	19°10	n.a.	W 6
T 7	22 5 26	29°24'47	24°26	21°21	16°43	26°57	26°40	25° 7	3°41	14° 8	16°37	1°37	0°10	19°17	n.a.	T 7
F 8	22 9 23	0♍24'42	8♍15	21°32	17°58	27°41	26°52	25°11	3°40	14° 9	16°38	1°34	0° 7	19°24	n.a.	F 8
S 9	22 13 19	1°24'39	22°19	21°R36	19°13	28°26	27° 5	25°16	3°39	14°11	16°39	1°30	0° 4	19°31	n.a.	S 9
S 10	22 17 16	2°24'39	6♎35	21°32	20°29	29°10	27°18	25°22	3°39	14°13	16°40	1°25	0° 0	19°37	n.a.	S 10
M11	22 21 12	3°24'40	20°57	21°19	21°44	29°55	27°31	25°27	3°38	14°14	16°41	1°21	29♉57	19°44	n.a.	M11
T 12	22 25 9	4°24'43	5♏21	20°58	22°59	0♏40	27°43	25°32	3°37	14°16	16°42	1°17	29°54	19°51	n.a.	T 12
W13	22 29 5	5°24'48	19°40	20°27	24°15	1°24	27°56	25°37	3°36	14°17	16°42	1°14	29°51	19°57	n.a.	W13
T 14	22 33 2	6°24'55	3♐54	19°48	25°30	2° 9	28° 9	25°42	3°35	14°19	16°43	1°D13	29°48	20° 4	n.a.	T 14
F 15	22 36 58	7°25'03	17°58	18°59	26°45	2°54	28°22	25°48	3°35	14°20	16°44	1°14	29°44	20°11	n.a.	F 15
S 16	22 40 55	8°25'13	1♑52	18° 2	28° 1	3°39	28°35	25°53	3°34	14°22	16°45	1°15	29°41	20°18	n.a.	S 16
S 17	22 44 51	9°25'25	15°36	16°58	29°16	4°24	28°48	25°59	3°34	14°23	16°46	1°16	29°38	20°24	n.a.	S 17
M18	22 48 48	10°25'39	29° 9	15°47	0♍32	5° 9	29° 1	26° 4	3°33	14°25	16°48	1°R17	29°35	20°31	n.a.	M18
T 19	22 52 45	11°25'54	12♒32	14°32	1°47	5°55	29°14	26°10	3°33	14°26	16°49	1°17	29°32	20°38	n.a.	T 19
W20	22 56 41	12°26'11	25°42	13°14	3° 3	6°40	29°27	26°15	3°32	14°28	16°50	1°14	29°29	20°44	n.a.	W20
T 21	23 0 38	13°26'30	8♓41	11°56	4°18	7°25	29°40	26°21	3°32	14°29	16°51	1° 9	29°25	20°51	n.a.	T 21
F 22	23 4 34	14°26'51	21°27	10°40	5°34	8°10	29°54	26°27	3°31	14°30	16°52	1° 3	29°22	20°58	n.a.	F 22
S 23	23 8 31	15°27'13	4♈ 1	9°30	6°49	8°56	0♎ 7	26°33	3°31	14°32	16°53	0°55	29°19	21° 5	n.a.	S 23
S 24	23 12 27	16°27'38	16°21	8°26	8° 5	9°41	0°20	26°39	3°31	14°33	16°55	0°46	29°16	21°11	n.a.	S 24
M25	23 16 24	17°28'04	28°31	7°31	9°21	10°27	0°33	26°44	3°31	14°34	16°56	0°37	29°13	21°18	n.a.	M25
T 26	23 20 20	18°28'33	10♉30	6°46	10°36	11°12	0°47	26°50	3°31	14°35	16°57	0°30	29°10	21°25	n.a.	T 26
W27	23 24 17	19°29'03	22°24	6°13	11°52	11°58	1° 0	26°56	3°31	14°36	16°58	0°24	29° 6	21°31	n.a.	W27
T 28	23 28 13	20°29'36	4♊14	5°51	13° 7	12°43	1°13	27° 2	3°D31	14°38	17° 0	0°20	29° 3	21°38	n.a.	T 28
F 29	23 32 10	21°30'11	16° 7	5°D40	14°23	13°29	1°26	27° 9	3°31	14°39	17° 1	0°18	29° 0	21°45	n.a.	F 29
S 30	23 36 7	22♍30'47	28♊ 5	5♍42	15♍39	14♏15	1♎40	27♎15	3♉31	14♋40	17♏ 3	0°D18	28♉57	21♉52	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n58	26n15	4n13	2n 3	2s57	19n35	1n20	9s53	1s 2	2n55	1n10	7s54	1n57	24s22	0s32	23n33	0n24	13s24	3n52	20s11	20s26	22n23		n.a.
S 2	13 38	26 59	3 28	1 41	3 2	19 15	1 21	10 10	1 2	2 50	1 9	7 56	1 57	24 22	0 32	23 33	0 24	13 24	3 52	20 11	20 26	22 24		n.a.
S 3	13 17	26 25	2 33	1 21	3 6	18 55	1 22	10 27	1 3	2 45	1 9	7 58	1 57	24 22	0 32	23 32	0 24	13 25	3 52	20 11	20 27	22 26		n.a.
M 4	12 57	24 31	1 30	1 4	3 10	18 34	1 23	10 44	1 4	2 40	1 9	8 0	1 57	24 22	0 32	23 32	0 24	13 25	3 52	20 10	20 28	22 28		n.a.
T 5	12 36	21 20	0 21	0 49	3 13	18 12	1 23	11 1	1 4	2 34	1 9	8 2	1 57	24 22	0 32	23 32	0 24	13 25	3 51	20 10	20 29	22 29		n.a.
W 6	12 15	17 0	0s51	0 38	3 15	17 50	1 24	11 18	1 5	2 29	1 9	8 4	1 56	24 22	0 32	23 32	0 24	13 26	3 51	20 10	20 29	22 31		n.a.
T 7	11 54	11 43	2 2	0 29	3 17	17 28	1 25	11 35	1 5	2 24	1 9	8 6	1 56	24 22	0 32	23 32	0 24	13 26	3 51	20 11	20 30	22 33		n.a.
F 8	11 32	5 45	3 7	0 24	3 17	17 5	1 25	11 52	1 6	2 19	1 9	8 8	1 56	24 22	0 32	23 32	0 24	13 27	3 51	20 11	20 31	22 34		n.a.
S 9	11 11	0s36	4 2	0 24	3 16	16 41	1 25	12 9	1 6	2 14	1 9	8 10	1 56	24 22	0 32	23 31	0 24	13 27	3 50	20 12	20 31	22 36		n.a.
S 10	10 49	6 59	4 43	0 27	3 14	16 17	1 26	12 25	1 7	2 8	1 8	8 12	1 56	24 23	0 32	23 31	0 24	13 28	3 50	20 13	20 32	22 38		n.a.
M11	10 27	13 3	5 7	0 35	3 11	15 53	1 26	12 42	1 7	2 3	1 8	8 14	1 55	24 23	0 32	23 31	0 24	13 28	3 50	20 14	20 33	22 39		n.a.
T 12	10 4	18 25	5 11	0 49	3 6	15 28	1 26	12 59	1 8	1 58	1 8	8 16	1 55	24 23	0 32	23 31	0 24	13 28	3 50	20 15	20 33	22 41		n.a.
W13	9 42	22 43	4 56	1 7	2 59	15 3	1 27	13 15	1 8	1 52	1 8	8 18	1 55	24 23	0 32	23 31	0 24	13 29	3 50	20 16	20 34	22 42		n.a.
T 14	9 20	25 37	4 23	1 30	2 51	14 37	1 27	13 31	1 9	1 47	1 8	8 20	1 55	24 23	0 32	23 31	0 24	13 29	3 49	20 16	20 35	22 44		n.a.
F 15	8 57	26 53	3 34	1 59	2 40	14 11	1 27	13 48	1 9	1 42	1 8	8 22	1 55	24 23	0 32	23 31	0 24	13 30	3 49	20 16	20 35	22 46		n.a.
S 16	8 34	26 26	2 33	2 33	2 28	13 44	1 27	14 4	1 10	1 36	1 8	8 25	1 55	24 23	0 32	23 30	0 24	13 30	3 49	20 16	20 36	22 47		n.a.
S 17	8 11	24 21	1 24	3 12	2 14	13 18	1 27	14 20	1 10	1 31	1 8	8 27	1 54	24 23	0 32	23 30	0 24	13 31	3 49	20 15	20 37	22 49		n.a.
M18	7 48	20 54	0 12	3 55	1 58	12 50	1 26	14 36	1 11	1 26	1 8	8 29	1 54	24 23	0 32	23 30	0 24	13 31	3 49	20 15	20 37	22 50		n.a.
T 19	7 25	16 24	1n 1	4 40	1 40	12 23	1 26	14 51	1 11	1 20	1 7	8 31	1 54	24 23	0 32	23 30	0 25	13 32	3 48	20 15	20 38	22 52		n.a.
W20	7 1	11 11	2 8	5 28	1 21	11 55	1 26	15 7	1 11	1 15	1 7	8 33	1 54	24 23	0 32	23 30	0 25	13 32	3 48	20 16	20 39	22 53		n.a.
T 21	6 38	5 34	3 8	6 17	1 1	11 26	1 26	15 23	1 12	1 9	1 7	8 36	1 54	24 22	0 32	23 30	0 25	13 33	3 48	20 17	20 39	22 55		n.a.
F 22	6 14	0n11	3 58	7 5	0 40	10 58	1 25	15 38	1 12	1 4	1 7	8 38	1 54	24 22	0 32	23 30	0 25	13 33	3 48	20 18	20 40	22 57		n.a.
S 23	5 50	5 48	4 34	7 51	0 20	10 29	1 25	15 53	1 13	0 59	1 7	8 40	1 53	24 22	0 32	23 30	0 25	13 34	3 48	20 20	20 41	22 58		n.a.
S 24	5 26	11 7	4 58	8 34	0n 1	10 0	1 24	16 9	1 13	0 53	1 7	8 43	1 53	24 22	0 32	23 29	0 25	13 35	3 47	20 22	20 42	23 0		n.a.
M25	5 3	15 54	5 7	9 13	0 20	9 30	1 23	16 24	1 13	0 48	1 7	8 45	1 53	24 22	0 32	23 29	0 25	13 35	3 47	20 24	20 42	23 1		n.a.
T 26	4 38	20 2	5 3	9 47	0 38	9 0	1 23	16 38	1 14	0 42	1 7	8 47	1 53	24 22	0 32	23 29	0 25	13 36	3 47	20 26	20 43	23 3		n.a.
W27	4 14	23 18	4 45	10 16	0 55	8 30	1 22	16 53	1 14	0 37	1 7	8 50	1 53	24 22	0 32	23 29	0 25	13 36	3 47	20 27	20 44	23 4		n.a.
T 28	3 50	25 34	4 15	10 38	1 11	8 0	1 21	17 8	1 14	0 31	1 7	8 52	1 53	24 22	0 32	23 29	0 25	13 37	3 47	20 28	20 44	23 6		n.a.
F 29	3 26	26 43	3 35	10 54	1 24	7 30	1 20	17 22	1 15	0 26	1 7	8 54	1 52	24 22	0 32	23 29	0 25	13 37	3 46	20 28	20 45	23 7		n.a.
S 30	3n 2	26n37	2n44	11n 5	1n36	6n59	1n19	17s37	1s15	0n20	1n 6	8s57	1n52	24s22	0s32	23n29	0n25	13s38	3n46	20s28	20s46	23n 9		n.a.

Julian Day Number = 1102202.5, Delta T = 11h01m34s
Ecliptic obliquity = 23°53'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'30, Lahiri = -27°20'30 Julian Calendar 1 Sept. 1696 BCE == Greg. Calendar 18 Aug. 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

OCTOBER 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 40 3	23♍31'26	10♋16	5♍54	16♍54	15♏ 1	1♎53	27♎21	3♑31	14♋41	17♏ 4	0♒19	28♑54	21♉58	n.a.	S 1
M 2	23 44 0	24°32'06	22°44	6°16	18°10	15°47	2° 7	27°27	3°31	14°42	17° 5	0°20	28°50	22° 5	n.a.	M 2
T 3	23 47 56	25°32'49	5♌34	6°48	19°26	16°32	2°20	27°33	3°31	14°43	17° 7	0°R20	28°47	22°12	n.a.	T 3
W 4	23 51 53	26°33'33	18°49	7°28	20°41	17°18	2°33	27°40	3°31	14°44	17° 8	0°19	28°44	22°18	n.a.	W 4
T 5	23 55 49	27°34'19	2♍30	8°15	21°57	18° 4	2°47	27°46	3°32	14°45	17°10	0°15	28°41	22°25	n.a.	T 5
F 6	23 59 46	28°35'06	16°37	9° 9	23°13	18°50	3° 0	27°52	3°32	14°46	17°11	0° 8	28°38	22°32	n.a.	F 6
S 7	0 3 42	29°35'55	1♎ 5	10° 9	24°28	19°36	3°14	27°59	3°33	14°47	17°13	29♑59	28°35	22°39	n.a.	S 7
S 8	0 7 39	0♎36'46	15°50	11°14	25°44	20°22	3°27	28° 5	3°33	14°47	17°14	29°50	28°31	22°45	n.a.	S 8
M 9	0 11 36	1°37'38	0♏41	12°23	27° 0	21° 9	3°41	28°12	3°34	14°48	17°16	29°40	28°28	22°52	n.a.	M 9
T 10	0 15 32	2°38'31	15°30	13°37	28°15	21°55	3°54	28°18	3°34	14°49	17°18	29°31	28°25	22°59	n.a.	T 10
W11	0 19 29	3°39'26	0♐11	14°53	29°31	22°41	4° 8	28°25	3°35	14°50	17°19	29°24	28°22	23° 5	n.a.	W11
T 12	0 23 25	4°40'22	14°36	16°12	0♎47	23°27	4°21	28°32	3°36	14°50	17°21	29°20	28°19	23°12	n.a.	T 12
F 13	0 27 22	5°41'18	28°44	17°33	2° 2	24°14	4°35	28°38	3°36	14°51	17°23	29°19	28°15	23°19	n.a.	F 13
S 14	0 31 18	6°42'16	12♑33	18°57	3°18	25° 0	4°48	28°45	3°37	14°52	17°24	29°D18	28°12	23°26	n.a.	S 14
S 15	0 35 15	7°43'15	26° 4	20°22	4°34	25°46	5° 1	28°51	3°38	14°52	17°26	29°R19	28° 9	23°32	n.a.	S 15
M16	0 39 11	8°44'14	9♒19	21°48	5°49	26°33	5°15	28°58	3°39	14°53	17°28	29°18	28° 6	23°39	n.a.	M16
T 17	0 43 8	9°45'15	22°20	23°16	7° 5	27°19	5°28	29° 5	3°40	14°53	17°30	29°16	28° 3	23°46	n.a.	T 17
W18	0 47 5	10°46'16	5♓ 9	24°44	8°21	28° 5	5°42	29°12	3°41	14°54	17°31	29°11	28° 0	23°52	n.a.	W18
T 19	0 51 1	11°47'19	17°47	26°14	9°36	28°52	5°55	29°18	3°42	14°54	17°33	29° 3	27°56	23°59	n.a.	T 19
F 20	0 54 58	12°48'22	0♈16	27°44	10°52	29°38	6° 9	29°25	3°43	14°55	17°35	28°52	27°53	24° 6	n.a.	F 20
S 21	0 58 54	13°49'26	12°36	29°15	12° 8	0♐25	6°22	29°32	3°44	14°55	17°37	28°39	27°50	24°13	n.a.	S 21
S 22	1 2 51	14°50'31	24°47	0♎46	13°23	1°11	6°36	29°39	3°45	14°56	17°39	28°25	27°47	24°19	n.a.	S 22
M23	1 6 47	15°51'38	6♉50	2°17	14°39	1°58	6°49	29°46	3°47	14°56	17°41	28°11	27°44	24°26	n.a.	M23
T 24	1 10 44	16°52'45	18°46	3°49	15°55	2°44	7° 2	29°53	3°48	14°56	17°42	27°58	27°41	24°33	n.a.	T 24
W25	1 14 40	17°53'54	0♊38	5°21	17°10	3°31	7°16	29°59	3°49	14°57	17°44	27°47	27°37	24°39	n.a.	W25
T 26	1 18 37	18°55'03	12°27	6°53	18°26	4°17	7°29	0♏ 7	3°51	14°57	17°46	27°39	27°34	24°46	n.a.	T 26
F 27	1 22 34	19°56'14	24°17	8°26	19°41	5° 4	7°43	0°13	3°52	14°57	17°48	27°34	27°31	24°53	n.a.	F 27
S 28	1 26 30	20°57'26	6♋13	9°59	20°57	5°51	7°56	0°20	3°54	14°57	17°50	27°32	27°28	24°59	n.a.	S 28
S 29	1 30 27	21°58'39	18°20	11°31	22°13	6°37	8° 9	0°27	3°55	14°57	17°52	27°31	27°25	25° 6	n.a.	S 29
M30	1 34 23	22°59'52	0♌43	13° 4	23°28	7°24	8°22	0°34	3°57	14°57	17°54	27°31	27°21	25°13	n.a.	M30
T 31	1 38 20	24♎ 1'07	13♌28	14♎37	24♎44	8♐11	8♎36	0♏41	3♑58	14♋57	17♏56	27♑30	27♑18	25♉20	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	2n37	25n15	1n46	11n10	1n47	6n28	1n19	17s51	1s15	0n15	1n 6	8s59	1n52	24s22	0s32	23n29	0n25	13s39	3n46	20s28	20s46	23n10			n.a.
M 2	2 13	22 36	0 41	11 10	1 55	5 57	1 17	18 5	1 16	0 9	1 6	9 1	1 52	24 22	0 32	23 29	0 25	13 39	3 46	20 28	20 47	23 12			n.a.
T 3	1 48	18 47	0s28	11 4	2 2	5 26	1 16	18 18	1 16	0 4	1 6	9 4	1 52	24 22	0 32	23 29	0 25	13 40	3 46	20 28	20 48	23 13			n.a.
W 4	1 24	13 56	1 37	10 54	2 8	4 54	1 15	18 32	1 16	0s 2	1 6	9 6	1 52	24 22	0 32	23 28	0 25	13 40	3 45	20 28	20 48	23 15			n.a.
T 5	0 59	8 15	2 43	10 40	2 12	4 23	1 14	18 46	1 17	0 7	1 6	9 9	1 52	24 22	0 32	23 28	0 25	13 41	3 45	20 29	20 49	23 16			n.a.
F 6	0 34	2 0	3 41	10 22	2 15	3 51	1 13	18 59	1 17	0 13	1 6	9 11	1 52	24 22	0 31	23 28	0 25	13 42	3 45	20 30	20 50	23 17			n.a.
S 7	0 10	4s30	4 26	10 0	2 17	3 20	1 11	19 12	1 17	0 18	1 6	9 14	1 51	24 22	0 31	23 28	0 25	13 42	3 45	20 32	20 50	23 19			n.a.
S 8	0s15	10 51	4 54	9 36	2 17	2 48	1 10	19 25	1 17	0 24	1 6	9 16	1 51	24 22	0 31	23 28	0 25	13 43	3 45	20 34	20 51	23 20			n.a.
M 9	0 40	16 39	5 3	9 9	2 17	2 16	1 9	19 38	1 17	0 29	1 6	9 18	1 51	24 22	0 31	23 28	0 25	13 43	3 44	20 36	20 51	23 22			n.a.
T 10	1 4	21 26	4 52	8 39	2 16	1 44	1 7	19 50	1 18	0 35	1 6	9 21	1 51	24 22	0 31	23 28	0 25	13 44	3 44	20 38	20 52	23 23			n.a.
W11	1 29	24 49	4 21	8 7	2 14	1 12	1 6	20 3	1 18	0 40	1 6	9 23	1 51	24 22	0 31	23 28	0 25	13 45	3 44	20 40	20 53	23 25			n.a.
T 12	1 53	26 32	3 34	7 34	2 12	0 40	1 4	20 15	1 18	0 46	1 6	9 26	1 51	24 22	0 31	23 28	0 25	13 45	3 44	20 41	20 53	23 26			n.a.
F 13	2 18	26 28	2 35	6 59	2 9	0 8	1 2	20 27	1 18	0 51	1 6	9 28	1 51	24 22	0 31	23 28	0 25	13 46	3 44	20 41	20 54	23 27			n.a.
S 14	2 43	24 45	1 28	6 22	2 5	0s25	1 1	20 39	1 18	0 57	1 6	9 31	1 51	24 22	0 31	23 28	0 25	13 47	3 44	20 41	20 55	23 29			n.a.
S 15	3 7	21 37	0 17	5 45	2 1	0 57	0 59	20 50	1 19	1 2	1 6	9 33	1 50	24 22	0 31	23 28	0 25	13 47	3 43	20 41	20 55	23 30			n.a.
M16	3 32	17 25	0n53	5 6	1 57	1 29	0 57	21 2	1 19	1 8	1 5	9 36	1 50	24 22	0 31	23 28	0 25	13 48	3 43	20 41	20 56	23 32			n.a.
T 17	3 56	12 28	1 59	4 26	1 52	2 1	0 56	21 13	1 19	1 13	1 5	9 38	1 50	24 22	0 31	23 28	0 25	13 49	3 43	20 41	20 57	23 33			n.a.
W18	4 20	7 3	2 58	3 46	1 47	2 33	0 54	21 24	1 19	1 18	1 5	9 41	1 50	24 22	0 31	23 28	0 25	13 49	3 43	20 42	20 57	23 34			n.a.
T 19	4 45	1 27	3 47	3 5	1 42	3 5	0 52	21 34	1 19	1 24	1 5	9 43	1 50	24 22	0 31	23 28	0 25	13 50	3 43	20 44	20 58	23 36			n.a.
F 20	5 9	4n 8	4 24	2 23	1 36	3 37	0 50	21 45	1 19	1 29	1 5	9 46	1 50	24 22	0 31	23 28	0 25	13 51	3 43	20 46	20 59	23 37			n.a.
S 21	5 33	9 29	4 49	1 41	1 30	4 9	0 48	21 55	1 19	1 35	1 5	9 48	1 50	24 22	0 31	23 28	0 25	13 51	3 42	20 49	20 59	23 38			n.a.
S 22	5 57	14 24	4 59	0 59	1 24	4 41	0 46	22 5	1 20	1 40	1 5	9 51	1 50	24 21	0 31	23 28	0 25	13 52	3 42	20 52	21 0	23 40			n.a.
M23	6 21	18 42	4 57	0 16	1 18	5 12	0 44	22 15	1 20	1 46	1 5	9 54	1 50	24 21	0 31	23 28	0 25	13 53	3 42	20 55	21 1	23 41			n.a.
T 24	6 45	22 13	4 41	0s27	1 12	5 44	0 42	22 24	1 20	1 51	1 5	9 56	1 50	24 21	0 31	23 28	0 25	13 53	3 42	20 58	21 1	23 42			n.a.
W25	7 9	24 47	4 13	1 10	1 5	6 15	0 40	22 34	1 20	1 56	1 5	9 59	1 50	24 21	0 31	23 28	0 25	13 54	3 42	21 0	21 2	23 44			n.a.
T 26	7 33	26 15	3 34	1 53	0 59	6 47	0 38	22 43	1 20	2 2	1 5	10 1	1 49	24 21	0 31	23 28	0 25	13 55	3 42	21 1	21 2	23 45			n.a.
F 27	7 56	26 32	2 46	2 36	0 52	7 18	0 36	22 51	1 20	2 7	1 5	10 4	1 49	24 21	0 31	23 28	0 26	13 55	3 41	21 3	21 3	23 46			n.a.
S 28	8 20	25 35	1 50	3 20	0 46	7 49	0 34	23 0	1 20	2 13	1 5	10 6	1 49	24 21	0 31	23 28	0 26	13 56	3 41	21 3	21 4	23 48			n.a.
S 29	8 43	23 25	0 48	4 3	0 39	8 19	0 31	23 8	1 20	2 18	1 5	10 9	1 49	24 21	0 31	23 28	0 26	13 57	3 41	21 3	21 4	23 49			n.a.
M30	9 6	20 6	0s17	4 46	0 32	8 50	0 29	23 16	1 20	2 23	1 5	10 11	1 49	24 21	0 31	23 28	0 26	13 57	3 41	21 3	21 5	23 50			n.a.
T 31	9s29	15n46	1s23	5s29	0n25	9s20	0n27	23s24	1s20	2s29	1n 5	10s14	1n49	24s21	0s31	23n28	0n26	13s58	3n41	21s 3	21s 6	23n52			n.a.

Julian Day Number = 1102232.5, Delta T = 11h01m32s
Ecliptic obliquity = 23°53'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'26, Lahiri = -27°20'25 Julian Calendar 1 Oct. 1696 BCE == Greg. Calendar 17 Sept. 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

NOVEMBER 1696 BCE (-1695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 42 16	25♎ 2'22	26♌38	16♎10	25♎59	8♐57	8♎49	0♏48	4♑ 0	14°R57	17♏58	27°R28	27♑15	25♉26	n.a.	W 1
T 2	1 46 13	26° 3'39	10♍18	17°44	27°15	9°44	9° 2	0°55	4° 2	14♋57	18° 0	27♑23	27°12	25°33	n.a.	T 2
F 3	1 50 10	27° 4'56	24°28	19°17	28°31	10°31	9°15	1° 2	4° 4	14°57	18° 2	27°15	27° 9	25°40	n.a.	F 3
S 4	1 54 6	28° 6'14	9♎ 6	20°51	29°46	11°18	9°29	1° 9	4° 5	14°57	18° 4	27° 5	27° 6	25°46	n.a.	S 4
S 5	1 58 3	29° 7'32	24° 5	22°24	1♏ 2	12° 4	9°42	1°16	4° 7	14°57	18° 6	26°53	27° 2	25°53	n.a.	S 5
M 6	2 1 59	0♏ 8'51	9♏17	23°58	2°17	12°51	9°55	1°23	4° 9	14°57	18° 8	26°41	26°59	26° 0	n.a.	M 6
T 7	2 5 56	1°10'10	24°30	25°32	3°33	13°38	10° 8	1°30	4°11	14°57	18°10	26°30	26°56	26° 7	n.a.	T 7
W 8	2 9 52	2°11'30	9♐34	27° 6	4°49	14°25	10°21	1°37	4°13	14°57	18°12	26°22	26°53	26°13	n.a.	W 8
T 9	2 13 49	3°12'50	24°20	28°40	6° 4	15°11	10°34	1°44	4°15	14°56	18°14	26°16	26°50	26°20	n.a.	T 9
F 10	2 17 45	4°14'10	8♑42	0♏14	7°20	15°58	10°47	1°51	4°17	14°56	18°16	26°13	26°47	26°27	n.a.	F 10
S 11	2 21 42	5°15'29	22°39	1°49	8°35	16°45	11° 0	1°58	4°19	14°56	18°18	26°D12	26°43	26°33	n.a.	S 11
S 12	2 25 39	6°16'49	6♒11	3°24	9°51	17°32	11°13	2° 5	4°21	14°55	18°21	26°R12	26°40	26°40	n.a.	S 12
M13	2 29 35	7°18'08	19°22	4°59	11° 6	18°19	11°25	2°12	4°24	14°55	18°23	26°12	26°37	26°47	n.a.	M13
T 14	2 33 32	8°19'27	2♓13	6°34	12°22	19° 5	11°38	2°19	4°26	14°55	18°25	26°10	26°34	26°53	n.a.	T 14
W15	2 37 28	9°20'46	14°50	8° 9	13°37	19°52	11°51	2°26	4°28	14°54	18°27	26° 5	26°31	27° 0	n.a.	W15
T 16	2 41 25	10°22'05	27°14	9°45	14°53	20°39	12° 4	2°33	4°30	14°54	18°29	25°57	26°27	27° 7	n.a.	T 16
F 17	2 45 21	11°23'23	9♈28	11°21	16° 8	21°26	12°16	2°40	4°33	14°53	18°31	25°47	26°24	27°14	n.a.	F 17
S 18	2 49 18	12°24'42	21°35	12°57	17°23	22°12	12°29	2°47	4°35	14°53	18°33	25°34	26°21	27°20	n.a.	S 18
S 19	2 53 15	13°26'00	3♉36	14°34	18°39	22°59	12°41	2°54	4°38	14°52	18°35	25°20	26°18	27°27	n.a.	S 19
M20	2 57 11	14°27'18	15°33	16°11	19°54	23°46	12°54	3° 1	4°40	14°51	18°37	25° 6	26°15	27°34	n.a.	M20
T 21	3 1 8	15°28'35	27°25	17°48	21°10	24°33	13° 6	3° 8	4°43	14°51	18°40	24°53	26°12	27°40	n.a.	T 21
W22	3 5 4	16°29'53	9♊16	19°26	22°25	25°20	13°19	3°15	4°45	14°50	18°42	24°42	26° 8	27°47	n.a.	W22
T 23	3 9 1	17°31'11	21° 6	21° 4	23°40	26° 6	13°31	3°22	4°48	14°49	18°44	24°34	26° 5	27°54	n.a.	T 23
F 24	3 12 57	18°32'28	2♋58	22°42	24°56	26°53	13°43	3°29	4°50	14°49	18°46	24°29	26° 2	28° 1	n.a.	F 24
S 25	3 16 54	19°33'45	14°56	24°21	26°11	27°40	13°56	3°36	4°53	14°48	18°48	24°27	25°59	28° 7	n.a.	S 25
S 26	3 20 51	20°35'02	27° 2	26° 0	27°26	28°26	14° 8	3°43	4°56	14°47	18°50	24°D26	25°56	28°14	n.a.	S 26
M27	3 24 47	21°36'19	9♌23	27°39	28°42	29°13	14°20	3°49	4°58	14°46	18°52	24°27	25°52	28°21	n.a.	M27
T 28	3 28 44	22°37'36	22° 3	29°19	29°57	29°59	14°32	3°56	5° 1	14°45	18°55	24°R27	25°49	28°27	n.a.	T 28
W29	3 32 40	23°38'52	5♍ 6	0♐59	1♐12	0♑46	14°44	4° 3	5° 4	14°45	18°57	24°26	25°46	28°34	n.a.	W29
T 30	3 36 37	24♏40'08	18♍36	2♐39	2♐28	1♑33	14♎56	4♏10	5♑ 7	14♋44	18♏59	24♑24	25♑43	28♉41	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s52	10n34	2s27	6s11	0n19	9s51	0n25	23s32	1s20	2s34	1n 5	10s16	1n49	24s21	0s31	23n28	0n26	13s59	3n41	21s 4	21s 6	23n53		n.a.
T 2	10 15	4 41	3 25	6 54	0 12	10 21	0 22	23 39	1 20	2 39	1 5	10 19	1 49	24 21	0 31	23 28	0 26	13 59	3 41	21 5	21 7	23 54		n.a.
F 3	10 38	1s37	4 13	7 36	0 5	10 50	0 20	23 46	1 20	2 45	1 5	10 21	1 49	24 21	0 31	23 28	0 26	14 0	3 40	21 6	21 8	23 55		n.a.
S 4	11 0	8 2	4 45	8 18	0s 1	11 20	0 18	23 53	1 20	2 50	1 5	10 24	1 49	24 21	0 31	23 28	0 26	14 1	3 40	21 8	21 8	23 57		n.a.
S 5	11 22	14 8	5 0	9 0	0 8	11 49	0 15	23 59	1 20	2 55	1 5	10 26	1 49	24 21	0 31	23 28	0 26	14 2	3 40	21 11	21 9	23 58		n.a.
M 6	11 44	19 28	4 53	9 41	0 14	12 18	0 13	24 6	1 20	3 0	1 5	10 29	1 49	24 20	0 31	23 28	0 26	14 2	3 40	21 13	21 9	23 59		n.a.
T 7	12 6	23 32	4 25	10 22	0 21	12 46	0 11	24 11	1 20	3 6	1 5	10 31	1 49	24 20	0 31	23 28	0 26	14 3	3 40	21 15	21 10	24 0		n.a.
W 8	12 28	25 55	3 40	11 3	0 27	13 14	0 8	24 17	1 20	3 11	1 5	10 34	1 49	24 20	0 31	23 28	0 26	14 4	3 40	21 17	21 11	24 2		n.a.
T 9	12 49	26 26	2 40	11 43	0 33	13 42	0 6	24 23	1 20	3 16	1 5	10 37	1 49	24 20	0 31	23 28	0 26	14 4	3 40	21 18	21 11	24 3		n.a.
F 10	13 10	25 7	1 31	12 23	0 40	14 10	0 4	24 28	1 20	3 21	1 5	10 39	1 49	24 20	0 31	23 28	0 26	14 5	3 40	21 18	21 12	24 4		n.a.
S 11	13 31	22 16	0 19	13 2	0 46	14 37	0 1	24 32	1 20	3 26	1 5	10 41	1 48	24 20	0 31	23 28	0 26	14 6	3 39	21 19	21 13	24 5		n.a.
S 12	13 52	18 14	0n53	13 41	0 51	15 3	0s 1	24 37	1 20	3 31	1 5	10 44	1 48	24 20	0 31	23 28	0 26	14 6	3 39	21 19	21 13	24 7		n.a.
M13	14 13	13 25	1 59	14 19	0 57	15 30	0 3	24 41	1 20	3 36	1 5	10 46	1 48	24 20	0 31	23 28	0 26	14 7	3 39	21 19	21 14	24 8		n.a.
T 14	14 33	8 7	2 58	14 57	1 3	15 56	0 6	24 45	1 19	3 41	1 5	10 49	1 48	24 20	0 31	23 28	0 26	14 8	3 39	21 19	21 14	24 9		n.a.
W15	14 53	2 36	3 47	15 34	1 8	16 21	0 8	24 49	1 19	3 47	1 5	10 51	1 48	24 20	0 31	23 28	0 26	14 8	3 39	21 20	21 15	24 10		n.a.
T 16	15 12	2n54	4 24	16 10	1 14	16 46	0 11	24 52	1 19	3 52	1 5	10 54	1 48	24 20	0 31	23 28	0 26	14 9	3 39	21 21	21 16	24 11		n.a.
F 17	15 32	8 14	4 49	16 46	1 19	17 11	0 13	24 56	1 19	3 57	1 5	10 56	1 48	24 20	0 31	23 29	0 26	14 10	3 39	21 23	21 16	24 12		n.a.
S 18	15 51	13 11	5 0	17 21	1 24	17 35	0 15	24 58	1 19	4 1	1 5	10 59	1 48	24 19	0 31	23 29	0 26	14 11	3 39	21 26	21 17	24 14		n.a.
S 19	16 10	17 36	4 57	17 55	1 28	17 59	0 18	25 1	1 19	4 6	1 5	11 1	1 48	24 19	0 31	23 29	0 26	14 11	3 38	21 28	21 17	24 15		n.a.
M20	16 29	21 17	4 42	18 28	1 33	18 22	0 20	25 3	1 19	4 11	1 5	11 4	1 48	24 19	0 31	23 29	0 26	14 12	3 38	21 31	21 18	24 16		n.a.
T 21	16 47	24 5	4 14	19 1	1 37	18 45	0 22	25 5	1 19	4 16	1 5	11 6	1 48	24 19	0 31	23 29	0 26	14 13	3 38	21 33	21 19	24 17		n.a.
W22	17 5	25 48	3 36	19 32	1 41	19 7	0 24	25 7	1 18	4 21	1 5	11 8	1 48	24 19	0 31	23 29	0 26	14 13	3 38	21 35	21 19	24 18		n.a.
T 23	17 23	26 22	2 47	20 3	1 45	19 29	0 27	25 8	1 18	4 26	1 5	11 11	1 48	24 19	0 31	23 29	0 26	14 14	3 38	21 37	21 20	24 19		n.a.
F 24	17 40	25 43	1 52	20 32	1 48	19 50	0 29	25 9	1 18	4 31	1 5	11 13	1 48	24 19	0 31	23 29	0 26	14 15	3 38	21 38	21 21	24 20		n.a.
S 25	17 57	23 53	0 51	21 1	1 52	20 10	0 31	25 10	1 18	4 36	1 5	11 15	1 48	24 19	0 31	23 29	0 26	14 15	3 38	21 38	21 21	24 22		n.a.
S 26	18 14	20 55	0s14	21 28	1 54	20 30	0 34	25 11	1 18	4 40	1 5	11 18	1 48	24 19	0 31	23 29	0 26	14 16	3 38	21 38	21 22	24 23		n.a.
M27	18 30	16 59	1 19	21 54	1 57	20 50	0 36	25 11	1 17	4 45	1 5	11 20	1 48	24 18	0 31	23 30	0 26	14 17	3 38	21 38	21 22	24 24		n.a.
T 28	18 47	12 11	2 22	22 19	1 59	21 8	0 38	25 11	1 17	4 50	1 6	11 22	1 48	24 18	0 31	23 30	0 26	14 17	3 38	21 38	21 23	24 25		n.a.
W29	19 2	6 44	3 19	22 43	2 1	21 27	0 40	25 10	1 17	4 54	1 6	11 25	1 48	24 18	0 31	23 30	0 26	14 18	3 37	21 38	21 24	24 26		n.a.
T 30	19s18	0n48	4s 8	23s 5	2s 2	21s44	0s42	25s10	1s17	4s59	1n 6	11s27	1n48	24s18	0s31	23n30	0n26	14s19	3n37	21s39	21s24	24n27		n.a.

Julian Day Number = 1102263.5, Delta T = 11h01m30s
Ecliptic obliquity = 23°53'36, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'22, Lahiri = -27°20'21 Julian Calendar 1 Nov. 1696 BCE == Greg. Calendar 18 Oct. 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1696 BCE
geocentric

DECEMBER 1696 BCE (-1695) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 40 33	25♏41'24	2♎37	4♐20	3♐43	2♑20	15♎ 7	4♏16	5♑ 9	14°R43	19♏ 1	24°R19	25♑40	28♉47	n.a.	F 1
S 2	3 44 30	26°42'39	17° 7	6° 1	4°58	3° 6	15°19	4°23	5°12	14♋42	19° 3	24♑12	25°37	28°54	n.a.	S 2
S 3	3 48 26	27°43'54	2♏ 2	7°42	6°14	3°53	15°31	4°30	5°15	14°41	19° 5	24° 3	25°33	29° 1	n.a.	S 3
M 4	3 52 23	28°45'09	17°14	9°23	7°29	4°40	15°43	4°36	5°18	14°40	19° 7	23°54	25°30	29° 8	n.a.	M 4
T 5	3 56 20	29°46'23	2♐35	11° 3	8°44	5°26	15°54	4°43	5°21	14°39	19° 9	23°45	25°27	29°14	n.a.	T 5
W 6	4 0 16	0♐47'36	17°51	12°44	9°59	6°13	16° 5	4°49	5°24	14°38	19°11	23°39	25°24	29°21	n.a.	W 6
T 7	4 4 13	1°48'48	2♑52	14°25	11°14	6°59	16°17	4°56	5°27	14°36	19°14	23°35	25°21	29°28	n.a.	T 7
F 8	4 8 9	2°49'59	17°31	16° 4	12°30	7°46	16°28	5° 3	5°30	14°35	19°16	23°D33	25°18	29°34	n.a.	F 8
S 9	4 12 6	3°51'09	1♒43	17°44	13°45	8°33	16°39	5° 9	5°33	14°34	19°18	23°33	25°14	29°41	n.a.	S 9
S 10	4 16 2	4°52'18	15°27	19°22	15° 0	9°19	16°50	5°15	5°36	14°33	19°20	23°34	25°11	29°48	n.a.	S 10
M11	4 19 59	5°53'25	28°44	20°59	16°15	10° 6	17° 2	5°22	5°39	14°32	19°22	23°35	25° 8	29°54	n.a.	M11
T 12	4 23 56	6°54'31	11♓38	22°35	17°30	10°52	17°12	5°28	5°42	14°31	19°24	23°R35	25° 5	0♊ 1	n.a.	T 12
W13	4 27 52	7°55'36	24°12	24° 8	18°45	11°38	17°23	5°34	5°45	14°29	19°26	23°34	25° 2	0° 8	n.a.	W13
T 14	4 31 49	8°56'39	6♈30	25°39	20° 0	12°25	17°34	5°41	5°49	14°28	19°28	23°30	24°58	0°15	n.a.	T 14
F 15	4 35 45	9°57'41	18°38	27° 8	21°16	13°11	17°45	5°47	5°52	14°27	19°30	23°24	24°55	0°21	n.a.	F 15
S 16	4 39 42	10°58'42	0♉37	28°33	22°31	13°58	17°55	5°53	5°55	14°25	19°32	23°17	24°52	0°28	n.a.	S 16
S 17	4 43 38	11°59'41	12°31	29°54	23°46	14°44	18° 6	5°59	5°58	14°24	19°34	23° 9	24°49	0°35	n.a.	S 17
M18	4 47 35	13° 0'39	24°23	1♊10	25° 1	15°30	18°16	6° 5	6° 1	14°23	19°36	23° 1	24°46	0°41	n.a.	M18
T 19	4 51 31	14° 1'35	6♊14	2°20	26°16	16°16	18°26	6°11	6° 5	14°21	19°38	22°53	24°43	0°48	n.a.	T 19
W20	4 55 28	15° 2'31	18° 5	3°25	27°31	17° 3	18°37	6°17	6° 8	14°20	19°40	22°47	24°39	0°55	n.a.	W20
T 21	4 59 25	16° 3'25	29°59	4°22	28°46	17°49	18°47	6°23	6°11	14°19	19°42	22°43	24°36	1° 1	n.a.	T 21
F 22	5 3 21	17° 4'18	11♋59	5°12	0♑ 1	18°35	18°57	6°29	6°14	14°17	19°44	22°40	24°33	1° 8	n.a.	F 22
S 23	5 7 18	18° 5'09	24° 4	5°53	1°15	19°21	19° 7	6°35	6°18	14°16	19°46	22°D40	24°30	1°15	n.a.	S 23
S 24	5 11 14	19° 5'59	6♌19	6°25	2°30	20° 7	19°16	6°41	6°21	14°14	19°48	22°41	24°27	1°22	n.a.	S 24
M25	5 15 11	20° 6'48	18°46	6°47	3°45	20°53	19°26	6°47	6°24	14°13	19°50	22°42	24°24	1°28	n.a.	M25
T 26	5 19 7	21° 7'36	1♍29	6°58	5° 0	21°40	19°36	6°52	6°28	14°11	19°52	22°44	24°20	1°35	n.a.	T 26
W27	5 23 4	22° 8'22	14°31	6°R58	6°15	22°26	19°45	6°58	6°31	14°10	19°53	22°45	24°17	1°42	n.a.	W27
T 28	5 27 1	23° 9'07	27°55	6°48	7°30	23°12	19°54	7° 4	6°35	14° 8	19°55	22°R45	24°14	1°48	n.a.	T 28
F 29	5 30 57	24° 9'51	11♎44	6°27	8°45	23°58	20° 4	7° 9	6°38	14° 7	19°57	22°44	24°11	1°55	n.a.	F 29
S 30	5 34 54	25°10'34	25°58	5°55	9°59	24°43	20°13	7°15	6°41	14° 5	19°59	22°42	24° 8	2° 2	n.a.	S 30
S 31	5 38 50	26♐11'15	10♏35	5♑14	11♑14	25♑29	20♎22	7♏20	6♑45	14♋ 4	20♏ 1	22♑38	24♑ 4	2♊ 8	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s33	5s23	4s44	23s25	2s 3	22s 1	0s44	25s 9	1s17	5s 4	1n 6	11s29	1n48	24s18	0s31	23n30	0n26	14s19	3n37	21s40	21s25	24n28		n.a.
S 2	19 47	11 29	5 3	23 45	2 3	22 17	0 46	25 8	1 16	5 8	1 6	11 32	1 48	24 18	0 31	23 30	0 26	14 20	3 37	21 41	21 25	24 29		n.a.
S 3	20 2	17 7	5 2	24 2	2 3	22 33	0 48	25 6	1 16	5 13	1 6	11 34	1 48	24 18	0 31	23 30	0 27	14 21	3 37	21 42	21 26	24 30		n.a.
M 4	20 16	21 46	4 40	24 18	2 3	22 48	0 50	25 4	1 16	5 17	1 6	11 36	1 48	24 18	0 31	23 31	0 27	14 21	3 37	21 44	21 27	24 31		n.a.
T 5	20 29	24 58	3 58	24 32	2 2	23 2	0 52	25 2	1 16	5 22	1 6	11 38	1 48	24 17	0 31	23 31	0 27	14 22	3 37	21 46	21 27	24 32		n.a.
W 6	20 42	26 18	3 0	24 44	2 0	23 16	0 54	25 0	1 15	5 26	1 6	11 41	1 48	24 17	0 31	23 31	0 27	14 23	3 37	21 47	21 28	24 33		n.a.
T 7	20 55	25 40	1 49	24 55	1 58	23 29	0 56	24 57	1 15	5 30	1 6	11 43	1 48	24 17	0 31	23 31	0 27	14 23	3 37	21 47	21 28	24 34		n.a.
F 8	21 7	23 15	0 32	25 3	1 55	23 41	0 58	24 54	1 15	5 35	1 6	11 45	1 48	24 17	0 30	23 31	0 27	14 24	3 37	21 48	21 29	24 35		n.a.
S 9	21 19	19 27	0n44	25 9	1 51	23 52	1 0	24 51	1 15	5 39	1 6	11 47	1 48	24 17	0 30	23 31	0 27	14 25	3 37	21 48	21 29	24 36		n.a.
S 10	21 31	14 41	1 55	25 14	1 47	24 3	1 2	24 48	1 14	5 43	1 6	11 49	1 48	24 17	0 30	23 31	0 27	14 25	3 37	21 48	21 30	24 37		n.a.
M11	21 42	9 21	2 58	25 16	1 41	24 13	1 3	24 44	1 14	5 48	1 6	11 51	1 48	24 17	0 30	23 32	0 27	14 26	3 37	21 47	21 31	24 38		n.a.
T 12	21 52	3 48	3 50	25 16	1 35	24 22	1 5	24 40	1 14	5 52	1 6	11 53	1 49	24 16	0 30	23 32	0 27	14 26	3 36	21 47	21 31	24 39		n.a.
W13	22 3	1n46	4 29	25 14	1 28	24 31	1 7	24 35	1 13	5 56	1 6	11 56	1 49	24 16	0 30	23 32	0 27	14 27	3 36	21 48	21 32	24 40		n.a.
T 14	22 13	7 8	4 55	25 10	1 21	24 39	1 8	24 31	1 13	6 0	1 6	11 58	1 49	24 16	0 30	23 32	0 27	14 28	3 36	21 48	21 32	24 41		n.a.
F 15	22 22	12 9	5 7	25 4	1 12	24 46	1 10	24 26	1 13	6 4	1 7	12 0	1 49	24 16	0 30	23 32	0 27	14 28	3 36	21 49	21 33	24 42		n.a.
S 16	22 31	16 40	5 6	24 55	1 2	24 52	1 12	24 21	1 12	6 8	1 7	12 2	1 49	24 16	0 30	23 32	0 27	14 29	3 36	21 50	21 34	24 43		n.a.
S 17	22 39	20 30	4 51	24 45	0 52	24 57	1 13	24 15	1 12	6 12	1 7	12 4	1 49	24 16	0 30	23 33	0 27	14 29	3 36	21 52	21 34	24 44		n.a.
M18	22 47	23 29	4 24	24 33	0 40	25 2	1 14	24 10	1 12	6 16	1 7	12 6	1 49	24 16	0 30	23 33	0 27	14 30	3 36	21 53	21 35	24 45		n.a.
T 19	22 55	25 27	3 45	24 20	0 27	25 6	1 16	24 4	1 11	6 20	1 7	12 8	1 49	24 15	0 30	23 33	0 27	14 31	3 36	21 55	21 35	24 46		n.a.
W20	23 2	26 17	2 57	24 5	0 14	25 9	1 17	23 57	1 11	6 24	1 7	12 10	1 49	24 15	0 30	23 33	0 27	14 31	3 36	21 56	21 36	24 47		n.a.
T 21	23 9	25 54	2 0	23 48	0n 1	25 12	1 18	23 51	1 11	6 28	1 7	12 12	1 49	24 15	0 30	23 33	0 27	14 32	3 36	21 56	21 36	24 48		n.a.
F 22	23 15	24 18	0 58	23 31	0 16	25 13	1 20	23 44	1 10	6 31	1 7	12 14	1 49	24 15	0 30	23 33	0 27	14 32	3 36	21 57	21 37	24 49		n.a.
S 23	23 21	21 35	0s 8	23 13	0 33	25 14	1 21	23 37	1 10	6 35	1 7	12 15	1 49	24 15	0 30	23 34	0 27	14 33	3 36	21 57	21 38	24 50		n.a.
S 24	23 26	17 51	1 14	22 54	0 50	25 14	1 22	23 30	1 10	6 39	1 7	12 17	1 49	24 15	0 30	23 34	0 27	14 33	3 36	21 57	21 38	24 51		n.a.
M25	23 31	13 18	2 18	22 36	1 7	25 13	1 23	23 22	1 9	6 43	1 7	12 19	1 49	24 14	0 30	23 34	0 27	14 34	3 36	21 56	21 39	24 52		n.a.
T 26	23 35	8 6	3 17	22 17	1 25	25 11	1 24	23 15	1 9	6 46	1 7	12 21	1 49	24 14	0 30	23 34	0 27	14 35	3 36	21 56	21 39	24 53		n.a.
W27	23 39	2 26	4 7	21 59	1 43	25 9	1 25	23 7	1 8	6 50	1 8	12 23	1 49	24 14	0 30	23 34	0 27	14 35	3 36	21 56	21 40	24 54		n.a.
T 28	23 43	3s30	4 45	21 42	2 1	25 6	1 26	22 58	1 8	6 53	1 8	12 25	1 49	24 14	0 30	23 34	0 27	14 36	3 36	21 56	21 40	24 54		n.a.
F 29	23 46	9 26	5 8	21 25	2 19	25 2	1 26	22 50	1 8	6 57	1 8	12 26	1 49	24 14	0 30	23 35	0 27	14 36	3 36	21 56	21 41	24 55		n.a.
S 30	23 48	15 3	5 13	21 10	2 35	24 57	1 27	22 41	1 7	7 0	1 8	12 28	1 50	24 14	0 30	23 35	0 27	14 37	3 36	21 57	21 42	24 56		n.a.
S 31	23s50	19s59	4s59	20s56	2n51	24s52	1s28	22s32	1s 7	7s 3	1n 8	12s30	1n50	24s13	0s30	23n35	0n27	14s37	3n36	21s57	21s42	24n57		n.a.

Julian Day Number = 1102293.5, Delta T = 11h01m28s
Ecliptic obliquity = 23°53'35, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'18, Lahiri = -27°20'17 Julian Calendar 1 Dec. 1696 BCE == Greg. Calendar 17 Nov. 1696 BCE

The year -1695 astronomical counting style corresponds to year 1696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

JANUARY 1695 BCE (-1694) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 42 47	27♐11'55	25♏30	4°R25	12♑29	26♑15	20♎31	7♏25	6♑48	14°R 2	20♏ 3	22°R35	24♑ 1	2♊15	n.a.	M 1
T 2	5 46 43	28°12'33	10♐37	3♑28	13°44	27° 1	20°39	7°31	6°52	14♋ 0	20° 4	22♑31	23°58	2°22	n.a.	T 2
W 3	5 50 40	29°13'10	25°45	2°26	14°58	27°47	20°48	7°36	6°55	13°59	20° 6	22°28	23°55	2°28	n.a.	W 3
T 4	5 54 36	0♑13'45	10♑45	1°20	16°13	28°33	20°56	7°41	6°58	13°57	20° 8	22°27	23°52	2°35	n.a.	T 4
F 5	5 58 33	1°14'18	25°29	0°12	17°28	29°18	21° 5	7°46	7° 2	13°56	20°10	22°D27	23°49	2°42	n.a.	F 5
S 6	6 2 30	2°14'50	9♒50	29♐ 4	18°43	0♒ 4	21°13	7°51	7° 5	13°54	20°11	22°27	23°45	2°49	n.a.	S 6
S 7	6 6 26	3°15'19	23°45	27°57	19°57	0°50	21°21	7°56	7° 9	13°52	20°13	22°29	23°42	2°55	n.a.	S 7
M 8	6 10 23	4°15'46	7♓13	26°53	21°12	1°35	21°29	8° 1	7°12	13°51	20°15	22°30	23°39	3° 2	n.a.	M 8
T 9	6 14 19	5°16'11	20°15	25°53	22°26	2°21	21°37	8° 6	7°16	13°49	20°16	22°31	23°36	3° 9	n.a.	T 9
W10	6 18 16	6°16'34	2♈54	24°59	23°41	3° 6	21°45	8°11	7°19	13°47	20°18	22°R32	23°33	3°15	n.a.	W10
T 11	6 22 12	7°16'55	15°15	24°11	24°55	3°52	21°52	8°15	7°22	13°46	20°19	22°32	23°30	3°22	n.a.	T 11
F 12	6 26 9	8°17'13	27°22	23°30	26°10	4°37	22° 0	8°20	7°26	13°44	20°21	22°31	23°26	3°29	n.a.	F 12
S 13	6 30 5	9°17'29	9♉19	22°56	27°24	5°23	22° 7	8°25	7°29	13°42	20°23	22°29	23°23	3°35	n.a.	S 13
S 14	6 34 2	10°17'44	21°10	22°30	28°39	6° 8	22°14	8°29	7°33	13°41	20°24	22°27	23°20	3°42	n.a.	S 14
M15	6 37 59	11°17'56	3♊ 0	22°10	29°53	6°53	22°21	8°33	7°36	13°39	20°26	22°26	23°17	3°49	n.a.	M15
T 16	6 41 55	12°18'06	14°51	21°58	1♒ 8	7°39	22°28	8°38	7°40	13°37	20°27	22°24	23°14	3°56	n.a.	T 16
W17	6 45 52	13°18'13	26°46	21°D53	2°22	8°24	22°34	8°42	7°43	13°36	20°29	22°23	23°10	4° 2	n.a.	W17
T 18	6 49 48	14°18'19	8♋48	21°54	3°36	9° 9	22°41	8°46	7°47	13°34	20°30	22°22	23° 7	4° 9	n.a.	T 18
F 19	6 53 45	15°18'23	20°58	22° 2	4°51	9°54	22°47	8°50	7°50	13°32	20°31	22°D22	23° 4	4°16	n.a.	F 19
S 20	6 57 41	16°18'24	3♌17	22°16	6° 5	10°39	22°54	8°54	7°53	13°31	20°33	22°22	23° 1	4°22	n.a.	S 20
S 21	7 1 38	17°18'24	15°48	22°35	7°19	11°24	23° 0	8°58	7°57	13°29	20°34	22°22	22°58	4°29	n.a.	S 21
M22	7 5 34	18°18'22	28°31	22°59	8°33	12° 9	23° 6	9° 2	8° 0	13°27	20°36	22°23	22°55	4°36	n.a.	M22
T 23	7 9 31	19°18'17	11♍28	23°29	9°47	12°54	23°11	9° 6	8° 4	13°26	20°37	22°23	22°51	4°42	n.a.	T 23
W24	7 13 28	20°18'11	24°40	24° 3	11° 2	13°39	23°17	9°10	8° 7	13°24	20°38	22°24	22°48	4°49	n.a.	W24
T 25	7 17 24	21°18'03	8♎ 8	24°41	12°16	14°24	23°23	9°13	8°10	13°22	20°39	22°24	22°45	4°56	n.a.	T 25
F 26	7 21 21	22°17'53	21°54	25°23	13°30	15° 9	23°28	9°17	8°14	13°21	20°41	22°24	22°42	5° 2	n.a.	F 26
S 27	7 25 17	23°17'41	5♏57	26° 9	14°44	15°54	23°33	9°20	8°17	13°19	20°42	22°24	22°39	5° 9	n.a.	S 27
S 28	7 29 14	24°17'28	20°15	26°58	15°58	16°39	23°38	9°24	8°21	13°17	20°43	22°24	22°36	5°16	n.a.	S 28
M29	7 33 10	25°17'13	4♐47	27°51	17°12	17°23	23°43	9°27	8°24	13°16	20°44	22°24	22°32	5°22	n.a.	M29
T 30	7 37 7	26°16'55	19°29	28°47	18°26	18° 8	23°47	9°30	8°27	13°14	20°45	22°24	22°29	5°29	n.a.	T 30
W31	7 41 3	27♑16'36	4♑13	29♐45	19♒40	18♒53	23♎52	9♏33	8♑31	13♋13	20♏46	22♑25	22♑26	5♊36	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23s52	23s45	4s24	20s43	3n 6	24s46	1s28	22s23	1s 6	7s 7	1n 8	12s31	1n50	24s13	0s30	23n35	0n27	14s38	3n36	21s58	21s43	24n58		n.a.
T 2	23 53	25 56	3 30	20 32	3 19	24 39	1 29	22 14	1 6	7 10	1 8	12 33	1 50	24 13	0 30	23 35	0 27	14 38	3 36	21 58	21 43	24 59		n.a.
W 3	23 53	26 11	2 22	20 23	3 30	24 31	1 29	22 4	1 6	7 13	1 8	12 35	1 50	24 13	0 30	23 36	0 27	14 39	3 35	21 59	21 44	25 0		n.a.
T 4	23 54	24 31	1 4	20 15	3 38	24 22	1 30	21 54	1 5	7 16	1 8	12 36	1 50	24 13	0 30	23 36	0 27	14 39	3 35	21 59	21 44	25 0		n.a.
F 5	23 53	21 10	0n17	20 9	3 45	24 13	1 30	21 44	1 5	7 19	1 8	12 38	1 50	24 13	0 30	23 36	0 27	14 40	3 35	21 59	21 45	25 1		n.a.
S 6	23 52	16 36	1 35	20 4	3 49	24 3	1 30	21 34	1 4	7 22	1 9	12 40	1 50	24 12	0 30	23 36	0 27	14 40	3 35	21 59	21 46	25 2		n.a.
S 7	23 51	11 17	2 44	20 1	3 51	23 52	1 31	21 23	1 4	7 25	1 9	12 41	1 50	24 12	0 30	23 36	0 27	14 41	3 35	21 59	21 46	25 3		n.a.
M 8	23 49	5 35	3 43	20 0	3 51	23 41	1 31	21 13	1 3	7 28	1 9	12 43	1 50	24 12	0 30	23 37	0 27	14 41	3 35	21 58	21 47	25 4		n.a.
T 9	23 47	0n 9	4 27	20 1	3 49	23 29	1 31	21 2	1 3	7 31	1 9	12 44	1 50	24 12	0 30	23 37	0 27	14 42	3 35	21 58	21 47	25 5		n.a.
W10	23 44	5 43	4 58	20 3	3 45	23 16	1 31	20 51	1 2	7 34	1 9	12 46	1 50	24 12	0 30	23 37	0 27	14 42	3 35	21 58	21 48	25 5		n.a.
T 11	23 41	10 55	5 14	20 7	3 39	23 2	1 31	20 39	1 2	7 37	1 9	12 47	1 51	24 11	0 30	23 37	0 27	14 43	3 35	21 58	21 48	25 6		n.a.
F 12	23 38	15 36	5 15	20 12	3 32	22 48	1 31	20 28	1 2	7 39	1 9	12 48	1 51	24 11	0 30	23 37	0 27	14 43	3 35	21 58	21 49	25 7		n.a.
S 13	23 34	19 38	5 3	20 19	3 23	22 33	1 30	20 16	1 1	7 42	1 9	12 50	1 51	24 11	0 30	23 38	0 27	14 43	3 35	21 59	21 49	25 8		n.a.
S 14	23 29	22 51	4 38	20 27	3 14	22 17	1 30	20 4	1 1	7 45	1 10	12 51	1 51	24 11	0 30	23 38	0 27	14 44	3 35	21 59	21 50	25 8		n.a.
M15	23 24	25 5	4 1	20 37	3 3	22 1	1 30	19 52	1 0	7 47	1 10	12 52	1 51	24 11	0 30	23 38	0 27	14 44	3 35	21 59	21 51	25 9		n.a.
T 16	23 19	26 13	3 13	20 47	2 52	21 44	1 29	19 40	1 0	7 50	1 10	12 54	1 51	24 10	0 30	23 38	0 27	14 45	3 35	21 59	21 51	25 10		n.a.
W17	23 13	26 8	2 17	20 58	2 40	21 27	1 29	19 27	0 59	7 52	1 10	12 55	1 51	24 10	0 31	23 38	0 27	14 45	3 35	22 0	21 52	25 11		n.a.
T 18	23 6	24 50	1 15	21 10	2 29	21 9	1 28	19 15	0 59	7 54	1 10	12 56	1 51	24 10	0 31	23 38	0 27	14 45	3 35	22 0	21 52	25 11		n.a.
F 19	23 0	22 21	0 8	21 23	2 16	20 50	1 28	19 2	0 58	7 57	1 10	12 58	1 51	24 10	0 31	23 39	0 27	14 46	3 35	22 0	21 53	25 12		n.a.
S 20	22 53	18 49	1s 0	21 36	2 4	20 31	1 27	18 49	0 58	7 59	1 10	12 59	1 51	24 10	0 31	23 39	0 27	14 46	3 35	22 0	21 53	25 13		n.a.
S 21	22 45	14 24	2 6	21 49	1 52	20 11	1 26	18 36	0 57	8 1	1 10	13 0	1 52	24 9	0 31	23 39	0 27	14 47	3 35	22 0	21 54	25 14		n.a.
M22	22 37	9 17	3 8	22 3	1 40	19 50	1 26	18 23	0 57	8 3	1 11	13 1	1 52	24 9	0 31	23 39	0 27	14 47	3 35	22 0	21 54	25 14		n.a.
T 23	22 28	3 42	4 0	22 16	1 27	19 29	1 25	18 9	0 56	8 5	1 11	13 2	1 52	24 9	0 31	23 39	0 27	14 47	3 35	22 0	21 55	25 15		n.a.
W24	22 19	2s 8	4 41	22 30	1 15	19 8	1 24	17 56	0 56	8 7	1 11	13 3	1 52	24 9	0 31	23 40	0 27	14 48	3 35	22 0	21 55	25 16		n.a.
T 25	22 10	7 59	5 8	22 44	1 4	18 46	1 23	17 42	0 55	8 9	1 11	13 4	1 52	24 9	0 31	23 40	0 27	14 48	3 35	22 0	21 56	25 16		n.a.
F 26	22 0	13 35	5 17	22 57	0 52	18 23	1 22	17 28	0 55	8 11	1 11	13 5	1 52	24 8	0 31	23 40	0 27	14 48	3 35	22 0	21 56	25 17		n.a.
S 27	21 50	18 35	5 9	23 10	0 40	18 0	1 21	17 14	0 54	8 13	1 11	13 6	1 52	24 8	0 31	23 40	0 28	14 49	3 35	22 0	21 57	25 18		n.a.
S 28	21 40	22 39	4 41	23 22	0 29	17 37	1 19	17 0	0 54	8 14	1 11	13 7	1 52	24 8	0 31	23 40	0 28	14 49	3 35	22 0	21 58	25 18		n.a.
M29	21 29	25 20	3 55	23 34	0 19	17 13	1 18	16 45	0 53	8 16	1 11	13 8	1 53	24 8	0 31	23 40	0 28	14 49	3 35	21 59	21 58	25 19		n.a.
T 30	21 18	26 20	2 53	23 45	0 8	16 48	1 17	16 31	0 53	8 18	1 12	13 9	1 53	24 8	0 31	23 41	0 28	14 49	3 35	21 59	21 59	25 20		n.a.
W31	21s 6	25s29	1s39	23s56	0s 2	16s23	1s15	16s16	0s52	8s19	1n12	13s10	1n53	24s 7	0s31	23n41	0n28	14s50	3n35	21s59	21s59	25n20		n.a.

Julian Day Number = 1102324.5, Delta T = 11h01m26s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'13, Lahiri = -27°20'13 Julian Calendar 1 Jan. 1695 BCE == Greg. Calendar 18 Dec. 1696 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

FEBRUARY 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 45 0	28♉16'15	18♉55	0♉46	20♒53	19♒37	23♎56	9♏36	8♉34	13°R11	20♏47	22°R25	22♉23	5♊43	n.a.	T 1
F 2	7 48 57	29°15'52	3♒26	1°50	22° 7	20°22	24° 0	9°39	8°37	13♋ 9	20°48	22♉25	22°20	5°49	n.a.	F 2
S 3	7 52 53	0♒15'26	17°41	2°56	23°21	21° 6	24° 4	9°42	8°40	13° 8	20°50	22°24	22°16	5°56	n.a.	S 3
S 4	7 56 50	1°14'58	1♓36	4° 5	24°35	21°51	24° 8	9°45	8°44	13° 6	20°50	22°23	22°13	6° 3	n.a.	S 4
M 5	8 0 46	2°14'28	15° 7	5°15	25°49	22°35	24°12	9°47	8°47	13° 5	20°51	22°22	22°10	6° 9	n.a.	M 5
T 6	8 4 43	3°13'55	28°15	6°28	27° 2	23°19	24°15	9°50	8°50	13° 3	20°52	22°21	22° 7	6°16	n.a.	T 6
W 7	8 8 39	4°13'19	11♈ 0	7°42	28°16	24° 4	24°18	9°53	8°53	13° 2	20°53	22°20	22° 4	6°23	n.a.	W 7
T 8	8 12 36	5°12'42	23°25	8°59	29°29	24°48	24°21	9°55	8°56	13° 0	20°54	22°19	22° 1	6°29	n.a.	T 8
F 9	8 16 32	6°12'02	5♉34	10°17	0♓43	25°32	24°24	9°57	9° 0	12°58	20°55	22°D18	21°57	6°36	n.a.	F 9
S 10	8 20 29	7°11'19	17°33	11°37	1°57	26°16	24°27	9°59	9° 3	12°57	20°56	22°19	21°54	6°43	n.a.	S 10
S 11	8 24 25	8°10'34	29°24	12°59	3°10	27° 0	24°30	10° 2	9° 6	12°55	20°57	22°20	21°51	6°49	n.a.	S 11
M12	8 28 22	9° 9'46	11♊14	14°22	4°23	27°44	24°32	10° 4	9° 9	12°54	20°57	22°21	21°48	6°56	n.a.	M12
T 13	8 32 19	10° 8'57	23° 7	15°47	5°37	28°28	24°34	10° 5	9°12	12°53	20°58	22°22	21°45	7° 3	n.a.	T 13
W14	8 36 15	11° 8'04	5♋ 6	17°14	6°50	29°12	24°36	10° 7	9°15	12°51	20°59	22°24	21°42	7° 9	n.a.	W14
T 15	8 40 12	12° 7'10	17°15	18°42	8° 3	29°56	24°38	10° 9	9°18	12°50	20°59	22°R25	21°38	7°16	n.a.	T 15
F 16	8 44 8	13° 6'13	29°36	20°11	9°17	0♓40	24°39	10°11	9°21	12°48	21° 0	22°24	21°35	7°23	n.a.	F 16
S 17	8 48 5	14° 5'13	12♌12	21°43	10°30	1°24	24°41	10°12	9°24	12°47	21° 1	22°23	21°32	7°30	n.a.	S 17
S 18	8 52 1	15° 4'12	25° 3	23°15	11°43	2° 8	24°42	10°14	9°27	12°46	21° 1	22°21	21°29	7°36	n.a.	S 18
M19	8 55 58	16° 3'08	8♍ 9	24°49	12°56	2°51	24°43	10°15	9°30	12°44	21° 2	22°18	21°26	7°43	n.a.	M19
T 20	8 59 54	17° 2'02	21°29	26°25	14° 9	3°35	24°44	10°16	9°33	12°43	21° 2	22°14	21°22	7°50	n.a.	T 20
W21	9 3 51	18° 0'54	5♎ 2	28° 2	15°22	4°18	24°45	10°17	9°36	12°42	21° 3	22°10	21°19	7°56	n.a.	W21
T 22	9 7 47	18°59'45	18°46	29°41	16°35	5° 2	24°45	10°19	9°39	12°40	21° 3	22° 7	21°16	8° 3	n.a.	T 22
F 23	9 11 44	19°58'33	2♏41	1♒21	17°48	5°46	24°46	10°20	9°42	12°39	21° 4	22° 5	21°13	8°10	n.a.	F 23
S 24	9 15 41	20°57'20	16°44	3° 2	19° 1	6°29	24°R46	10°20	9°44	12°38	21° 4	22°D 4	21°10	8°16	n.a.	S 24
S 25	9 19 37	21°56'04	0♐54	4°45	20°13	7°12	24°46	10°21	9°47	12°37	21° 4	22° 4	21° 7	8°23	n.a.	S 25
M26	9 23 34	22°54'47	15° 8	6°30	21°26	7°56	24°45	10°22	9°50	12°35	21° 5	22° 5	21° 3	8°30	n.a.	M26
T 27	9 27 30	23°53'29	29°26	8°16	22°39	8°39	24°45	10°22	9°53	12°34	21° 5	22° 7	21° 0	8°36	n.a.	T 27
W28	9 31 27	24♒52'08	13♉43	10♒ 3	23♓51	9♓22	24♎44	10♏23	9♉55	12♋33	21♏ 5	22♉ 8	20♉57	8♊43	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s54	22s51	0s19	24s 6	0s12	15s58	1s14	16s 2	0s52	8s21	1n12	13s11	1n53	24s 7	0s31	23n41	0n28	14s50	3n35	21s59	22s 0	25n21		n.a.
F 2	20 41	18 46	1n 1	24 14	0 22	15 32	1 12	15 47	0 51	8 22	1 12	13 12	1 53	24 7	0 31	23 41	0 28	14 50	3 35	21 59	22 0	25 22		n.a.
S 3	20 29	13 40	2 16	24 22	0 31	15 6	1 11	15 32	0 50	8 24	1 12	13 12	1 53	24 7	0 31	23 41	0 28	14 51	3 35	21 59	22 1	25 22		n.a.
S 4	20 16	7 59	3 21	24 29	0 40	14 40	1 9	15 17	0 50	8 25	1 12	13 13	1 53	24 7	0 31	23 41	0 28	14 51	3 35	22 0	22 1	25 23		n.a.
M 5	20 2	2 6	4 12	24 35	0 48	14 13	1 7	15 1	0 49	8 26	1 12	13 14	1 53	24 6	0 31	23 42	0 28	14 51	3 35	22 0	22 2	25 23		n.a.
T 6	19 48	3n42	4 49	24 40	0 56	13 45	1 6	14 46	0 49	8 27	1 13	13 15	1 54	24 6	0 31	23 42	0 28	14 51	3 35	22 0	22 2	25 24		n.a.
W 7	19 34	9 10	5 10	24 44	1 4	13 18	1 4	14 31	0 48	8 28	1 13	13 15	1 54	24 6	0 31	23 42	0 28	14 52	3 35	22 0	22 3	25 25		n.a.
T 8	19 19	14 9	5 17	24 46	1 12	12 50	1 2	14 15	0 48	8 29	1 13	13 16	1 54	24 6	0 31	23 42	0 28	14 52	3 35	22 0	22 3	25 25		n.a.
F 9	19 5	18 27	5 8	24 47	1 19	12 21	1 0	13 59	0 47	8 30	1 13	13 17	1 54	24 6	0 31	23 42	0 28	14 52	3 35	22 0	22 4	25 26		n.a.
S 10	18 49	21 57	4 47	24 47	1 25	11 53	0 58	13 44	0 47	8 31	1 13	13 17	1 54	24 5	0 31	23 42	0 28	14 52	3 35	22 0	22 4	25 26		n.a.
S 11	18 34	24 31	4 13	24 46	1 31	11 24	0 56	13 28	0 46	8 32	1 13	13 18	1 54	24 5	0 31	23 43	0 28	14 52	3 35	22 0	22 5	25 27		n.a.
M12	18 18	25 59	3 28	24 43	1 37	10 55	0 54	13 12	0 46	8 33	1 13	13 18	1 54	24 5	0 31	23 43	0 28	14 53	3 35	22 0	22 5	25 28		n.a.
T 13	18 2	26 17	2 35	24 38	1 43	10 25	0 52	12 56	0 45	8 33	1 14	13 19	1 54	24 5	0 31	23 43	0 28	14 53	3 35	22 0	22 6	25 28		n.a.
W14	17 46	25 22	1 34	24 32	1 47	9 56	0 49	12 40	0 44	8 34	1 14	13 19	1 55	24 5	0 31	23 43	0 28	14 53	3 35	22 0	22 6	25 29		n.a.
T 15	17 29	23 14	0 28	24 25	1 52	9 26	0 47	12 23	0 44	8 35	1 14	13 20	1 55	24 4	0 31	23 43	0 28	14 53	3 35	21 59	22 7	25 29		n.a.
F 16	17 12	19 58	0s40	24 15	1 56	8 56	0 45	12 7	0 43	8 35	1 14	13 20	1 55	24 4	0 31	23 43	0 28	14 53	3 35	21 59	22 7	25 30		n.a.
S 17	16 55	15 45	1 47	24 4	2 0	8 25	0 42	11 51	0 43	8 35	1 14	13 20	1 55	24 4	0 31	23 43	0 28	14 53	3 35	22 0	22 8	25 30		n.a.
S 18	16 37	10 45	2 50	23 52	2 3	7 55	0 40	11 34	0 42	8 36	1 14	13 21	1 55	24 4	0 31	23 44	0 28	14 54	3 35	22 0	22 8	25 31		n.a.
M19	16 20	5 12	3 46	23 38	2 6	7 24	0 37	11 18	0 42	8 36	1 14	13 21	1 55	24 4	0 31	23 44	0 28	14 54	3 35	22 0	22 9	25 31		n.a.
T 20	16 1	0s41	4 30	23 22	2 8	6 53	0 35	11 1	0 41	8 36	1 15	13 21	1 55	24 3	0 31	23 44	0 28	14 54	3 35	22 1	22 10	25 32		n.a.
W21	15 43	6 36	5 0	23 4	2 10	6 22	0 32	10 44	0 41	8 36	1 15	13 22	1 56	24 3	0 31	23 44	0 28	14 54	3 35	22 2	22 10	25 32		n.a.
T 22	15 25	12 18	5 13	22 45	2 11	5 51	0 30	10 28	0 40	8 36	1 15	13 22	1 56	24 3	0 31	23 44	0 28	14 54	3 35	22 2	22 11	25 33		n.a.
F 23	15 6	17 26	5 8	22 23	2 12	5 20	0 27	10 11	0 39	8 36	1 15	13 22	1 56	24 3	0 31	23 44	0 28	14 54	3 35	22 3	22 11	25 33		n.a.
S 24	14 47	21 42	4 45	22 0	2 13	4 48	0 24	9 54	0 39	8 36	1 15	13 22	1 56	24 3	0 31	23 44	0 28	14 54	3 35	22 3	22 12	25 34		n.a.
S 25	14 28	24 42	4 5	21 35	2 13	4 17	0 22	9 37	0 38	8 36	1 15	13 22	1 56	24 2	0 31	23 45	0 28	14 54	3 35	22 3	22 12	25 34		n.a.
M26	14 8	26 10	3 9	21 8	2 12	3 45	0 19	9 20	0 38	8 36	1 15	13 22	1 56	24 2	0 31	23 45	0 28	14 54	3 35	22 3	22 13	25 35		n.a.
T 27	13 49	25 55	2 1	20 39	2 11	3 13	0 16	9 3	0 37	8 36	1 15	13 22	1 56	24 2	0 31	23 45	0 28	14 54	3 35	22 2	22 13	25 35		n.a.
W28	13s29	23s56	0s46	20s 8	2s 9	2s41	0s13	8s46	0s36	8s35	1n16	13s22	1n57	24s 2	0s31	23n45	0n28	14s54	3n36	22s 2	22s14	25n35		n.a.

Julian Day Number = 1102355.5, Delta T = 11h01m24s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'09, Lahiri = -27°20'09 Julian Calendar 1 Feb. 1695 BCE == Greg. Calendar 18 Jan. 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

MARCH 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 35 23	25♒50'45	27♉57	11♒52	25♓ 4	10♓ 6	24°R44	10♏23	9♉58	12°R32	21♏ 5	22°R 8	20♉54	8♊50	n.a.	T 1
F 2	9 39 20	26°49'21	12♒ 4	13°43	26°16	10°49	24♎42	10°24	10° 1	12♋31	21° 6	22♉ 6	20°51	8°56	n.a.	F 2
S 3	9 43 16	27°47'54	26° 0	15°35	27°29	11°32	24°41	10°24	10° 3	12°30	21° 6	22° 3	20°48	9° 3	n.a.	S 3
S 4	9 47 13	28°46'25	9♓41	17°29	28°41	12°15	24°40	10°R24	10° 6	12°29	21° 6	21°58	20°44	9°10	n.a.	S 4
M 5	9 51 9	29°44'55	23° 4	19°24	29°54	12°58	24°38	10°24	10° 8	12°28	21° 6	21°52	20°41	9°16	n.a.	M 5
T 6	9 55 6	0♓43'21	6♈ 8	21°21	1♈ 6	13°41	24°37	10°24	10°11	12°27	21° 6	21°46	20°38	9°23	n.a.	T 6
W 7	9 59 3	1°41'46	18°52	23°19	2°18	14°24	24°35	10°24	10°13	12°26	21° 6	21°39	20°35	9°30	n.a.	W 7
T 8	10 2 59	2°40'09	1♉18	25°19	3°30	15° 7	24°33	10°23	10°16	12°25	21°R 6	21°34	20°32	9°36	n.a.	T 8
F 9	10 6 56	3°38'29	13°29	27°20	4°42	15°50	24°30	10°23	10°18	12°24	21° 6	21°30	20°28	9°43	n.a.	F 9
S 10	10 10 52	4°36'47	25°28	29°22	5°55	16°32	24°28	10°22	10°20	12°23	21° 6	21°28	20°25	9°50	n.a.	S 10
S 11	10 14 49	5°35'03	7♊20	1♓26	7° 6	17°15	24°25	10°22	10°23	12°22	21° 6	21°D27	20°22	9°57	n.a.	S 11
M12	10 18 45	6°33'17	19°10	3°31	8°18	17°58	24°22	10°21	10°25	12°21	21° 6	21°28	20°19	10° 3	n.a.	M12
T 13	10 22 42	7°31'29	1♋ 3	5°37	9°30	18°40	24°19	10°20	10°27	12°20	21° 6	21°30	20°16	10°10	n.a.	T 13
W14	10 26 38	8°29'38	13° 5	7°44	10°42	19°23	24°16	10°19	10°29	12°20	21° 6	21°31	20°13	10°17	n.a.	W14
T 15	10 30 35	9°27'46	25°19	9°52	11°54	20° 5	24°13	10°18	10°31	12°19	21° 5	21°R31	20° 9	10°23	n.a.	T 15
F 16	10 34 31	10°25'51	7♌49	12° 0	13° 5	20°48	24° 9	10°17	10°34	12°18	21° 5	21°30	20° 6	10°30	n.a.	F 16
S 17	10 38 28	11°23'54	20°39	14° 9	14°17	21°30	24° 5	10°16	10°36	12°17	21° 5	21°26	20° 3	10°37	n.a.	S 17
S 18	10 42 25	12°21'56	3♍48	16°17	15°28	22°13	24° 2	10°15	10°38	12°17	21° 5	21°21	20° 0	10°43	n.a.	S 18
M19	10 46 21	13°19'55	17°17	18°26	16°40	22°55	23°58	10°14	10°40	12°16	21° 4	21°13	19°57	10°50	n.a.	M19
T 20	10 50 18	14°17'52	1♎ 4	20°34	17°51	23°37	23°53	10°12	10°42	12°16	21° 4	21° 5	19°53	10°57	n.a.	T 20
W21	10 54 14	15°15'48	15° 4	22°42	19° 2	24°20	23°49	10°11	10°44	12°15	21° 4	20°56	19°50	11° 3	n.a.	W21
T 22	10 58 11	16°13'43	29°13	24°48	20°14	25° 2	23°45	10° 9	10°45	12°14	21° 3	20°48	19°47	11°10	n.a.	T 22
F 23	11 2 7	17°11'36	13♏28	26°53	21°25	25°44	23°40	10° 7	10°47	12°14	21° 3	20°42	19°44	11°17	n.a.	F 23
S 24	11 6 4	18° 9'27	27°43	28°57	22°36	26°26	23°35	10° 6	10°49	12°13	21° 2	20°38	19°41	11°23	n.a.	S 24
S 25	11 10 0	19° 7'17	11♐56	0♈58	23°47	27° 8	23°30	10° 4	10°51	12°13	21° 2	20°36	19°38	11°30	n.a.	S 25
M26	11 13 57	20° 5'06	26° 4	2°58	24°58	27°50	23°25	10° 2	10°53	12°13	21° 1	20°D36	19°34	11°37	n.a.	M26
T 27	11 17 54	21° 2'54	10♑ 7	4°55	26° 8	28°32	23°20	10° 0	10°54	12°12	21° 1	20°37	19°31	11°43	n.a.	T 27
W28	11 21 50	22° 0'40	24° 4	6°49	27°19	29°14	23°14	9°58	10°56	12°12	21° 0	20°R37	19°28	11°50	n.a.	W28
T 29	11 25 47	22°58'25	7♒53	8°41	28°30	29°56	23° 9	9°55	10°57	12°11	21° 0	20°36	19°25	11°57	n.a.	T 29
F 30	11 29 43	23°56'08	21°34	10°30	29°40	0♈38	23° 3	9°53	10°59	12°11	20°59	20°32	19°22	12° 3	n.a.	F 30
S 31	11 33 40	24♓53'50	5♓ 5	12♈15	0♉51	1♈19	22♎57	9♏51	11♑ 0	12♋11	20♏58	20♑26	19♑19	12♊10	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	13s 9	20s27	0n32	19s35	2s 7	2s 9	0s11	8s29	0s36	8s35	1n16	13s22	1n57	24s 2	0s31	23n45	0n28	14s54	3n36	22s 2	22s14	25n36			n.a.
F 2	12 48	15 48	1 47	19 0	2 4	1 37	0 8	8 12	0 35	8 34	1 16	13 22	1 57	24 2	0 31	23 45	0 28	14 55	3 36	22 2	22 15	25 36			n.a.
S 3	12 28	10 22	2 54	18 23	2 1	1 5	0 5	7 54	0 35	8 34	1 16	13 22	1 57	24 1	0 31	23 45	0 28	14 55	3 36	22 3	22 15	25 37			n.a.
S 4	12 7	4 32	3 50	17 45	1 57	0 33	0 2	7 37	0 34	8 33	1 16	13 22	1 57	24 1	0 31	23 45	0 28	14 55	3 36	22 4	22 16	25 37			n.a.
M 5	11 46	1n21	4 32	17 4	1 53	0 1	0n 1	7 20	0 34	8 33	1 16	13 22	1 57	24 1	0 31	23 45	0 28	14 55	3 36	22 5	22 16	25 38			n.a.
T 6	11 25	7 2	4 59	16 21	1 48	0n31	0 4	7 2	0 33	8 32	1 16	13 22	1 57	24 1	0 31	23 45	0 28	14 55	3 36	22 6	22 16	25 38			n.a.
W 7	11 4	12 17	5 10	15 37	1 43	1 3	0 7	6 45	0 32	8 31	1 16	13 22	1 57	24 1	0 31	23 46	0 28	14 55	3 36	22 7	22 17	25 38			n.a.
T 8	10 43	16 54	5 6	14 50	1 37	1 35	0 10	6 28	0 32	8 30	1 17	13 21	1 58	24 1	0 31	23 46	0 28	14 55	3 36	22 8	22 17	25 39			n.a.
F 9	10 22	20 44	4 48	14 2	1 30	2 6	0 13	6 10	0 31	8 29	1 17	13 21	1 58	24 0	0 31	23 46	0 28	14 55	3 36	22 8	22 18	25 39			n.a.
S 10	10 0	23 39	4 17	13 12	1 23	2 38	0 16	5 53	0 31	8 28	1 17	13 21	1 58	24 0	0 31	23 46	0 28	14 55	3 36	22 9	22 18	25 40			n.a.
S 11	9 38	25 30	3 36	12 20	1 15	3 10	0 19	5 35	0 30	8 27	1 17	13 21	1 58	24 0	0 31	23 46	0 28	14 55	3 36	22 9	22 19	25 40			n.a.
M12	9 16	26 12	2 46	11 27	1 7	3 42	0 22	5 18	0 29	8 26	1 17	13 20	1 58	24 0	0 32	23 46	0 28	14 54	3 36	22 9	22 19	25 40			n.a.
T 13	8 54	25 42	1 48	10 32	0 59	4 14	0 26	5 0	0 29	8 25	1 17	13 20	1 58	24 0	0 32	23 46	0 28	14 54	3 36	22 8	22 20	25 41			n.a.
W14	8 32	23 59	0 45	9 36	0 50	4 45	0 29	4 43	0 28	8 23	1 17	13 20	1 58	24 0	0 32	23 46	0 28	14 54	3 36	22 8	22 20	25 41			n.a.
T 15	8 10	21 8	0s21	8 38	0 40	5 17	0 32	4 25	0 28	8 22	1 17	13 19	1 58	23 59	0 32	23 46	0 28	14 54	3 36	22 8	22 21	25 41			n.a.
F 16	7 48	17 16	1 27	7 39	0 30	5 48	0 35	4 8	0 27	8 21	1 17	13 19	1 59	23 59	0 32	23 46	0 28	14 54	3 36	22 8	22 21	25 42			n.a.
S 17	7 25	12 31	2 30	6 40	0 20	6 19	0 38	3 50	0 27	8 19	1 17	13 18	1 59	23 59	0 32	23 46	0 28	14 54	3 36	22 9	22 22	25 42			n.a.
S 18	7 3	7 5	3 27	5 39	0 10	6 50	0 41	3 32	0 26	8 18	1 17	13 18	1 59	23 59	0 32	23 46	0 28	14 54	3 36	22 10	22 22	25 42			n.a.
M19	6 40	1 13	4 14	4 39	0n 1	7 21	0 44	3 15	0 25	8 16	1 18	13 17	1 59	23 59	0 32	23 46	0 28	14 54	3 36	22 11	22 23	25 43			n.a.
T 20	6 18	4s49	4 47	3 38	0 12	7 52	0 47	2 57	0 25	8 14	1 18	13 17	1 59	23 59	0 32	23 47	0 28	14 54	3 36	22 12	22 23	25 43			n.a.
W21	5 55	10 42	5 4	2 36	0 23	8 22	0 50	2 40	0 24	8 13	1 18	13 16	1 59	23 59	0 32	23 47	0 28	14 54	3 36	22 14	22 24	25 43			n.a.
T 22	5 32	16 6	5 2	1 36	0 34	8 52	0 54	2 22	0 24	8 11	1 18	13 15	1 59	23 59	0 32	23 47	0 28	14 54	3 36	22 15	22 24	25 43			n.a.
F 23	5 9	20 39	4 42	0 35	0 44	9 23	0 57	2 5	0 23	8 9	1 18	13 15	1 59	23 58	0 32	23 47	0 28	14 54	3 36	22 16	22 25	25 44			n.a.
S 24	4 46	23 59	4 4	0n25	0 55	9 52	1 0	1 47	0 22	8 7	1 18	13 14	1 59	23 58	0 32	23 47	0 28	14 53	3 36	22 16	22 25	25 44			n.a.
S 25	4 23	25 49	3 12	1 23	1 5	10 22	1 3	1 30	0 22	8 5	1 18	13 13	2 0	23 58	0 32	23 47	0 28	14 53	3 36	22 17	22 26	25 44			n.a.
M26	4 0	25 57	2 7	2 21	1 16	10 52	1 6	1 12	0 21	8 3	1 18	13 13	2 0	23 58	0 32	23 47	0 28	14 53	3 36	22 17	22 26	25 45			n.a.
T 27	3 37	24 26	0 56	3 17	1 25	11 21	1 9	0 54	0 21	8 1	1 18	13 12	2 0	23 58	0 32	23 47	0 28	14 53	3 36	22 17	22 27	25 45			n.a.
W28	3 14	21 24	0n18	4 12	1 35	11 50	1 12	0 37	0 20	7 59	1 18	13 11	2 0	23 58	0 32	23 47	0 28	14 53	3 36	22 17	22 27	25 45			n.a.
T 29	2 50	17 11	1 31	5 5	1 44	12 18	1 15	0 19	0 19	7 57	1 18	13 10	2 0	23 58	0 32	23 47	0 28	14 53	3 36	22 17	22 27	25 45			n.a.
F 30	2 27	12 6	2 37	5 56	1 52	12 47	1 18	0 2	0 19	7 55	1 18	13 10	2 0	23 58	0 32	23 47	0 28	14 53	3 36	22 17	22 28	25 46			n.a.
S 31	2s 4	6s31	3n34	6n46	2n 0	13n15	1n21	0n16	0s18	7s53	1n18	13s 9	2n 0	23s58	0s32	23n47	0n28	14s52	3n36	22s18	22s28	25n46			n.a.

Julian Day Number = 1102383.5, Delta T = 11h01m22s
Ecliptic obliquity = 23°53'35, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'05, Lahiri = -27°20'05 Julian Calendar 1 March 1695 BCE == Greg. Calendar 15 Feb. 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

APRIL 1695 BCE (-1694) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 37 36	25♓51'31	18♓25	13♈58	2♉ 1	2♈ 1	22°R51	9°R48	11♑ 2	12°R11	20°R58	20°R17	19♑15	12♊17	n.a.	S 1
M 2	11 41 33	26°49'10	1♈31	15°37	3°12	2°43	22♎45	9♏46	11° 3	12♋10	20♏57	20♑ 7	19°12	12°23	n.a.	M 2
T 3	11 45 29	27°46'47	14°22	17°13	4°22	3°24	22°39	9°43	11° 5	12°10	20°56	19°55	19° 9	12°30	n.a.	T 3
W 4	11 49 26	28°44'24	26°57	18°45	5°32	4° 6	22°33	9°40	11° 6	12°10	20°55	19°44	19° 6	12°37	n.a.	W 4
T 5	11 53 22	29°41'58	9♉18	20°14	6°42	4°48	22°26	9°38	11° 7	12°10	20°55	19°33	19° 3	12°43	n.a.	T 5
F 6	11 57 19	0♈39'32	21°26	21°40	7°52	5°29	22°20	9°35	11° 8	12°10	20°54	19°25	18°59	12°50	n.a.	F 6
S 7	12 1 16	1°37'03	3♊23	23° 2	9° 2	6°11	22°13	9°32	11°10	12°10	20°53	19°19	18°56	12°57	n.a.	S 7
S 8	12 5 12	2°34'33	15°14	24°20	10°12	6°52	22° 7	9°29	11°11	12°D10	20°52	19°16	18°53	13° 3	n.a.	S 8
M 9	12 9 9	3°32'02	27° 3	25°34	11°21	7°33	22° 0	9°26	11°12	12°10	20°51	19°15	18°50	13°10	n.a.	M 9
T 10	12 13 5	4°29'29	8♋56	26°45	12°31	8°15	21°53	9°23	11°13	12°10	20°50	19°D14	18°47	13°17	n.a.	T 10
W11	12 17 2	5°26'55	20°57	27°52	13°40	8°56	21°46	9°19	11°14	12°10	20°49	19°R15	18°44	13°23	n.a.	W11
T 12	12 20 58	6°24'19	3♌13	28°55	14°50	9°37	21°39	9°16	11°15	12°10	20°49	19°14	18°40	13°30	n.a.	T 12
F 13	12 24 55	7°21'41	15°47	29°55	15°59	10°18	21°32	9°13	11°16	12°10	20°48	19°11	18°37	13°37	n.a.	F 13
S 14	12 28 51	8°19'03	28°45	0♉50	17° 8	10°59	21°24	9° 9	11°17	12°11	20°47	19° 7	18°34	13°43	n.a.	S 14
S 15	12 32 48	9°16'23	12♍ 6	1°41	18°17	11°41	21°17	9° 6	11°17	12°11	20°46	18°59	18°31	13°50	n.a.	S 15
M16	12 36 45	10°13'41	25°53	2°28	19°26	12°22	21°10	9° 3	11°18	12°11	20°45	18°50	18°28	13°57	n.a.	M16
T 17	12 40 41	11°10'59	10♎ 1	3°11	20°35	13° 3	21° 3	8°59	11°19	12°11	20°43	18°39	18°24	14° 3	n.a.	T 17
W18	12 44 38	12° 8'16	24°26	3°50	21°44	13°44	20°55	8°55	11°19	12°12	20°42	18°27	18°21	14°10	n.a.	W18
T 19	12 48 34	13° 5'31	9♏ 2	4°24	22°52	14°24	20°48	8°52	11°20	12°12	20°41	18°17	18°18	14°17	n.a.	T 19
F 20	12 52 31	14° 2'46	23°41	4°54	24° 1	15° 5	20°40	8°48	11°21	12°12	20°40	18° 9	18°15	14°23	n.a.	F 20
S 21	12 56 27	15° 0'01	8♐17	5°19	25° 9	15°46	20°33	8°44	11°21	12°13	20°39	18° 3	18°12	14°30	n.a.	S 21
S 22	13 0 24	15°57'14	22°43	5°40	26°17	16°27	20°25	8°40	11°22	12°13	20°38	18° 0	18° 9	14°37	n.a.	S 22
M23	13 4 20	16°54'27	6♑57	5°56	27°25	17° 8	20°17	8°36	11°22	12°14	20°37	17°59	18° 5	14°43	n.a.	M23
T 24	13 8 17	17°51'40	20°58	6° 8	28°33	17°48	20°10	8°33	11°22	12°14	20°35	17°59	18° 2	14°50	n.a.	T 24
W25	13 12 14	18°48'52	4♒45	6°15	29°41	18°29	20° 2	8°29	11°23	12°15	20°34	17°58	17°59	14°57	n.a.	W25
T 26	13 16 10	19°46'04	18°18	6°R17	0♊49	19°10	19°55	8°25	11°23	12°15	20°33	17°56	17°56	15° 4	n.a.	T 26
F 27	13 20 7	20°43'15	1♓39	6°15	1°56	19°50	19°47	8°20	11°23	12°16	20°32	17°52	17°53	15°10	n.a.	F 27
S 28	13 24 3	21°40'25	14°49	6° 9	3° 4	20°31	19°39	8°16	11°23	12°17	20°31	17°45	17°50	15°17	n.a.	S 28
S 29	13 28 0	22°37'35	27°46	5°58	4°11	21°11	19°32	8°12	11°24	12°17	20°29	17°35	17°46	15°24	n.a.	S 29
M30	13 31 56	23♈34'45	10♈32	5♉44	5♊18	21♈52	19♎24	8♏ 8	11♑24	12♋18	20♏28	17♑23	17♑43	15♊30	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s41	0s44	4n17	7n33	2n 7	13n42	1n24	0n33	0s18	7s51	1n18	13s 8	2n 0	23s57	0s32	23n47	0n28	14s52	3n36	22s20	22s29	25n46		n.a.
M 2	1 17	4n59	4 47	8 18	2 13	14 10	1 26	0 50	0 17	7 48	1 18	13 7	2 0	23 57	0 32	23 47	0 28	14 52	3 36	22 21	22 29	25 46		n.a.
T 3	0 54	10 22	5 1	9 1	2 19	14 37	1 29	1 8	0 16	7 46	1 18	13 6	2 0	23 57	0 32	23 47	0 28	14 52	3 36	22 23	22 30	25 46		n.a.
W 4	0 31	15 13	5 0	9 42	2 24	15 3	1 32	1 25	0 16	7 44	1 18	13 5	2 0	23 57	0 32	23 47	0 28	14 52	3 36	22 25	22 30	25 47		n.a.
T 5	0 7	19 21	4 45	10 20	2 29	15 30	1 35	1 43	0 15	7 41	1 18	13 4	2 1	23 57	0 32	23 47	0 28	14 52	3 36	22 26	22 31	25 47		n.a.
F 6	0n16	22 35	4 17	10 56	2 32	15 56	1 38	2 0	0 15	7 39	1 18	13 3	2 1	23 57	0 32	23 47	0 28	14 51	3 36	22 27	22 31	25 47		n.a.
S 7	0 39	24 48	3 38	11 30	2 35	16 21	1 40	2 17	0 14	7 36	1 18	13 2	2 1	23 57	0 32	23 47	0 28	14 51	3 36	22 28	22 32	25 47		n.a.
S 8	1 3	25 53	2 50	12 2	2 37	16 47	1 43	2 34	0 13	7 34	1 18	13 1	2 1	23 57	0 32	23 47	0 28	14 51	3 36	22 29	22 32	25 47		n.a.
M 9	1 26	25 47	1 55	12 31	2 38	17 11	1 45	2 51	0 13	7 31	1 18	13 0	2 1	23 57	0 32	23 47	0 28	14 51	3 36	22 29	22 32	25 47		n.a.
T 10	1 49	24 29	0 55	12 57	2 38	17 36	1 48	3 9	0 12	7 29	1 18	12 59	2 1	23 57	0 32	23 47	0 28	14 50	3 36	22 29	22 33	25 48		n.a.
W11	2 12	22 4	0s 9	13 21	2 38	18 0	1 50	3 26	0 12	7 26	1 18	12 58	2 1	23 57	0 32	23 47	0 28	14 50	3 36	22 29	22 33	25 48		n.a.
T 12	2 35	18 37	1 13	13 43	2 36	18 23	1 53	3 43	0 11	7 23	1 18	12 57	2 1	23 57	0 32	23 47	0 28	14 50	3 36	22 29	22 34	25 48		n.a.
F 13	2 58	14 15	2 16	14 2	2 34	18 46	1 55	4 0	0 10	7 21	1 18	12 56	2 1	23 57	0 33	23 47	0 28	14 50	3 36	22 29	22 34	25 48		n.a.
S 14	3 22	9 7	3 13	14 19	2 30	19 9	1 58	4 17	0 10	7 18	1 18	12 55	2 1	23 57	0 33	23 47	0 28	14 50	3 35	22 30	22 35	25 48		n.a.
S 15	3 45	3 27	4 1	14 34	2 26	19 31	2 0	4 34	0 9	7 15	1 18	12 53	2 1	23 57	0 33	23 47	0 28	14 49	3 35	22 31	22 35	25 48		n.a.
M16	4 7	2s33	4 37	14 46	2 21	19 52	2 2	4 51	0 9	7 12	1 18	12 52	2 1	23 57	0 33	23 47	0 28	14 49	3 35	22 33	22 36	25 48		n.a.
T 17	4 30	8 35	4 57	14 55	2 15	20 13	2 4	5 7	0 8	7 10	1 18	12 51	2 1	23 57	0 33	23 47	0 28	14 49	3 35	22 34	22 36	25 48		n.a.
W18	4 53	14 16	4 59	15 2	2 8	20 34	2 6	5 24	0 7	7 7	1 18	12 50	2 1	23 57	0 33	23 47	0 28	14 49	3 35	22 36	22 36	25 49		n.a.
T 19	5 16	19 12	4 41	15 7	2 1	20 54	2 8	5 41	0 7	7 4	1 18	12 49	2 1	23 57	0 33	23 47	0 28	14 48	3 35	22 37	22 37	25 49		n.a.
F 20	5 38	23 0	4 5	15 9	1 52	21 14	2 10	5 57	0 6	7 1	1 18	12 47	2 1	23 56	0 33	23 47	0 28	14 48	3 35	22 38	22 37	25 49		n.a.
S 21	6 1	25 17	3 13	15 9	1 42	21 33	2 12	6 14	0 6	6 59	1 18	12 46	2 1	23 56	0 33	23 47	0 28	14 48	3 35	22 39	22 38	25 49		n.a.
S 22	6 23	25 50	2 9	15 6	1 32	21 51	2 14	6 31	0 5	6 56	1 18	12 45	2 1	23 56	0 33	23 47	0 28	14 47	3 35	22 39	22 38	25 49		n.a.
M23	6 46	24 40	0 58	15 1	1 20	22 9	2 15	6 47	0 4	6 53	1 17	12 44	2 1	23 56	0 33	23 47	0 28	14 47	3 35	22 40	22 39	25 49		n.a.
T 24	7 8	21 58	0n16	14 53	1 8	22 26	2 17	7 3	0 4	6 50	1 17	12 42	2 1	23 56	0 33	23 47	0 28	14 47	3 35	22 40	22 39	25 49		n.a.
W25	7 30	18 2	1 27	14 43	0 55	22 43	2 18	7 20	0 3	6 47	1 17	12 41	2 1	23 56	0 33	23 47	0 28	14 47	3 35	22 40	22 40	25 49		n.a.
T 26	7 52	13 13	2 33	14 31	0 41	22 59	2 20	7 36	0 3	6 44	1 17	12 40	2 1	23 56	0 33	23 46	0 28	14 46	3 35	22 40	22 40	25 49		n.a.
F 27	8 14	7 51	3 29	14 17	0 27	23 15	2 21	7 52	0 2	6 42	1 17	12 38	2 1	23 57	0 33	23 46	0 28	14 46	3 35	22 40	22 40	25 49		n.a.
S 28	8 36	2 13	4 13	14 0	0 12	23 30	2 22	8 8	0 1	6 39	1 17	12 37	2 1	23 57	0 33	23 46	0 28	14 46	3 35	22 41	22 41	25 49		n.a.
S 29	8 58	3n24	4 43	13 42	0s 4	23 44	2 24	8 24	0 1	6 36	1 17	12 36	2 1	23 57	0 33	23 46	0 28	14 45	3 35	22 43	22 41	25 49		n.a.
M30	9n19	8n48	4n58	13n22	0s20	23n58	2n25	8n40	0s 0	6s33	1n17	12s34	2n 1	23s57	0s33	23n46	0n28	14s45	3n35	22s44	22s42	25n49		n.a.

Julian Day Number = 1102414.5, Delta T = 11h01m20s
Ecliptic obliquity = 23°53'35, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°27'01, Lahiri = -27°20'01 Julian Calendar 1 Apr. 1695 BCE == Greg. Calendar 18 March 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

MAY 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 35 53	24♈31'54	23♈ 7	5°R25	6♊25	22♈32	19°R16	8°R 4	11°R24	12♋19	20°R27	17°R10	17♑40	15♊37	n.a.	T 1
W 2	13 39 49	25°29'02	5♉29	5♉ 3	7°32	23°13	19♎ 9	8♏ 0	11♑24	12°19	20♏25	16♑57	17°37	15°44	n.a.	W 2
T 3	13 43 46	26°26'10	17°41	4°38	8°39	23°53	19° 1	7°55	11°24	12°20	20°24	16°45	17°34	15°50	n.a.	T 3
F 4	13 47 43	27°23'18	29°42	4°10	9°45	24°33	18°54	7°51	11°23	12°21	20°23	16°36	17°30	15°57	n.a.	F 4
S 5	13 51 39	28°20'24	11♊35	3°39	10°52	25°14	18°46	7°47	11°23	12°22	20°21	16°29	17°27	16° 4	n.a.	S 5
S 6	13 55 36	29°17'31	23°24	3° 7	11°58	25°54	18°39	7°43	11°23	12°23	20°20	16°24	17°24	16°10	n.a.	S 6
M 7	13 59 32	0♉14'36	5♋11	2°34	13° 4	26°34	18°31	7°38	11°23	12°24	20°19	16°22	17°21	16°17	n.a.	M 7
T 8	14 3 29	1°11'41	17° 3	2° 0	14°10	27°14	18°24	7°34	11°22	12°25	20°17	16°D22	17°18	16°24	n.a.	T 8
W 9	14 7 25	2° 8'46	29° 3	1°25	15°16	27°54	18°17	7°30	11°22	12°26	20°16	16°R22	17°15	16°30	n.a.	W 9
T 10	14 11 22	3° 5'50	11♌17	0°51	16°21	28°35	18°10	7°25	11°22	12°27	20°14	16°22	17°11	16°37	n.a.	T 10
F 11	14 15 19	4° 2'53	23°51	0°18	17°26	29°15	18° 3	7°21	11°21	12°28	20°13	16°20	17° 8	16°44	n.a.	F 11
S 12	14 19 15	4°59'56	6♍49	29♈47	18°32	29°55	17°56	7°16	11°21	12°29	20°11	16°16	17° 5	16°50	n.a.	S 12
S 13	14 23 12	5°56'58	20°14	29°18	19°36	0♉35	17°49	7°12	11°20	12°30	20°10	16°10	17° 2	16°57	n.a.	S 13
M14	14 27 8	6°54'00	4♎ 7	28°51	20°41	1°14	17°42	7° 8	11°20	12°31	20° 9	16° 2	16°59	17° 4	n.a.	M14
T 15	14 31 5	7°51'02	18°27	28°28	21°46	1°54	17°35	7° 3	11°19	12°32	20° 7	15°53	16°56	17°10	n.a.	T 15
W16	14 35 1	8°48'03	3♏ 8	28° 8	22°50	2°34	17°28	6°59	11°18	12°33	20° 6	15°43	16°52	17°17	n.a.	W16
T 17	14 38 58	9°45'05	18° 4	27°52	23°54	3°14	17°22	6°55	11°18	12°34	20° 4	15°34	16°49	17°23	n.a.	T 17
F 18	14 42 54	10°42'06	3♐ 5	27°40	24°58	3°54	17°15	6°50	11°17	12°36	20° 3	15°26	16°46	17°30	n.a.	F 18
S 19	14 46 51	11°39'08	18° 2	27°32	26° 1	4°34	17° 9	6°46	11°16	12°37	20° 1	15°21	16°43	17°37	n.a.	S 19
S 20	14 50 48	12°36'10	2♑47	27°D29	27° 5	5°13	17° 3	6°41	11°15	12°38	20° 0	15°19	16°40	17°43	n.a.	S 20
M21	14 54 44	13°33'13	17°15	27°31	28° 8	5°53	16°56	6°37	11°14	12°39	19°58	15°D18	16°36	17°50	n.a.	M21
T 22	14 58 41	14°30'15	1♒24	27°38	29°11	6°33	16°50	6°33	11°13	12°41	19°57	15°19	16°33	17°57	n.a.	T 22
W23	15 2 37	15°27'18	15°12	27°50	0♋13	7°12	16°44	6°28	11°12	12°42	19°55	15°R19	16°30	18° 3	n.a.	W23
T 24	15 6 34	16°24'22	28°40	28° 7	1°16	7°52	16°39	6°24	11°11	12°44	19°54	15°18	16°27	18°10	n.a.	T 24
F 25	15 10 30	17°21'26	11♓51	28°29	2°18	8°31	16°33	6°20	11°10	12°45	19°52	15°16	16°24	18°17	n.a.	F 25
S 26	15 14 27	18°18'31	24°46	28°56	3°20	9°11	16°27	6°16	11° 9	12°46	19°51	15°11	16°21	18°23	n.a.	S 26
S 27	15 18 24	19°15'36	7♈27	29°28	4°21	9°50	16°22	6°11	11° 8	12°48	19°49	15° 4	16°17	18°30	n.a.	S 27
M28	15 22 20	20°12'41	19°56	0♉ 5	5°22	10°30	16°17	6° 7	11° 7	12°49	19°48	14°55	16°14	18°37	n.a.	M28
T 29	15 26 17	21° 9'48	2♉15	0°46	6°23	11° 9	16°12	6° 3	11° 5	12°51	19°46	14°45	16°11	18°43	n.a.	T 29
W30	15 30 13	22° 6'54	14°24	1°33	7°24	11°49	16° 7	5°59	11° 4	12°52	19°45	14°36	16° 8	18°50	n.a.	W30
T 31	15 34 10	23♉ 4'01	26♉25	2♉25	8♋24	12♉28	16♎ 2	5♏55	11♑ 3	12♋54	19♏43	14♑27	16♑ 5	18♊57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	9n41	13n45	4n59	13n 0	0s37	24n11	2n26	8n56	0n 0	6s30	1n17	12s33	2n 1	23s57	0s33	23n46	0n28	14s45	3n35	22s46	22s42	25n49			n.a.
W 2	10 2	18 4	4 45	12 37	0 53	24 23	2 27	9 12	0 1	6 28	1 16	12 32	2 1	23 57	0 33	23 46	0 28	14 45	3 35	22 48	22 42	25 49			n.a.
T 3	10 23	21 33	4 18	12 12	1 10	24 35	2 27	9 28	0 2	6 25	1 16	12 30	2 1	23 57	0 33	23 46	0 28	14 44	3 35	22 49	22 43	25 49			n.a.
F 4	10 44	24 3	3 40	11 47	1 27	24 46	2 28	9 43	0 2	6 22	1 16	12 29	2 1	23 57	0 33	23 46	0 28	14 44	3 35	22 50	22 43	25 49			n.a.
S 5	11 5	25 27	2 53	11 21	1 43	24 57	2 29	9 59	0 3	6 19	1 16	12 27	2 1	23 57	0 33	23 46	0 28	14 44	3 35	22 51	22 44	25 49			n.a.
S 6	11 26	25 42	1 59	10 55	2 0	25 7	2 29	10 14	0 3	6 17	1 16	12 26	2 1	23 57	0 33	23 46	0 28	14 43	3 35	22 52	22 44	25 49			n.a.
M 7	11 46	24 46	0 59	10 29	2 15	25 16	2 29	10 30	0 4	6 14	1 16	12 25	2 1	23 57	0 33	23 46	0 28	14 43	3 35	22 52	22 45	25 49			n.a.
T 8	12 7	22 43	0s 4	10 3	2 30	25 25	2 30	10 45	0 4	6 11	1 15	12 23	2 1	23 57	0 33	23 46	0 28	14 43	3 34	22 52	22 45	25 49			n.a.
W 9	12 27	19 39	1 7	9 37	2 44	25 32	2 30	11 0	0 5	6 9	1 15	12 22	2 1	23 57	0 33	23 45	0 28	14 42	3 34	22 52	22 45	25 49			n.a.
T 10	12 47	15 40	2 8	9 13	2 58	25 40	2 30	11 16	0 6	6 6	1 15	12 20	2 1	23 57	0 33	23 45	0 28	14 42	3 34	22 52	22 46	25 49			n.a.
F 11	13 6	10 55	3 5	8 50	3 10	25 46	2 30	11 31	0 6	6 3	1 15	12 19	2 1	23 57	0 33	23 45	0 28	14 42	3 34	22 52	22 46	25 49			n.a.
S 12	13 26	5 33	3 55	8 29	3 21	25 52	2 30	11 45	0 7	6 1	1 15	12 18	2 1	23 57	0 33	23 45	0 28	14 41	3 34	22 53	22 47	25 49			n.a.
S 13	13 45	0s14	4 33	8 9	3 31	25 57	2 29	12 0	0 7	5 58	1 15	12 16	2 1	23 57	0 34	23 45	0 28	14 41	3 34	22 54	22 47	25 49			n.a.
M14	14 4	6 11	4 56	7 51	3 39	26 2	2 29	12 15	0 8	5 56	1 14	12 15	2 1	23 57	0 34	23 45	0 28	14 41	3 34	22 55	22 47	25 49			n.a.
T 15	14 23	12 0	5 3	7 36	3 47	26 6	2 28	12 30	0 9	5 53	1 14	12 14	2 1	23 57	0 34	23 45	0 28	14 40	3 34	22 56	22 48	25 48			n.a.
W16	14 42	17 18	4 49	7 24	3 53	26 9	2 28	12 44	0 9	5 51	1 14	12 12	2 1	23 58	0 34	23 45	0 28	14 40	3 34	22 57	22 48	25 48			n.a.
T 17	15 1	21 37	4 16	7 14	3 57	26 11	2 27	12 59	0 10	5 49	1 14	12 11	2 1	23 58	0 34	23 45	0 28	14 40	3 34	22 58	22 49	25 48			n.a.
F 18	15 19	24 31	3 25	7 6	4 1	26 13	2 26	13 13	0 10	5 46	1 13	12 9	2 1	23 58	0 34	23 44	0 28	14 40	3 34	22 59	22 49	25 48			n.a.
S 19	15 37	25 40	2 20	7 2	4 2	26 15	2 25	13 27	0 11	5 44	1 13	12 8	2 1	23 58	0 34	23 44	0 28	14 39	3 34	22 59	22 49	25 48			n.a.
S 20	15 55	24 58	1 6	7 0	4 3	26 15	2 23	13 41	0 12	5 42	1 13	12 7	2 1	23 58	0 34	23 44	0 28	14 39	3 34	23 0	22 50	25 48			n.a.
M21	16 12	22 35	0n10	7 1	4 2	26 15	2 22	13 55	0 12	5 40	1 13	12 5	2 0	23 58	0 34	23 44	0 28	14 39	3 33	23 0	22 50	25 48			n.a.
T 22	16 30	18 51	1 25	7 5	4 1	26 14	2 21	14 9	0 13	5 37	1 13	12 4	2 0	23 58	0 34	23 44	0 28	14 38	3 33	23 0	22 51	25 48			n.a.
W23	16 47	14 9	2 33	7 12	3 58	26 13	2 19	14 23	0 13	5 35	1 12	12 3	2 0	23 58	0 34	23 44	0 28	14 38	3 33	23 0	22 51	25 47			n.a.
T 24	17 3	8 53	3 30	7 22	3 54	26 10	2 17	14 37	0 14	5 33	1 12	12 1	2 0	23 58	0 34	23 44	0 28	14 38	3 33	23 0	22 51	25 47			n.a.
F 25	17 20	3 19	4 15	7 35	3 49	26 8	2 15	14 50	0 14	5 31	1 12	12 0	2 0	23 59	0 34	23 44	0 28	14 37	3 33	23 0	22 52	25 47			n.a.
S 26	17 36	2n15	4 46	7 50	3 43	26 4	2 13	15 4	0 15	5 29	1 12	11 59	2 0	23 59	0 34	23 43	0 28	14 37	3 33	23 1	22 52	25 47			n.a.
S 27	17 52	7 38	5 3	8 8	3 36	26 0	2 11	15 17	0 16	5 28	1 11	11 57	2 0	23 59	0 34	23 43	0 28	14 37	3 33	23 1	22 53	25 47			n.a.
M28	18 8	12 37	5 4	8 28	3 28	25 55	2 9	15 30	0 16	5 26	1 11	11 56	2 0	23 59	0 34	23 43	0 28	14 36	3 33	23 2	22 53	25 47			n.a.
T 29	18 23	17 1	4 52	8 51	3 20	25 50	2 6	15 43	0 17	5 24	1 11	11 55	2 0	23 59	0 34	23 43	0 28	14 36	3 33	23 3	22 53	25 46			n.a.
W30	18 39	20 41	4 26	9 16	3 11	25 44	2 4	15 56	0 17	5 22	1 11	11 53	1 59	23 59	0 34	23 43	0 28	14 36	3 33	23 5	22 54	25 46			n.a.
T 31	18n53	23n25	3n48	9n43	3s 1	25n38	2n 1	16n 9	0n18	5s21	1n10	11s52	1n59	23s59	0s34	23n43	0n28	14s35	3n32	23s 6	22s54	25n46			n.a.

Julian Day Number = 1102444.5, Delta T = 11h01m19s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'57, Lahiri = -27°19'57 Julian Calendar 1 May 1695 BCE == Greg. Calendar 17 Apr. 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

JUNE 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 38 6	24♉ 1'09	8♊19	3♉22	9♋24	13♉ 7	15°R57	5°R51	11°R 2	12♋56	19°R42	14°R20	16♎ 2	19♊ 3	n.a.	F 1
S 2	15 42 3	24°58'17	20° 9	4°23	10°24	13°47	15♎53	5♏47	11♎ 0	12°57	19♏40	14♎15	15°58	19°10	n.a.	S 2
S 3	15 46 0	25°55'26	1♋55	5°29	11°23	14°26	15°48	5°43	10°59	12°59	19°39	14°12	15°55	19°17	n.a.	S 3
M 4	15 49 56	26°52'35	13°43	6°39	12°22	15° 5	15°44	5°39	10°57	13° 0	19°37	14°D11	15°52	19°23	n.a.	M 4
T 5	15 53 53	27°49'44	25°35	7°54	13°20	15°44	15°40	5°35	10°56	13° 2	19°36	14°11	15°49	19°30	n.a.	T 5
W 6	15 57 49	28°46'54	7♌35	9°14	14°18	16°24	15°36	5°31	10°54	13° 4	19°34	14°13	15°46	19°37	n.a.	W 6
T 7	16 1 46	29°44'04	19°49	10°38	15°16	17° 3	15°33	5°27	10°53	13° 5	19°33	14°14	15°42	19°43	n.a.	T 7
F 8	16 5 42	0♊41'15	2♍21	12° 6	16°13	17°42	15°29	5°23	10°51	13° 7	19°31	14°R14	15°39	19°50	n.a.	F 8
S 9	16 9 39	1°38'26	15°16	13°38	17°10	18°21	15°26	5°20	10°49	13° 9	19°30	14°13	15°36	19°57	n.a.	S 9
S 10	16 13 35	2°35'37	28°37	15°14	18° 7	19° 0	15°23	5°16	10°48	13°11	19°28	14°11	15°33	20° 3	n.a.	S 10
M11	16 17 32	3°32'49	12♎27	16°54	19° 3	19°39	15°20	5°12	10°46	13°13	19°27	14° 7	15°30	20°10	n.a.	M11
T 12	16 21 29	4°30'02	26°46	18°38	19°58	20°18	15°17	5° 9	10°44	13°14	19°25	14° 1	15°27	20°17	n.a.	T 12
W13	16 25 25	5°27'15	11♏29	20°25	20°53	20°57	15°14	5° 5	10°42	13°16	19°24	13°56	15°23	20°23	n.a.	W13
T 14	16 29 22	6°24'29	26°31	22°15	21°47	21°36	15°12	5° 2	10°40	13°18	19°22	13°50	15°20	20°30	n.a.	T 14
F 15	16 33 18	7°21'44	11♐43	24° 8	22°41	22°15	15° 9	4°59	10°39	13°20	19°21	13°46	15°17	20°37	n.a.	F 15
S 16	16 37 15	8°19'01	26°54	26° 4	23°34	22°53	15° 7	4°55	10°37	13°22	19°20	13°44	15°14	20°43	n.a.	S 16
S 17	16 41 11	9°16'18	11♑56	28° 2	24°27	23°32	15° 5	4°52	10°35	13°24	19°18	13°D43	15°11	20°50	n.a.	S 17
M18	16 45 8	10°13'36	26°40	0♒ 2	25°19	24°11	15° 3	4°49	10°33	13°26	19°17	13°43	15° 8	20°57	n.a.	M18
T 19	16 49 5	11°10'56	11♒ 2	2° 4	26°11	24°50	15° 2	4°46	10°31	13°28	19°15	13°44	15° 4	21° 3	n.a.	T 19
W20	16 53 1	12° 8'17	24°59	4° 7	27° 2	25°29	15° 0	4°43	10°29	13°29	19°14	13°46	15° 1	21°10	n.a.	W20
T 21	16 56 58	13° 5'39	8♓31	6°11	27°52	26° 7	14°59	4°40	10°27	13°31	19°13	13°R47	14°58	21°17	n.a.	T 21
F 22	17 0 54	14° 3'03	21°41	8°15	28°41	26°46	14°58	4°37	10°25	13°33	19°11	13°47	14°55	21°23	n.a.	F 22
S 23	17 4 51	15° 0'28	4♈30	10°20	29°30	27°25	14°57	4°34	10°23	13°35	19°10	13°45	14°52	21°30	n.a.	S 23
S 24	17 8 47	15°57'55	17° 2	12°25	0♌18	28° 3	14°57	4°31	10°21	13°37	19° 9	13°42	14°48	21°37	n.a.	S 24
M25	17 12 44	16°55'23	29°21	14°29	1° 5	28°42	14°56	4°29	10°19	13°39	19° 7	13°39	14°45	21°43	n.a.	M25
T 26	17 16 40	17°52'52	11♉28	16°34	1°52	29°21	14°56	4°26	10°16	13°41	19° 6	13°35	14°42	21°50	n.a.	T 26
W27	17 20 37	18°50'23	23°27	18°37	2°38	29°59	14°D56	4°23	10°14	13°44	19° 5	13°30	14°39	21°57	n.a.	W27
T 28	17 24 34	19°47'56	5♊20	20°40	3°22	0♊38	14°56	4°21	10°12	13°46	19° 4	13°27	14°36	22° 3	n.a.	T 28
F 29	17 28 30	20°45'30	17°10	22°42	4° 6	1°16	14°56	4°19	10°10	13°48	19° 2	13°24	14°33	22°10	n.a.	F 29
S 30	17 32 27	21♊43'05	28♊57	24♊42	4♌49	1♊55	14♎57	4♏16	10♎ 8	13♋50	19♏ 1	13♎22	14♎29	22♊17	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n 8	25n 5	3n 1	10n12	2s50	25n31	1n58	16n22	0n18	5s19	1n10	11s51	1n59	23s59	0s34	23n43	0n28	14s35	3n32	23s 6	22s55	25n46		n.a.
S 2	19 22	25 37	2 6	10 43	2 39	25 23	1 55	16 35	0 19	5 18	1 10	11 50	1 59	24 0	0 34	23 42	0 28	14 35	3 32	23 7	22 55	25 45		n.a.
S 3	19 36	24 58	1 6	11 16	2 28	25 15	1 51	16 47	0 20	5 16	1 10	11 49	1 59	24 0	0 34	23 42	0 28	14 35	3 32	23 7	22 55	25 45		n.a.
M 4	19 50	23 13	0 3	11 51	2 16	25 6	1 48	16 59	0 20	5 15	1 9	11 47	1 59	24 0	0 34	23 42	0 28	14 34	3 32	23 7	22 56	25 45		n.a.
T 5	20 3	20 25	1s 1	12 27	2 4	24 56	1 44	17 12	0 21	5 13	1 9	11 46	1 59	24 0	0 34	23 42	0 28	14 34	3 32	23 7	22 56	25 45		n.a.
W 6	20 16	16 44	2 3	13 5	1 52	24 46	1 40	17 24	0 21	5 12	1 9	11 45	1 59	24 0	0 34	23 42	0 28	14 34	3 32	23 7	22 57	25 45		n.a.
T 7	20 29	12 17	3 1	13 43	1 39	24 36	1 37	17 36	0 22	5 11	1 8	11 44	1 58	24 0	0 34	23 42	0 28	14 33	3 32	23 7	22 57	25 44		n.a.
F 8	20 41	7 14	3 52	14 23	1 26	24 25	1 32	17 47	0 22	5 10	1 8	11 43	1 58	24 1	0 34	23 41	0 28	14 33	3 32	23 7	22 57	25 44		n.a.
S 9	20 53	1 45	4 32	15 4	1 14	24 13	1 28	17 59	0 23	5 9	1 8	11 42	1 58	24 1	0 34	23 41	0 28	14 33	3 31	23 7	22 58	25 44		n.a.
S 10	21 4	4s 0	4 59	15 45	1 1	24 1	1 24	18 11	0 24	5 8	1 8	11 41	1 58	24 1	0 34	23 41	0 28	14 33	3 31	23 7	22 58	25 43		n.a.
M11	21 16	9 45	5 10	16 26	0 48	23 49	1 19	18 22	0 24	5 7	1 7	11 39	1 58	24 1	0 34	23 41	0 28	14 32	3 31	23 8	22 58	25 43		n.a.
T 12	21 27	15 12	5 3	17 8	0 35	23 36	1 14	18 33	0 25	5 6	1 7	11 38	1 58	24 1	0 34	23 41	0 28	14 32	3 31	23 8	22 59	25 43		n.a.
W13	21 37	19 55	4 36	17 49	0 23	23 22	1 9	18 44	0 25	5 5	1 7	11 37	1 57	24 1	0 34	23 40	0 28	14 32	3 31	23 9	22 59	25 43		n.a.
T 14	21 47	23 27	3 49	18 31	0 11	23 9	1 4	18 55	0 26	5 4	1 6	11 36	1 57	24 2	0 34	23 40	0 28	14 32	3 31	23 9	23 0	25 42		n.a.
F 15	21 57	25 21	2 46	19 11	0n 1	22 54	0 59	19 6	0 26	5 4	1 6	11 35	1 57	24 2	0 34	23 40	0 28	14 31	3 31	23 10	23 0	25 42		n.a.
S 16	22 6	25 22	1 31	19 51	0 13	22 40	0 53	19 17	0 27	5 3	1 6	11 34	1 57	24 2	0 34	23 40	0 28	14 31	3 30	23 10	23 0	25 42		n.a.
S 17	22 16	23 30	0 10	20 29	0 24	22 25	0 47	19 27	0 28	5 3	1 6	11 34	1 57	24 2	0 35	23 40	0 28	14 31	3 30	23 10	23 1	25 41		n.a.
M18	22 24	20 4	1n10	21 6	0 34	22 9	0 41	19 38	0 28	5 2	1 5	11 33	1 57	24 2	0 35	23 40	0 28	14 31	3 30	23 10	23 1	25 41		n.a.
T 19	22 33	15 29	2 24	21 41	0 44	21 53	0 35	19 48	0 29	5 2	1 5	11 32	1 56	24 2	0 35	23 39	0 28	14 30	3 30	23 10	23 1	25 41		n.a.
W20	22 40	10 12	3 27	22 15	0 53	21 37	0 29	19 58	0 29	5 2	1 5	11 31	1 56	24 3	0 35	23 39	0 28	14 30	3 30	23 10	23 2	25 40		n.a.
T 21	22 48	4 35	4 16	22 46	1 2	21 21	0 22	20 8	0 30	5 2	1 4	11 30	1 56	24 3	0 35	23 39	0 28	14 30	3 30	23 10	23 2	25 40		n.a.
F 22	22 55	1n 5	4 51	23 15	1 10	21 4	0 16	20 18	0 30	5 1	1 4	11 29	1 56	24 3	0 35	23 39	0 28	14 30	3 30	23 10	23 2	25 40		n.a.
S 23	23 2	6 32	5 9	23 41	1 17	20 47	0 9	20 27	0 31	5 1	1 4	11 29	1 56	24 3	0 35	23 39	0 28	14 29	3 29	23 10	23 3	25 39		n.a.
S 24	23 8	11 37	5 13	24 5	1 24	20 30	0 2	20 37	0 32	5 1	1 3	11 28	1 55	24 3	0 35	23 38	0 28	14 29	3 29	23 10	23 3	25 39		n.a.
M25	23 14	16 8	5 2	24 27	1 29	20 12	0s 6	20 46	0 32	5 1	1 3	11 27	1 55	24 4	0 35	23 38	0 28	14 29	3 29	23 11	23 3	25 39		n.a.
T 26	23 20	19 56	4 37	24 46	1 34	19 54	0 13	20 55	0 33	5 2	1 3	11 26	1 55	24 4	0 35	23 38	0 28	14 29	3 29	23 11	23 4	25 38		n.a.
W27	23 25	22 52	4 1	25 2	1 38	19 36	0 21	21 4	0 33	5 2	1 3	11 26	1 55	24 4	0 35	23 38	0 28	14 29	3 29	23 12	23 4	25 38		n.a.
T 28	23 29	24 47	3 14	25 15	1 42	19 18	0 29	21 13	0 34	5 2	1 2	11 25	1 55	24 4	0 35	23 38	0 28	14 28	3 29	23 12	23 5	25 37		n.a.
F 29	23 34	25 34	2 19	25 26	1 45	19 0	0 37	21 22	0 34	5 2	1 2	11 24	1 54	24 4	0 35	23 37	0 28	14 28	3 28	23 12	23 5	25 37		n.a.
S 30	23n38	25n12	1n19	25n34	1n47	18n41	0s45	21n30	0n35	5s 3	1n 2	11s24	1n54	24s 4	0s35	23n37	0n28	14s28	3n28	23s12	23s 5	25n37		n.a.

Julian Day Number = 1102475.5, Delta T = 11h01m17s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'53, Lahiri = -27°19'52 Julian Calendar 1 June 1695 BCE == Greg. Calendar 18 May 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

JULY 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 36 23	22♊40'42	10♋45	26♊42	5♌32	2♊33	14♎57	4°R14	10°R 5	13♋52	19°R 0	13°D21	14♑26	22♊23	n.a.	S 1
M 2	17 40 20	23°38'20	22°36	28°40	6°13	3°12	14°58	4♏12	10♑ 3	13°54	18♏59	13♑21	14°23	22°30	n.a.	M 2
T 3	17 44 16	24°36'00	4♌32	0♋37	6°53	3°50	14°59	4°10	10° 1	13°56	18°58	13°22	14°20	22°37	n.a.	T 3
W 4	17 48 13	25°33'41	16°38	2°33	7°32	4°28	15° 0	4° 8	9°59	13°58	18°57	13°24	14°17	22°43	n.a.	W 4
T 5	17 52 9	26°31'23	28°55	4°27	8° 9	5° 7	15° 2	4° 6	9°56	14° 0	18°55	13°25	14°13	22°50	n.a.	T 5
F 6	17 56 6	27°29'06	11♍28	6°20	8°46	5°45	15° 3	4° 5	9°54	14° 2	18°54	13°26	14°10	22°57	n.a.	F 6
S 7	18 0 3	28°26'50	24°22	8°12	9°22	6°23	15° 5	4° 3	9°52	14° 5	18°53	13°R27	14° 7	23° 3	n.a.	S 7
S 8	18 3 59	29°24'36	7♎38	10° 2	9°56	7° 2	15° 7	4° 1	9°49	14° 7	18°52	13°27	14° 4	23°10	n.a.	S 8
M 9	18 7 56	0♋22'23	21°20	11°51	10°29	7°40	15° 9	4° 0	9°47	14° 9	18°51	13°26	14° 1	23°16	n.a.	M 9
T 10	18 11 52	1°20'12	5♏28	13°38	11° 0	8°18	15°11	3°58	9°45	14°11	18°50	13°25	13°58	23°23	n.a.	T 10
W11	18 15 49	2°18'02	20° 0	15°24	11°30	8°56	15°14	3°57	9°42	14°13	18°49	13°23	13°54	23°30	n.a.	W11
T 12	18 19 45	3°15'54	4♐54	17° 9	11°59	9°34	15°16	3°56	9°40	14°16	18°48	13°22	13°51	23°36	n.a.	T 12
F 13	18 23 42	4°13'47	20° 1	18°52	12°26	10°13	15°19	3°55	9°38	14°18	18°47	13°21	13°48	23°43	n.a.	F 13
S 14	18 27 39	5°11'42	5♑12	20°34	12°51	10°51	15°22	3°54	9°35	14°20	18°46	13°21	13°45	23°50	n.a.	S 14
S 15	18 31 35	6° 9'38	20°20	22°15	13°15	11°29	15°25	3°53	9°33	14°22	18°45	13°D21	13°42	23°56	n.a.	S 15
M16	18 35 32	7° 7'37	5♒13	23°54	13°37	12° 7	15°29	3°52	9°30	14°24	18°44	13°21	13°39	24° 3	n.a.	M16
T 17	18 39 28	8° 5'37	19°46	25°32	13°57	12°45	15°32	3°51	9°28	14°27	18°44	13°22	13°35	24°10	n.a.	T 17
W18	18 43 25	9° 3'39	3♓54	27° 9	14°15	13°23	15°36	3°51	9°26	14°29	18°43	13°22	13°32	24°16	n.a.	W18
T 19	18 47 21	10° 1'43	17°35	28°44	14°32	14° 1	15°40	3°50	9°23	14°31	18°42	13°22	13°29	24°23	n.a.	T 19
F 20	18 51 18	10°59'50	0♈50	0♌19	14°47	14°39	15°44	3°50	9°21	14°33	18°41	13°23	13°26	24°30	n.a.	F 20
S 21	18 55 14	11°57'58	13°41	1°51	14°59	15°17	15°48	3°49	9°18	14°35	18°40	13°R23	13°23	24°36	n.a.	S 21
S 22	18 59 11	12°56'09	26°12	3°23	15°10	15°55	15°53	3°49	9°16	14°38	18°40	13°D23	13°19	24°43	n.a.	S 22
M23	19 3 7	13°54'22	8♉26	4°53	15°18	16°33	15°57	3°49	9°14	14°40	18°39	13°23	13°16	24°50	n.a.	M23
T 24	19 7 4	14°52'37	20°28	6°22	15°25	17°11	16° 2	3°D49	9°11	14°42	18°38	13°23	13°13	24°56	n.a.	T 24
W25	19 11 1	15°50'55	2♊21	7°50	15°29	17°48	16° 7	3°49	9° 9	14°44	18°38	13°23	13°10	25° 3	n.a.	W25
T 26	19 14 57	16°49'14	14°10	9°16	15°R31	18°26	16°12	3°49	9° 7	14°47	18°37	13°23	13° 7	25°10	n.a.	T 26
F 27	19 18 54	17°47'36	25°57	10°42	15°30	19° 4	16°17	3°49	9° 4	14°49	18°36	13°24	13° 4	25°16	n.a.	F 27
S 28	19 22 50	18°46'00	7♋46	12° 5	15°28	19°42	16°22	3°49	9° 2	14°51	18°36	13°R24	13° 0	25°23	n.a.	S 28
S 29	19 26 47	19°44'26	19°39	13°28	15°22	20°20	16°28	3°50	9° 0	14°53	18°35	13°24	12°57	25°30	n.a.	S 29
M30	19 30 43	20°42'54	1♌38	14°49	15°15	20°57	16°33	3°50	8°57	14°56	18°35	13°24	12°54	25°36	n.a.	M30
T 31	19 34 40	21♋41'24	13♌44	16♌ 8	15♌ 5	21♊35	16♎39	3♏51	8♑55	14♋58	18♏34	13♑23	12♑51	25♊43	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	23n41	23n41	0n14	25n39	1n48	18n23	0s54	21n39	0n35	5s 3	1n 1	11s23	1n54	24s 5	0s35	23n37	0n28	14s28	3n28	23s13		23s 6		25n36			n.a.
M 2	23 44	21 7	0s51	25 42	1 49	18 4	1 3	21 47	0 36	5 4	1 1	11 23	1 54	24 5	0 35	23 37	0 28	14 28	3 28	23 12		23 6		25 36			n.a.
T 3	23 47	17 38	1 55	25 43	1 49	17 45	1 12	21 55	0 37	5 5	1 1	11 22	1 53	24 5	0 35	23 36	0 28	14 28	3 28	23 12		23 6		25 35			n.a.
W 4	23 49	13 23	2 54	25 41	1 49	17 26	1 21	22 3	0 37	5 5	1 1	11 22	1 53	24 5	0 35	23 36	0 28	14 27	3 28	23 12		23 7		25 35			n.a.
T 5	23 51	8 32	3 46	25 37	1 48	17 7	1 30	22 10	0 38	5 6	1 0	11 21	1 53	24 5	0 35	23 36	0 28	14 27	3 27	23 12		23 7		25 34			n.a.
F 6	23 52	3 15	4 29	25 30	1 46	16 48	1 40	22 18	0 38	5 7	1 0	11 21	1 53	24 6	0 35	23 36	0 28	14 27	3 27	23 12		23 7		25 34			n.a.
S 7	23 53	2s17	5 0	25 22	1 44	16 29	1 50	22 25	0 39	5 8	1 0	11 21	1 53	24 6	0 35	23 36	0 28	14 27	3 27	23 12		23 8		25 33			n.a.
S 8	23 53	7 54	5 15	25 12	1 42	16 10	2 0	22 32	0 39	5 9	0 59	11 20	1 52	24 6	0 35	23 35	0 28	14 27	3 27	23 12		23 8		25 33			n.a.
M 9	23 53	13 18	5 14	25 0	1 39	15 52	2 10	22 39	0 40	5 10	0 59	11 20	1 52	24 6	0 35	23 35	0 28	14 27	3 27	23 12		23 8		25 33			n.a.
T 10	23 53	18 11	4 54	24 46	1 35	15 33	2 21	22 46	0 40	5 11	0 59	11 20	1 52	24 6	0 35	23 35	0 28	14 27	3 27	23 12		23 9		25 32			n.a.
W11	23 52	22 9	4 15	24 30	1 32	15 14	2 31	22 53	0 41	5 13	0 58	11 20	1 52	24 7	0 35	23 35	0 28	14 27	3 26	23 12		23 9		25 32			n.a.
T 12	23 51	24 45	3 18	24 13	1 27	14 56	2 42	22 59	0 42	5 14	0 58	11 19	1 51	24 7	0 35	23 34	0 28	14 26	3 26	23 12		23 9		25 31			n.a.
F 13	23 49	25 36	2 6	23 54	1 23	14 37	2 53	23 6	0 42	5 15	0 58	11 19	1 51	24 7	0 35	23 34	0 28	14 26	3 26	23 12		23 10		25 31			n.a.
S 14	23 47	24 32	0 45	23 34	1 18	14 19	3 5	23 12	0 43	5 17	0 58	11 19	1 51	24 7	0 35	23 34	0 28	14 26	3 26	23 13		23 10		25 30			n.a.
S 15	23 45	21 41	0n39	23 13	1 13	14 2	3 16	23 18	0 43	5 18	0 57	11 19	1 51	24 7	0 35	23 34	0 28	14 26	3 26	23 13		23 10		25 30			n.a.
M16	23 42	17 24	1 59	22 50	1 7	13 44	3 28	23 24	0 44	5 20	0 57	11 19	1 51	24 8	0 35	23 33	0 28	14 26	3 26	23 12		23 11		25 29			n.a.
T 17	23 38	12 11	3 9	22 26	1 1	13 27	3 40	23 29	0 44	5 22	0 57	11 19	1 50	24 8	0 35	23 33	0 28	14 26	3 25	23 12		23 11		25 28			n.a.
W18	23 35	6 27	4 6	22 2	0 55	13 10	3 52	23 35	0 45	5 23	0 56	11 19	1 50	24 8	0 35	23 33	0 28	14 26	3 25	23 12		23 11		25 28			n.a.
T 19	23 30	0 37	4 46	21 36	0 49	12 54	4 4	23 40	0 45	5 25	0 56	11 19	1 50	24 8	0 35	23 33	0 28	14 26	3 25	23 12		23 12		25 27			n.a.
F 20	23 26	5n 4	5 10	21 9	0 42	12 38	4 16	23 45	0 46	5 27	0 56	11 19	1 50	24 8	0 35	23 33	0 28	14 26	3 25	23 12		23 12		25 27			n.a.
S 21	23 21	10 22	5 18	20 42	0 35	12 22	4 29	23 50	0 47	5 29	0 56	11 19	1 49	24 8	0 35	23 32	0 28	14 26	3 25	23 12		23 12		25 26			n.a.
S 22	23 15	15 6	5 10	20 13	0 28	12 7	4 41	23 55	0 47	5 31	0 55	11 19	1 49	24 9	0 35	23 32	0 28	14 26	3 24	23 12		23 13		25 26			n.a.
M23	23 9	19 7	4 48	19 44	0 21	11 53	4 54	23 59	0 48	5 33	0 55	11 19	1 49	24 9	0 35	23 32	0 28	14 26	3 24	23 12		23 13		25 25			n.a.
T 24	23 3	22 16	4 14	19 15	0 13	11 39	5 6	24 4	0 48	5 35	0 55	11 19	1 49	24 9	0 35	23 32	0 28	14 26	3 24	23 12		23 13		25 25			n.a.
W25	22 56	24 26	3 29	18 45	0 6	11 25	5 19	24 8	0 49	5 37	0 55	11 20	1 48	24 9	0 35	23 31	0 28	14 26	3 24	23 12		23 14		25 24			n.a.
T 26	22 49	25 30	2 35	18 14	0s 2	11 12	5 32	24 12	0 49	5 39	0 54	11 20	1 48	24 9	0 35	23 31	0 28	14 26	3 24	23 12		23 14		25 23			n.a.
F 27	22 41	25 25	1 35	17 43	0 10	11 0	5 45	24 16	0 50	5 41	0 54	11 20	1 48	24 9	0 35	23 31	0 28	14 26	3 23	23 12		23 14		25 23			n.a.
S 28	22 33	24 11	0 31	17 12	0 18	10 49	5 57	24 19	0 50	5 44	0 54	11 21	1 48	24 10	0 35	23 31	0 28	14 26	3 23	23 12		23 15		25 22			n.a.
S 29	22 25	21 51	0s35	16 40	0 27	10 39	6 10	24 23	0 51	5 46	0 53	11 21	1 47	24 10	0 35	23 30	0 28	14 26	3 23	23 12		23 15		25 22			n.a.
M30	22 16	18 33	1 40	16 9	0 35	10 29	6 22	24 26	0 51	5 49	0 53	11 21	1 47	24 10	0 35	23 30	0 28	14 26	3 23	23 12		23 15		25 21			n.a.
T 31	22n 6	14n27	2s41	15n37	0s43	10n20	6s35	24n29	0n52	5s51	0n53	11s22	1n47	24s10	0s35	23n30	0n28	14s26	3n23	23s12		23s16		25n20			n.a.

Julian Day Number = 1102505.5, Delta T = 11h01m15s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'49, Lahiri = -27°19'48 Julian Calendar 1 July 1695 BCE == Greg. Calendar 17 June 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

AUGUST 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 38 36	22♋39'55	26♌ 1	17♌26	14°R53	22♊13	16♎45	3♏52	8°R53	15♋ 0	18°R34	13°R22	12♑48	25♊50	n.a.	W 1
T 2	19 42 33	23°38'29	8♍30	18°42	14♌39	22°51	16°51	3°52	8♑50	15° 2	18♏33	13♑20	12°45	25°56	n.a.	T 2
F 3	19 46 30	24°37'04	21°12	19°57	14°22	23°28	16°58	3°53	8°48	15° 4	18°33	13°19	12°41	26° 3	n.a.	F 3
S 4	19 50 26	25°35'42	4♎10	21°10	14° 2	24° 6	17° 4	3°54	8°46	15° 7	18°33	13°18	12°38	26°10	n.a.	S 4
S 5	19 54 23	26°34'21	17°26	22°22	13°41	24°43	17°11	3°55	8°43	15° 9	18°32	13°17	12°35	26°16	n.a.	S 5
M 6	19 58 19	27°33'02	1♏ 2	23°31	13°18	25°21	17°18	3°57	8°41	15°11	18°32	13°D17	12°32	26°23	n.a.	M 6
T 7	20 2 16	28°31'45	14°58	24°38	12°52	25°58	17°24	3°58	8°39	15°13	18°32	13°17	12°29	26°29	n.a.	T 7
W 8	20 6 12	29°30'30	29°14	25°44	12°24	26°36	17°32	3°59	8°37	15°15	18°31	13°18	12°25	26°36	n.a.	W 8
T 9	20 10 9	0♌29'17	13♐48	26°47	11°55	27°14	17°39	4° 1	8°35	15°17	18°31	13°19	12°22	26°43	n.a.	T 9
F 10	20 14 5	1°28'06	28°37	27°47	11°24	27°51	17°46	4° 2	8°33	15°20	18°31	13°20	12°19	26°49	n.a.	F 10
S 11	20 18 2	2°26'56	13♑33	28°46	10°52	28°28	17°54	4° 4	8°30	15°22	18°31	13°R21	12°16	26°56	n.a.	S 11
S 12	20 21 58	3°25'49	28°30	29°41	10°18	29° 6	18° 1	4° 6	8°28	15°24	18°31	13°20	12°13	27° 3	n.a.	S 12
M13	20 25 55	4°24'44	13♒20	0♍33	9°43	29°43	18° 9	4° 8	8°26	15°26	18°31	13°19	12°10	27° 9	n.a.	M13
T 14	20 29 52	5°23'41	27°54	1°22	9° 8	0♋21	18°17	4°10	8°24	15°28	18°31	13°16	12° 6	27°16	n.a.	T 14
W15	20 33 48	6°22'40	12♓ 7	2° 8	8°32	0°58	18°25	4°12	8°22	15°30	18°31	13°13	12° 3	27°23	n.a.	W15
T 16	20 37 45	7°21'42	25°54	2°50	7°55	1°35	18°33	4°14	8°20	15°32	18°D31	13°10	12° 0	27°29	n.a.	T 16
F 17	20 41 41	8°20'46	9♈16	3°27	7°18	2°13	18°41	4°16	8°18	15°35	18°31	13° 7	11°57	27°36	n.a.	F 17
S 18	20 45 38	9°19'53	22°11	4° 1	6°42	2°50	18°50	4°18	8°16	15°37	18°31	13° 4	11°54	27°43	n.a.	S 18
S 19	20 49 34	10°19'02	4♉44	4°29	6° 6	3°27	18°58	4°21	8°14	15°39	18°31	13° 3	11°51	27°49	n.a.	S 19
M20	20 53 31	11°18'13	16°59	4°52	5°30	4° 4	19° 7	4°23	8°12	15°41	18°31	13°D 3	11°47	27°56	n.a.	M20
T 21	20 57 27	12°17'27	28°59	5°10	4°55	4°42	19°15	4°26	8°11	15°43	18°31	13° 4	11°44	28° 3	n.a.	T 21
W22	21 1 24	13°16'44	10♊51	5°22	4°22	5°19	19°24	4°28	8° 9	15°45	18°31	13° 6	11°41	28° 9	n.a.	W22
T 23	21 5 21	14°16'03	22°38	5°R27	3°50	5°56	19°33	4°31	8° 7	15°47	18°31	13° 8	11°38	28°16	n.a.	T 23
F 24	21 9 17	15°15'25	4♋26	5°25	3°19	6°33	19°43	4°34	8° 5	15°49	18°32	13° 9	11°35	28°23	n.a.	F 24
S 25	21 13 14	16°14'48	16°19	5°15	2°49	7°10	19°52	4°37	8° 3	15°51	18°32	13°R 9	11°31	28°29	n.a.	S 25
S 26	21 17 10	17°14'15	28°18	4°58	2°22	7°47	20° 1	4°40	8° 2	15°53	18°32	13° 8	11°28	28°36	n.a.	S 26
M27	21 21 7	18°13'43	10♌28	4°33	1°56	8°25	20°11	4°43	8° 0	15°55	18°32	13° 5	11°25	28°42	n.a.	M27
T 28	21 25 3	19°13'14	22°50	4° 0	1°33	9° 2	20°20	4°46	7°58	15°57	18°33	13° 1	11°22	28°49	n.a.	T 28
W29	21 29 0	20°12'47	5♍24	3°19	1°12	9°39	20°30	4°50	7°57	15°59	18°33	12°55	11°19	28°56	n.a.	W29
T 30	21 32 56	21°12'22	18°11	2°30	0°53	10°16	20°40	4°53	7°55	16° 1	18°34	12°48	11°16	29° 2	n.a.	T 30
F 31	21 36 53	22♌11'59	1♎12	1♍34	0♌36	10♋53	20♎50	4♏57	7♑54	16♋ 2	18♏34	12♑41	11♑12	29♊ 9	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl	lat
W 1	21n57	9n43	3s35	15n 5	0s52	10n12	6s47	24n32	0n53	5s54	0n53	11s22	1n47	24s10	0s35	23n30	0n28	14s26	3n22	23s12	23s16	25n20			n.a.
T 2	21 47	4 32	4 20	14 33	1 1	10 5	6 58	24 35	0 53	5 56	0 52	11 23	1 47	24 10	0 35	23 29	0 28	14 26	3 22	23 13	23 16	25 19			n.a.
F 3	21 36	0s56	4 54	14 1	1 9	9 59	7 10	24 37	0 54	5 59	0 52	11 23	1 46	24 11	0 35	23 29	0 28	14 26	3 22	23 13	23 16	25 19			n.a.
S 4	21 25	6 27	5 13	13 29	1 18	9 53	7 21	24 40	0 54	6 2	0 52	11 24	1 46	24 11	0 35	23 29	0 28	14 26	3 22	23 13	23 17	25 18			n.a.
S 5	21 14	11 49	5 16	12 57	1 27	9 49	7 32	24 42	0 55	6 5	0 52	11 24	1 46	24 11	0 35	23 29	0 28	14 27	3 22	23 13	23 17	25 17			n.a.
M 6	21 3	16 45	5 2	12 26	1 35	9 46	7 42	24 44	0 55	6 8	0 51	11 25	1 46	24 11	0 35	23 29	0 28	14 27	3 21	23 13	23 17	25 17			n.a.
T 7	20 51	20 55	4 30	11 55	1 44	9 44	7 52	24 46	0 56	6 10	0 51	11 26	1 45	24 11	0 35	23 28	0 28	14 27	3 21	23 13	23 18	25 16			n.a.
W 8	20 38	23 57	3 41	11 25	1 53	9 43	8 1	24 47	0 56	6 13	0 51	11 26	1 45	24 11	0 35	23 28	0 28	14 27	3 21	23 13	23 18	25 15			n.a.
T 9	20 26	25 28	2 36	10 55	2 1	9 43	8 9	24 49	0 57	6 16	0 51	11 27	1 45	24 11	0 35	23 28	0 28	14 27	3 21	23 13	23 18	25 15			n.a.
F 10	20 13	25 14	1 21	10 26	2 10	9 44	8 17	24 50	0 57	6 20	0 50	11 28	1 45	24 12	0 35	23 28	0 28	14 27	3 21	23 13	23 19	25 14			n.a.
S 11	19 59	23 10	0n 1	9 58	2 18	9 45	8 24	24 51	0 58	6 23	0 50	11 29	1 44	24 12	0 35	23 27	0 28	14 27	3 20	23 13	23 19	25 13			n.a.
S 12	19 45	19 30	1 23	9 31	2 27	9 48	8 30	24 52	0 59	6 26	0 50	11 30	1 44	24 12	0 35	23 27	0 28	14 27	3 20	23 13	23 19	25 12			n.a.
M13	19 31	14 37	2 38	9 5	2 35	9 52	8 35	24 53	0 59	6 29	0 50	11 30	1 44	24 12	0 35	23 27	0 28	14 28	3 20	23 13	23 19	25 12			n.a.
T 14	19 17	8 58	3 42	8 40	2 43	9 57	8 40	24 53	1 0	6 32	0 49	11 31	1 44	24 12	0 35	23 27	0 28	14 28	3 20	23 13	23 20	25 11			n.a.
W15	19 2	3 0	4 30	8 16	2 50	10 3	8 43	24 54	1 0	6 36	0 49	11 32	1 43	24 12	0 35	23 26	0 28	14 28	3 20	23 13	23 20	25 10			n.a.
T 16	18 47	2n55	5 1	7 54	2 58	10 10	8 46	24 54	1 1	6 39	0 49	11 33	1 43	24 12	0 35	23 26	0 28	14 28	3 19	23 14	23 20	25 10			n.a.
F 17	18 31	8 32	5 14	7 34	3 4	10 17	8 48	24 54	1 1	6 42	0 49	11 34	1 43	24 12	0 35	23 26	0 28	14 28	3 19	23 14	23 21	25 9			n.a.
S 18	18 15	13 35	5 11	7 16	3 11	10 26	8 48	24 54	1 2	6 46	0 49	11 35	1 43	24 13	0 35	23 26	0 28	14 29	3 19	23 14	23 21	25 8			n.a.
S 19	17 59	17 55	4 52	7 0	3 17	10 35	8 48	24 53	1 2	6 49	0 48	11 36	1 43	24 13	0 35	23 25	0 28	14 29	3 19	23 14	23 21	25 7			n.a.
M20	17 43	21 23	4 21	6 46	3 23	10 44	8 47	24 53	1 3	6 53	0 48	11 37	1 42	24 13	0 35	23 25	0 28	14 29	3 19	23 14	23 21	25 7			n.a.
T 21	17 26	23 52	3 39	6 35	3 27	10 55	8 45	24 52	1 4	6 56	0 48	11 38	1 42	24 13	0 35	23 25	0 28	14 29	3 18	23 14	23 22	25 6			n.a.
W22	17 9	25 16	2 48	6 27	3 31	11 5	8 42	24 51	1 4	7 0	0 48	11 39	1 42	24 13	0 35	23 25	0 28	14 30	3 18	23 14	23 22	25 5			n.a.
T 23	16 52	25 31	1 50	6 22	3 34	11 17	8 38	24 50	1 5	7 4	0 47	11 41	1 42	24 13	0 35	23 25	0 28	14 30	3 18	23 14	23 22	25 4			n.a.
F 24	16 34	24 37	0 48	6 21	3 37	11 28	8 33	24 49	1 5	7 7	0 47	11 42	1 41	24 13	0 35	23 24	0 28	14 30	3 18	23 14	23 23	25 4			n.a.
S 25	16 16	22 35	0s17	6 24	3 38	11 40	8 27	24 47	1 6	7 11	0 47	11 43	1 41	24 13	0 35	23 24	0 28	14 30	3 18	23 14	23 23	25 3			n.a.
S 26	15 58	19 33	1 22	6 30	3 37	11 52	8 21	24 46	1 6	7 15	0 47	11 44	1 41	24 13	0 35	23 24	0 29	14 31	3 17	23 14	23 23	25 2			n.a.
M27	15 39	15 39	2 24	6 41	3 35	12 5	8 14	24 44	1 7	7 19	0 47	11 46	1 41	24 13	0 35	23 24	0 29	14 31	3 17	23 14	23 23	25 1			n.a.
T 28	15 20	11 2	3 19	6 57	3 32	12 17	8 6	24 42	1 7	7 23	0 46	11 47	1 41	24 14	0 35	23 24	0 29	14 31	3 17	23 15	23 24	25 0			n.a.
W29	15 1	5 54	4 7	7 17	3 27	12 30	7 58	24 40	1 8	7 27	0 46	11 48	1 40	24 14	0 35	23 23	0 29	14 31	3 17	23 15	23 24	25 0			n.a.
T 30	14 42	0 27	4 42	7 41	3 19	12 42	7 49	24 38	1 8	7 31	0 46	11 50	1 40	24 14	0 35	23 23	0 29	14 32	3 17	23 16	23 24	24 59			n.a.
F 31	14n22	5s 7	5s 4	8n10	3s10	12n55	7s40	24n35	1n 9	7s35	0n46	11s51	1n40	24s14	0s35	23n23	0n29	14s32	3n16	23s16	23s25	24n58			n.a.

Julian Day Number = 1102536.5, Delta T = 11h01m13s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'45, Lahiri = -27°19'44 Julian Calendar 1 Aug. 1695 BCE == Greg. Calendar 18 July 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

SEPTEMBER 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 40 49	23♌11'38	14♎25	0°R31	0°R21	11♋29	21♎ 0	5♏ 0	7°R52	16♋ 4	18♏35	12°R35	11♑ 9	29♊16	n.a.	S 1
S 2	21 44 46	24°11'19	27°51	29♌23	0♌ 9	12° 6	21°10	5° 4	7♑51	16° 6	18°35	12♑30	11° 6	29°22	n.a.	S 2
M 3	21 48 42	25°11'01	11♏29	28°11	29♋59	12°43	21°20	5° 8	7°49	16° 8	18°36	12°28	11° 3	29°29	n.a.	M 3
T 4	21 52 39	26°10'46	25°20	26°58	29°52	13°20	21°30	5°11	7°48	16°10	18°36	12°D27	11° 0	29°36	n.a.	T 4
W 5	21 56 36	27°10'33	9♐24	25°45	29°48	13°57	21°41	5°15	7°47	16°12	18°37	12°27	10°57	29°42	n.a.	W 5
T 6	22 0 32	28°10'22	23°39	24°34	29°D45	14°34	21°51	5°19	7°46	16°13	18°38	12°28	10°53	29°49	n.a.	T 6
F 7	22 4 29	29°10'12	8♑ 3	23°27	29°45	15°10	22° 2	5°23	7°44	16°15	18°38	12°R29	10°50	29°56	n.a.	F 7
S 8	22 8 25	0♍10'05	22°35	22°27	29°48	15°47	22°13	5°27	7°43	16°17	18°39	12°29	10°47	0♋ 2	n.a.	S 8
S 9	22 12 22	1° 9'59	7♒ 9	21°35	29°53	16°24	22°24	5°32	7°42	16°19	18°40	12°27	10°44	0° 9	n.a.	S 9
M10	22 16 18	2° 9'55	21°39	20°53	29°59	17° 1	22°35	5°36	7°41	16°20	18°40	12°22	10°41	0°16	n.a.	M10
T 11	22 20 15	3° 9'53	6♓ 0	20°21	0♌ 9	17°37	22°46	5°40	7°40	16°22	18°41	12°15	10°37	0°22	n.a.	T 11
W12	22 24 11	4° 9'53	20° 5	20° 0	0°20	18°14	22°57	5°45	7°39	16°24	18°42	12° 7	10°34	0°29	n.a.	W12
T 13	22 28 8	5° 9'56	3♈50	19°D51	0°34	18°50	23° 8	5°49	7°38	16°25	18°43	11°57	10°31	0°36	n.a.	T 13
F 14	22 32 5	6°10'00	17°11	19°53	0°50	19°27	23°19	5°54	7°37	16°27	18°44	11°49	10°28	0°42	n.a.	F 14
S 15	22 36 1	7°10'07	0♉ 9	20° 6	1° 8	20° 4	23°31	5°58	7°36	16°28	18°45	11°41	10°25	0°49	n.a.	S 15
S 16	22 39 58	8°10'16	12°44	20°30	1°27	20°40	23°42	6° 3	7°35	16°30	18°46	11°36	10°22	0°55	n.a.	S 16
M17	22 43 54	9°10'27	25° 0	21° 3	1°49	21°17	23°54	6° 8	7°35	16°31	18°47	11°32	10°18	1° 2	n.a.	M17
T 18	22 47 51	10°10'41	7♊ 2	21°45	2°13	21°53	24° 5	6°13	7°34	16°33	18°48	11°D31	10°15	1° 9	n.a.	T 18
W19	22 51 47	11°10'57	18°54	22°35	2°38	22°29	24°17	6°18	7°33	16°34	18°49	11°31	10°12	1°15	n.a.	W19
T 20	22 55 44	12°11'15	0♋41	23°32	3° 5	23° 6	24°29	6°23	7°32	16°36	18°50	11°32	10° 9	1°22	n.a.	T 20
F 21	22 59 40	13°11'35	12°30	24°35	3°34	23°42	24°40	6°28	7°32	16°37	18°51	11°R32	10° 6	1°29	n.a.	F 21
S 22	23 3 37	14°11'58	24°25	25°44	4° 4	24°18	24°52	6°33	7°31	16°39	18°52	11°31	10° 2	1°35	n.a.	S 22
S 23	23 7 33	15°12'22	6♌31	26°58	4°36	24°55	25° 4	6°38	7°31	16°40	18°53	11°28	9°59	1°42	n.a.	S 23
M24	23 11 30	16°12'49	18°51	28°15	5° 9	25°31	25°16	6°43	7°30	16°41	18°54	11°23	9°56	1°49	n.a.	M24
T 25	23 15 27	17°13'17	1♍27	29°36	5°44	26° 7	25°29	6°48	7°30	16°43	18°55	11°14	9°53	1°55	n.a.	T 25
W26	23 19 23	18°13'47	14°20	1♍ 0	6°20	26°43	25°41	6°54	7°30	16°44	18°57	11° 4	9°50	2° 2	n.a.	W26
T 27	23 23 20	19°14'19	27°30	2°26	6°58	27°20	25°53	6°59	7°29	16°45	18°58	10°52	9°47	2° 9	n.a.	T 27
F 28	23 27 16	20°14'53	10♎56	3°55	7°37	27°56	26° 5	7° 5	7°29	16°46	18°59	10°39	9°43	2°15	n.a.	F 28
S 29	23 31 13	21°15'29	24°33	5°25	8°17	28°32	26°18	7°10	7°29	16°48	19° 0	10°28	9°40	2°22	n.a.	S 29
S 30	23 35 9	22♍16'06	8♏20	6♍56	8♌58	29♋ 8	26♎30	7♏16	7♑29	16♋49	19♏ 2	10♑19	9♑37	2♋29	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n 3	10s31	5s10	8n43	2s59	13n 8	7s30	24n32	1n10	7s39	0n45	11s52	1n40	24s14	0s35	23n23	0n29	14s32	3n16	23s17	23s25	24n57		n.a.
S 2	13 43	15 32	4 59	9 19	2 46	13 20	7 20	24 30	1 10	7 43	0 45	11 54	1 39	24 14	0 35	23 22	0 29	14 33	3 16	23 18	23 25	24 56		n.a.
M 3	13 22	19 51	4 31	9 58	2 31	13 32	7 9	24 27	1 11	7 47	0 45	11 55	1 39	24 14	0 35	23 22	0 29	14 33	3 16	23 18	23 25	24 56		n.a.
T 4	13 2	23 8	3 47	10 39	2 14	13 44	6 59	24 23	1 11	7 51	0 45	11 57	1 39	24 14	0 35	23 22	0 29	14 33	3 16	23 18	23 26	24 55		n.a.
W 5	12 41	25 4	2 49	11 22	1 56	13 56	6 48	24 20	1 12	7 55	0 45	11 58	1 39	24 14	0 35	23 22	0 29	14 34	3 15	23 18	23 26	24 54		n.a.
T 6	12 20	25 24	1 40	12 4	1 37	14 8	6 36	24 17	1 12	7 59	0 44	12 0	1 39	24 14	0 35	23 22	0 29	14 34	3 15	23 18	23 26	24 53		n.a.
F 7	11 59	24 2	0 24	12 45	1 17	14 19	6 25	24 13	1 13	8 3	0 44	12 1	1 38	24 14	0 35	23 21	0 29	14 35	3 15	23 18	23 26	24 52		n.a.
S 8	11 37	21 4	0n54	13 24	0 56	14 30	6 13	24 9	1 13	8 8	0 44	12 3	1 38	24 14	0 35	23 21	0 29	14 35	3 15	23 18	23 27	24 51		n.a.
S 9	11 16	16 45	2 9	14 1	0 36	14 40	6 2	24 5	1 14	8 12	0 44	12 4	1 38	24 14	0 35	23 21	0 29	14 35	3 15	23 18	23 27	24 50		n.a.
M10	10 54	11 29	3 15	14 33	0 16	14 50	5 50	24 1	1 15	8 16	0 44	12 6	1 38	24 14	0 35	23 21	0 29	14 36	3 14	23 18	23 27	24 50		n.a.
T 11	10 32	5 39	4 8	15 1	0n 3	15 0	5 38	23 57	1 15	8 21	0 44	12 8	1 38	24 14	0 35	23 21	0 29	14 36	3 14	23 19	23 27	24 49		n.a.
W12	10 10	0n21	4 44	15 25	0 21	15 9	5 26	23 52	1 16	8 25	0 43	12 9	1 37	24 14	0 35	23 21	0 29	14 37	3 14	23 20	23 28	24 48		n.a.
T 13	9 48	6 10	5 3	15 44	0 38	15 18	5 14	23 48	1 16	8 29	0 43	12 11	1 37	24 15	0 35	23 20	0 29	14 37	3 14	23 21	23 28	24 47		n.a.
F 14	9 25	11 33	5 5	15 58	0 53	15 26	5 2	23 43	1 17	8 34	0 43	12 13	1 37	24 15	0 34	23 20	0 29	14 37	3 14	23 21	23 28	24 46		n.a.
S 15	9 3	16 15	4 51	16 7	1 7	15 34	4 51	23 38	1 17	8 38	0 43	12 15	1 37	24 15	0 34	23 20	0 29	14 38	3 13	23 22	23 29	24 45		n.a.
S 16	8 40	20 7	4 23	16 11	1 19	15 41	4 39	23 33	1 18	8 43	0 43	12 16	1 37	24 15	0 34	23 20	0 29	14 38	3 13	23 23	23 29	24 44		n.a.
M17	8 17	22 59	3 43	16 10	1 30	15 47	4 27	23 28	1 19	8 47	0 42	12 18	1 37	24 15	0 34	23 20	0 29	14 39	3 13	23 23	23 29	24 43		n.a.
T 18	7 54	24 45	2 54	16 5	1 39	15 53	4 16	23 23	1 19	8 52	0 42	12 20	1 36	24 15	0 34	23 20	0 29	14 39	3 13	23 23	23 29	24 42		n.a.
W19	7 30	25 23	1 58	15 55	1 47	15 59	4 4	23 17	1 20	8 56	0 42	12 22	1 36	24 15	0 34	23 19	0 29	14 40	3 13	23 23	23 30	24 41		n.a.
T 20	7 7	24 51	0 58	15 42	1 53	16 4	3 53	23 11	1 20	9 1	0 42	12 23	1 36	24 15	0 34	23 19	0 29	14 40	3 12	23 23	23 30	24 40		n.a.
F 21	6 44	23 12	0s 5	15 26	1 58	16 8	3 42	23 6	1 21	9 5	0 42	12 25	1 36	24 15	0 34	23 19	0 29	14 41	3 12	23 23	23 30	24 39		n.a.
S 22	6 20	20 31	1 8	15 6	2 2	16 11	3 31	23 0	1 21	9 10	0 42	12 27	1 36	24 15	0 34	23 19	0 29	14 41	3 12	23 23	23 30	24 38		n.a.
S 23	5 56	16 55	2 9	14 43	2 5	16 15	3 20	22 54	1 22	9 15	0 41	12 29	1 35	24 15	0 34	23 19	0 29	14 42	3 12	23 23	23 31	24 38		n.a.
M24	5 32	12 32	3 5	14 17	2 7	16 17	3 9	22 47	1 23	9 19	0 41	12 31	1 35	24 15	0 34	23 19	0 29	14 42	3 12	23 24	23 31	24 37		n.a.
T 25	5 8	7 32	3 53	13 49	2 8	16 19	2 58	22 41	1 23	9 24	0 41	12 33	1 35	24 15	0 34	23 18	0 29	14 43	3 11	23 24	23 31	24 36		n.a.
W26	4 44	2 8	4 30	13 19	2 8	16 20	2 48	22 35	1 24	9 29	0 41	12 35	1 35	24 15	0 34	23 18	0 29	14 43	3 11	23 25	23 31	24 35		n.a.
T 27	4 20	3s28	4 54	12 46	2 7	16 20	2 38	22 28	1 24	9 33	0 41	12 37	1 35	24 15	0 34	23 18	0 29	14 44	3 11	23 26	23 31	24 34		n.a.
F 28	3 56	9 1	5 2	12 12	2 6	16 20	2 28	22 21	1 25	9 38	0 41	12 39	1 35	24 15	0 34	23 18	0 29	14 44	3 11	23 27	23 32	24 33		n.a.
S 29	3 32	14 13	4 53	11 37	2 4	16 20	2 18	22 14	1 25	9 43	0 40	12 41	1 34	24 15	0 34	23 18	0 29	14 45	3 11	23 28	23 32	24 32		n.a.
S 30	3n 7	18s45	4s27	11n 0	2n 1	16n18	2s 8	22n 7	1n26	9s47	0n40	12s43	1n34	24s15	0s34	23n18	0n29	14s45	3n11	23s29	23s32	24n31		n.a.

Julian Day Number = 1102567.5, Delta T = 11h01m11s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'40, Lahiri = -27°19'40 Julian Calendar 1 Sept. 1695 BCE == Greg. Calendar 18 Aug. 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

OCTOBER 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 39 6	23♍16'45	22♏14	8♍29	9♌40	29♋44	26♎43	7♏21	7°R29	16♋50	19♏ 3	10°R13	9♑34	2♋35	n.a.	M 1
T 2	23 43 2	24°17'25	6♐13	10° 2	10°23	0♌20	26°55	7°27	7°D29	16°51	19° 4	10♑10	9°31	2°42	n.a.	T 2
W 3	23 46 59	25°18'06	20°15	11°36	11° 8	0°56	27° 8	7°33	7♑29	16°52	19° 6	10°D 9	9°28	2°48	n.a.	W 3
T 4	23 50 56	26°18'49	4♑20	13°10	11°53	1°31	27°21	7°39	7°29	16°53	19° 7	10°R 9	9°24	2°55	n.a.	T 4
F 5	23 54 52	27°19'33	18°27	14°45	12°40	2° 7	27°34	7°45	7°29	16°54	19° 9	10° 8	9°21	3° 2	n.a.	F 5
S 6	23 58 49	28°20'18	2♒35	16°21	13°27	2°43	27°46	7°51	7°29	16°55	19°10	10° 7	9°18	3° 8	n.a.	S 6
S 7	0 2 45	29°21'05	16°42	17°56	14°15	3°19	27°59	7°57	7°29	16°56	19°12	10° 3	9°15	3°15	n.a.	S 7
M 8	0 6 42	0♎21'53	0♓45	19°32	15° 5	3°54	28°12	8° 3	7°30	16°57	19°13	9°56	9°12	3°22	n.a.	M 8
T 9	0 10 38	1°22'42	14°41	21° 7	15°55	4°30	28°25	8° 9	7°30	16°58	19°15	9°46	9° 8	3°28	n.a.	T 9
W10	0 14 35	2°23'32	28°26	22°43	16°45	5° 6	28°38	8°15	7°30	16°59	19°16	9°34	9° 5	3°35	n.a.	W10
T 11	0 18 31	3°24'24	11♈56	24°18	17°37	5°41	28°51	8°21	7°31	16°59	19°18	9°20	9° 2	3°42	n.a.	T 11
F 12	0 22 28	4°25'17	25° 7	25°54	18°29	6°17	29° 4	8°27	7°31	17° 0	19°19	9° 7	8°59	3°48	n.a.	F 12
S 13	0 26 25	5°26'12	7♉59	27°29	19°23	6°52	29°17	8°33	7°32	17° 1	19°21	8°56	8°56	3°55	n.a.	S 13
S 14	0 30 21	6°27'08	20°32	29° 4	20°16	7°28	29°31	8°40	7°32	17° 2	19°23	8°46	8°53	4° 2	n.a.	S 14
M15	0 34 18	7°28'06	2♊47	0♎40	21°11	8° 3	29°44	8°46	7°33	17° 2	19°24	8°40	8°49	4° 8	n.a.	M15
T 16	0 38 14	8°29'05	14°49	2°15	22° 6	8°38	29°57	8°52	7°34	17° 3	19°26	8°36	8°46	4°15	n.a.	T 16
W17	0 42 11	9°30'06	26°40	3°50	23° 2	9°14	0♏10	8°59	7°34	17° 4	19°28	8°35	8°43	4°21	n.a.	W17
T 18	0 46 7	10°31'08	8♋28	5°25	23°58	9°49	0°24	9° 5	7°35	17° 4	19°29	8°34	8°40	4°28	n.a.	T 18
F 19	0 50 4	11°32'12	20°17	7° 0	24°55	10°24	0°37	9°12	7°36	17° 5	19°31	8°34	8°37	4°35	n.a.	F 19
S 20	0 54 0	12°33'17	2♌12	8°34	25°53	10°59	0°51	9°18	7°37	17° 5	19°33	8°33	8°34	4°41	n.a.	S 20
S 21	0 57 57	13°34'23	14°20	10° 9	26°51	11°34	1° 4	9°25	7°38	17° 6	19°35	8°30	8°30	4°48	n.a.	S 21
M22	1 1 54	14°35'30	26°45	11°44	27°50	12° 9	1°18	9°31	7°39	17° 6	19°37	8°24	8°27	4°55	n.a.	M22
T 23	1 5 50	15°36'39	9♍29	13°18	28°49	12°44	1°31	9°38	7°40	17° 7	19°38	8°15	8°24	5° 1	n.a.	T 23
W24	1 9 47	16°37'49	22°36	14°53	29°49	13°19	1°45	9°45	7°41	17° 7	19°40	8° 4	8°21	5° 8	n.a.	W24
T 25	1 13 43	17°38'59	6♎ 5	16°27	0♍49	13°54	1°58	9°51	7°42	17° 7	19°42	7°51	8°18	5°15	n.a.	T 25
F 26	1 17 40	18°40'11	19°54	18° 1	1°49	14°29	2°12	9°58	7°43	17° 8	19°44	7°38	8°14	5°21	n.a.	F 26
S 27	1 21 36	19°41'24	3♏58	19°36	2°50	15° 4	2°25	10° 5	7°45	17° 8	19°46	7°26	8°11	5°28	n.a.	S 27
S 28	1 25 33	20°42'37	18°13	21°10	3°52	15°38	2°39	10°12	7°46	17° 8	19°48	7°17	8° 8	5°35	n.a.	S 28
M29	1 29 29	21°43'51	2♐33	22°45	4°54	16°13	2°53	10°18	7°47	17° 8	19°50	7°10	8° 5	5°41	n.a.	M29
T 30	1 33 26	22°45'06	16°53	24°19	5°56	16°47	3° 6	10°25	7°49	17° 9	19°51	7° 6	8° 2	5°48	n.a.	T 30
W31	1 37 23	23♎46'21	1♑ 9	25♎54	6♍59	17♌22	3♏20	10♏32	7♑50	17♋ 9	19♏53	7°D 4	7♑59	5♋55	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	2n43	22s18	3s45	10n22	1n58	16n16	1s58	22n 0	1n27	9s52	0n40	12s45	1n34	24s15	0s34	23n18	0n29	14s46	3n10	23s29	23s32	24n30			n.a.
T 2	2 19	24 32	2 50	9 43	1 55	16 14	1 49	21 53	1 27	9 57	0 40	12 47	1 34	24 15	0 34	23 18	0 29	14 46	3 10	23 30	23 33	24 29			n.a.
W 3	1 54	25 15	1 43	9 3	1 51	16 10	1 39	21 45	1 28	10 2	0 40	12 49	1 34	24 15	0 34	23 18	0 29	14 47	3 10	23 30	23 33	24 28			n.a.
T 4	1 30	24 20	0 31	8 22	1 46	16 6	1 30	21 38	1 28	10 6	0 40	12 51	1 34	24 15	0 34	23 17	0 29	14 47	3 10	23 30	23 33	24 27			n.a.
F 5	1 5	21 52	0n44	7 40	1 42	16 2	1 21	21 30	1 29	10 11	0 40	12 53	1 33	24 15	0 34	23 17	0 30	14 48	3 10	23 30	23 33	24 26			n.a.
S 6	0 40	18 5	1 56	6 58	1 37	15 56	1 13	21 22	1 29	10 16	0 39	12 55	1 33	24 15	0 34	23 17	0 30	14 49	3 10	23 30	23 34	24 24			n.a.
S 7	0 16	13 16	3 0	6 15	1 31	15 51	1 4	21 15	1 30	10 21	0 39	12 57	1 33	24 15	0 34	23 17	0 30	14 49	3 9	23 30	23 34	24 23			n.a.
M 8	0s 9	7 47	3 54	5 32	1 26	15 44	0 56	21 7	1 31	10 26	0 39	12 59	1 33	24 14	0 34	23 17	0 30	14 50	3 9	23 31	23 34	24 22			n.a.
T 9	0 33	1 58	4 32	4 49	1 20	15 37	0 48	20 58	1 31	10 31	0 39	13 1	1 33	24 14	0 34	23 17	0 30	14 50	3 9	23 32	23 34	24 21			n.a.
W10	0 58	3n51	4 55	4 5	1 14	15 29	0 39	20 50	1 32	10 35	0 39	13 4	1 33	24 14	0 34	23 17	0 30	14 51	3 9	23 32	23 34	24 20			n.a.
T 11	1 23	9 23	5 0	3 21	1 9	15 21	0 32	20 42	1 32	10 40	0 39	13 6	1 33	24 14	0 34	23 17	0 30	14 52	3 9	23 33	23 35	24 19			n.a.
F 12	1 47	14 22	4 49	2 37	1 2	15 11	0 24	20 33	1 33	10 45	0 39	13 8	1 32	24 14	0 34	23 17	0 30	14 52	3 8	23 34	23 35	24 18			n.a.
S 13	2 12	18 34	4 23	1 52	0 56	15 2	0 16	20 25	1 34	10 50	0 38	13 10	1 32	24 14	0 34	23 17	0 30	14 53	3 8	23 35	23 35	24 17			n.a.
S 14	2 37	21 50	3 45	1 8	0 50	14 51	0 9	20 16	1 34	10 55	0 38	13 12	1 32	24 14	0 34	23 17	0 30	14 53	3 8	23 36	23 35	24 16			n.a.
M15	3 1	24 0	2 57	0 24	0 44	14 41	0 2	20 7	1 35	11 0	0 38	13 14	1 32	24 14	0 34	23 17	0 30	14 54	3 8	23 36	23 36	24 15			n.a.
T 16	3 26	25 2	2 2	0s21	0 37	14 29	0n 5	19 58	1 35	11 5	0 38	13 17	1 32	24 14	0 34	23 16	0 30	14 55	3 8	23 36	23 36	24 14			n.a.
W17	3 50	24 54	1 3	1 5	0 31	14 17	0 12	19 50	1 36	11 9	0 38	13 19	1 32	24 14	0 34	23 16	0 30	14 55	3 8	23 37	23 36	24 13			n.a.
T 18	4 14	23 38	0 1	1 49	0 24	14 4	0 18	19 40	1 37	11 14	0 38	13 21	1 32	24 14	0 34	23 16	0 30	14 56	3 8	23 37	23 36	24 12			n.a.
F 19	4 39	21 19	1s 2	2 34	0 18	13 51	0 25	19 31	1 37	11 19	0 38	13 23	1 32	24 14	0 34	23 16	0 30	14 56	3 7	23 37	23 36	24 10			n.a.
S 20	5 3	18 4	2 2	3 18	0 11	13 37	0 31	19 22	1 38	11 24	0 37	13 25	1 31	24 14	0 34	23 16	0 30	14 57	3 7	23 37	23 37	24 9			n.a.
S 21	5 27	14 1	2 57	4 1	0 4	13 22	0 37	19 13	1 38	11 29	0 37	13 28	1 31	24 14	0 34	23 16	0 30	14 58	3 7	23 37	23 37	24 8			n.a.
M22	5 51	9 18	3 46	4 45	0s 2	13 7	0 43	19 3	1 39	11 34	0 37	13 30	1 31	24 14	0 34	23 16	0 30	14 58	3 7	23 37	23 37	24 7			n.a.
T 23	6 15	4 5	4 24	5 29	0 9	12 52	0 49	18 54	1 40	11 39	0 37	13 32	1 31	24 14	0 34	23 16	0 30	14 59	3 7	23 38	23 37	24 6			n.a.
W24	6 39	1s26	4 50	6 12	0 15	12 36	0 54	18 44	1 40	11 44	0 37	13 34	1 31	24 13	0 34	23 16	0 30	15 0	3 7	23 38	23 37	24 5			n.a.
T 25	7 3	7 3	5 1	6 55	0 21	12 19	1 0	18 34	1 41	11 48	0 37	13 37	1 31	24 13	0 34	23 16	0 30	15 0	3 6	23 39	23 38	24 4			n.a.
F 26	7 27	12 26	4 54	7 37	0 28	12 2	1 5	18 25	1 41	11 53	0 37	13 39	1 31	24 13	0 34	23 16	0 30	15 1	3 6	23 40	23 38	24 2			n.a.
S 27	7 51	17 18	4 30	8 20	0 34	11 44	1 10	18 15	1 42	11 58	0 37	13 41	1 31	24 13	0 34	23 16	0 30	15 2	3 6	23 41	23 38	24 1			n.a.
S 28	8 14	21 13	3 48	9 2	0 40	11 26	1 15	18 5	1 43	12 3	0 36	13 43	1 31	24 13	0 34	23 16	0 30	15 2	3 6	23 41	23 38	24 0			n.a.
M29	8 37	23 52	2 52	9 43	0 46	11 7	1 20	17 55	1 43	12 8	0 36	13 46	1 30	24 13	0 34	23 16	0 30	15 3	3 6	23 42	23 38	23 59			n.a.
T 30	9 1	24 58	1 45	10 24	0 52	10 48	1 24	17 45	1 44	12 13	0 36	13 48	1 30	24 13	0 33	23 16	0 30	15 3	3 6	23 42	23 39	23 58			n.a.
W31	9s24	24s25	0s31	11s 5	0s58	10n29	1n28	17n35	1n45	12s18	0n36	13s50	1n30	24s13	0s33	23n16	0n30	15s 4	3n 6	23s42	23s39	23n57			n.a.

Julian Day Number = 1102597.5, Delta T = 11h01m09s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'36, Lahiri = -27°19'36 Julian Calendar 1 Oct. 1695 BCE == Greg. Calendar 17 Sept. 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

NOVEMBER 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 41 19	24♎47'37	15♉19	27♎29	8♍ 2	17♌56	3♏34	10♏39	7♉52	17♋ 9	19♏55	7♉ 4	7♉55	6♋ 1	n.a.	T 1
F 2	1 45 16	25°48'52	29°22	29° 3	9° 5	18°31	3°48	10°46	7°53	17° 9	19°57	7°R 5	7°52	6° 8	n.a.	F 2
S 3	1 49 12	26°50'08	13♒17	0♏38	10° 9	19° 5	4° 1	10°53	7°55	17° 9	19°59	7° 3	7°49	6°14	n.a.	S 3
S 4	1 53 9	27°51'25	27° 4	2°13	11°13	19°39	4°15	11° 0	7°56	17°R 9	20° 1	7° 0	7°46	6°21	n.a.	S 4
M 5	1 57 5	28°52'41	10♓43	3°48	12°17	20°13	4°29	11° 6	7°58	17° 9	20° 3	6°54	7°43	6°28	n.a.	M 5
T 6	2 1 2	29°53'57	24°13	5°24	13°22	20°47	4°43	11°13	8° 0	17° 9	20° 5	6°45	7°39	6°34	n.a.	T 6
W 7	2 4 58	0♏55'14	7♈31	6°59	14°27	21°21	4°57	11°20	8° 1	17° 9	20° 7	6°34	7°36	6°41	n.a.	W 7
T 8	2 8 55	1°56'31	20°38	8°34	15°32	21°55	5°10	11°27	8° 3	17° 9	20° 9	6°22	7°33	6°48	n.a.	T 8
F 9	2 12 52	2°57'49	3♉31	10°10	16°37	22°29	5°24	11°34	8° 5	17° 8	20°11	6°10	7°30	6°54	n.a.	F 9
S 10	2 16 48	3°59'06	16° 9	11°46	17°43	23° 3	5°38	11°41	8° 7	17° 8	20°13	6° 0	7°27	7° 1	n.a.	S 10
S 11	2 20 45	5° 0'24	28°32	13°22	18°49	23°37	5°52	11°48	8° 9	17° 8	20°15	5°51	7°24	7° 8	n.a.	S 11
M12	2 24 41	6° 1'43	10♊42	14°58	19°56	24°10	6° 6	11°55	8°11	17° 8	20°17	5°45	7°20	7°14	n.a.	M12
T 13	2 28 38	7° 3'01	22°41	16°34	21° 2	24°44	6°20	12° 2	8°13	17° 7	20°20	5°42	7°17	7°21	n.a.	T 13
W14	2 32 34	8° 4'20	4♋32	18°10	22° 9	25°17	6°33	12° 9	8°15	17° 7	20°22	5°D41	7°14	7°28	n.a.	W14
T 15	2 36 31	9° 5'40	16°18	19°47	23°16	25°51	6°47	12°16	8°17	17° 7	20°24	5°42	7°11	7°34	n.a.	T 15
F 16	2 40 28	10° 6'59	28° 6	21°23	24°23	26°24	7° 1	12°23	8°19	17° 6	20°26	5°43	7° 8	7°41	n.a.	F 16
S 17	2 44 24	11° 8'19	10♌ 1	22°59	25°31	26°57	7°15	12°31	8°21	17° 6	20°28	5°R43	7° 5	7°47	n.a.	S 17
S 18	2 48 21	12° 9'39	22° 7	24°35	26°39	27°30	7°29	12°38	8°24	17° 5	20°30	5°43	7° 1	7°54	n.a.	S 18
M19	2 52 17	13°10'59	4♍30	26°11	27°47	28° 3	7°43	12°45	8°26	17° 5	20°32	5°40	6°58	8° 1	n.a.	M19
T 20	2 56 14	14°12'20	17°15	27°47	28°55	28°36	7°56	12°52	8°28	17° 4	20°34	5°35	6°55	8° 7	n.a.	T 20
W21	3 0 10	15°13'40	0♎25	29°22	0♎ 3	29° 9	8°10	12°59	8°30	17° 4	20°36	5°29	6°52	8°14	n.a.	W21
T 22	3 4 7	16°15'00	14° 1	0♐57	1°12	29°42	8°24	13° 6	8°33	17° 3	20°38	5°21	6°49	8°21	n.a.	T 22
F 23	3 8 3	17°16'21	28° 2	2°31	2°20	0♍15	8°38	13°13	8°35	17° 3	20°40	5°12	6°45	8°27	n.a.	F 23
S 24	3 12 0	18°17'41	12♏25	4° 4	3°29	0°47	8°51	13°20	8°38	17° 2	20°43	5° 4	6°42	8°34	n.a.	S 24
S 25	3 15 57	19°19'01	27° 3	5°35	4°38	1°20	9° 5	13°27	8°40	17° 1	20°45	4°58	6°39	8°41	n.a.	S 25
M26	3 19 53	20°20'20	11♐50	7° 6	5°47	1°52	9°19	13°34	8°43	17° 1	20°47	4°53	6°36	8°47	n.a.	M26
T 27	3 23 50	21°21'39	26°37	8°34	6°56	2°24	9°33	13°41	8°45	17° 0	20°49	4°51	6°33	8°54	n.a.	T 27
W28	3 27 46	22°22'58	11♑18	10° 0	8° 6	2°56	9°46	13°48	8°48	16°59	20°51	4°D51	6°30	9° 1	n.a.	W28
T 29	3 31 43	23°24'15	25°47	11°24	9°15	3°28	10° 0	13°55	8°51	16°58	20°53	4°52	6°26	9° 7	n.a.	T 29
F 30	3 35 39	24♏25'32	10♒ 1	12♐45	10♎25	4♍ 0	10♏14	14♏ 2	8♉53	16♋57	20♏55	4♉54	6♉23	9♋14	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s47	22s16	0n44	11s45	1s 4	10n 9	1n33	17n24	1n45	12s23	0n36	13s52	1n30	24s13	0s33	23n16	0n30	15s 5	3n 5	23s42	23s39	23n55		n.a.
F 2	10 9	18 47	1 56	12 25	1 9	9 48	1 37	17 14	1 46	12 27	0 36	13 55	1 30	24 13	0 33	23 16	0 30	15 5	3 5	23 42	23 39	23 54		n.a.
S 3	10 32	14 17	3 0	13 4	1 15	9 27	1 41	17 4	1 46	12 32	0 36	13 57	1 30	24 12	0 33	23 16	0 30	15 6	3 5	23 42	23 39	23 53		n.a.
S 4	10 55	9 5	3 53	13 43	1 20	9 6	1 44	16 53	1 47	12 37	0 36	13 59	1 30	24 12	0 33	23 16	0 30	15 7	3 5	23 42	23 40	23 52		n.a.
M 5	11 17	3 30	4 32	14 21	1 25	8 44	1 48	16 43	1 48	12 42	0 36	14 1	1 30	24 12	0 33	23 16	0 30	15 7	3 5	23 43	23 40	23 51		n.a.
T 6	11 39	2n10	4 56	14 58	1 30	8 22	1 51	16 33	1 48	12 47	0 35	14 4	1 30	24 12	0 33	23 16	0 30	15 8	3 5	23 43	23 40	23 49		n.a.
W 7	12 1	7 39	5 3	15 35	1 34	8 0	1 55	16 22	1 49	12 52	0 35	14 6	1 30	24 12	0 33	23 16	0 30	15 9	3 5	23 44	23 40	23 48		n.a.
T 8	12 22	12 43	4 54	16 11	1 39	7 37	1 58	16 11	1 50	12 56	0 35	14 8	1 30	24 12	0 33	23 16	0 31	15 9	3 5	23 44	23 40	23 47		n.a.
F 9	12 44	17 8	4 30	16 46	1 43	7 14	2 1	16 1	1 50	13 1	0 35	14 10	1 29	24 12	0 33	23 16	0 31	15 10	3 4	23 45	23 41	23 46		n.a.
S 10	13 5	20 41	3 53	17 21	1 47	6 50	2 4	15 50	1 51	13 6	0 35	14 13	1 29	24 11	0 33	23 17	0 31	15 11	3 4	23 45	23 41	23 44		n.a.
S 11	13 26	23 13	3 5	17 54	1 51	6 26	2 6	15 39	1 52	13 11	0 35	14 15	1 29	24 11	0 33	23 17	0 31	15 11	3 4	23 46	23 41	23 43		n.a.
M12	13 47	24 37	2 10	18 27	1 54	6 2	2 9	15 28	1 52	13 15	0 35	14 17	1 29	24 11	0 33	23 17	0 31	15 12	3 4	23 46	23 41	23 42		n.a.
T 13	14 7	24 50	1 9	18 58	1 57	5 37	2 11	15 18	1 53	13 20	0 35	14 19	1 29	24 11	0 33	23 17	0 31	15 13	3 4	23 46	23 41	23 41		n.a.
W14	14 28	23 55	0 6	19 29	2 0	5 12	2 13	15 7	1 53	13 25	0 35	14 22	1 29	24 11	0 33	23 17	0 31	15 13	3 4	23 46	23 41	23 39		n.a.
T 15	14 48	21 56	0s57	19 59	2 2	4 47	2 15	14 56	1 54	13 30	0 35	14 24	1 29	24 11	0 33	23 17	0 31	15 14	3 4	23 46	23 42	23 38		n.a.
F 16	15 8	19 1	1 58	20 27	2 4	4 22	2 17	14 45	1 55	13 34	0 34	14 26	1 29	24 11	0 33	23 17	0 31	15 15	3 4	23 46	23 42	23 37		n.a.
S 17	15 27	15 17	2 54	20 54	2 6	3 56	2 19	14 34	1 55	13 39	0 34	14 28	1 29	24 10	0 33	23 17	0 31	15 15	3 3	23 46	23 42	23 36		n.a.
S 18	15 46	10 53	3 43	21 20	2 7	3 30	2 21	14 23	1 56	13 44	0 34	14 31	1 29	24 10	0 33	23 17	0 31	15 16	3 3	23 46	23 42	23 34		n.a.
M19	16 5	5 57	4 24	21 44	2 8	3 4	2 22	14 12	1 57	13 48	0 34	14 33	1 29	24 10	0 33	23 17	0 31	15 17	3 3	23 46	23 42	23 33		n.a.
T 20	16 24	0 39	4 52	22 7	2 8	2 38	2 24	14 1	1 57	13 53	0 34	14 35	1 29	24 10	0 33	23 17	0 31	15 17	3 3	23 46	23 42	23 32		n.a.
W21	16 43	4s50	5 6	22 28	2 8	2 11	2 25	13 49	1 58	13 58	0 34	14 37	1 29	24 10	0 33	23 17	0 31	15 18	3 3	23 47	23 43	23 30		n.a.
T 22	17 1	10 17	5 4	22 48	2 7	1 44	2 26	13 38	1 59	14 2	0 34	14 39	1 29	24 10	0 33	23 18	0 31	15 19	3 3	23 47	23 43	23 29		n.a.
F 23	17 19	15 22	4 44	23 6	2 5	1 18	2 27	13 27	1 59	14 7	0 34	14 42	1 29	24 9	0 33	23 18	0 31	15 19	3 3	23 47	23 43	23 28		n.a.
S 24	17 36	19 44	4 5	23 22	2 3	0 51	2 28	13 16	2 0	14 11	0 34	14 44	1 29	24 9	0 33	23 18	0 31	15 20	3 3	23 48	23 43	23 27		n.a.
S 25	17 53	22 57	3 10	23 37	2 0	0 23	2 28	13 5	2 1	14 16	0 34	14 46	1 28	24 9	0 33	23 18	0 31	15 21	3 3	23 48	23 43	23 25		n.a.
M26	18 10	24 38	2 1	23 49	1 57	0s 4	2 29	12 54	2 1	14 20	0 34	14 48	1 28	24 9	0 33	23 18	0 31	15 21	3 3	23 48	23 43	23 24		n.a.
T 27	18 27	24 35	0 45	24 0	1 52	0 31	2 30	12 42	2 2	14 25	0 34	14 50	1 28	24 9	0 33	23 18	0 31	15 22	3 2	23 48	23 44	23 23		n.a.
W28	18 43	22 49	0n35	24 8	1 47	0 59	2 30	12 31	2 3	14 29	0 33	14 53	1 28	24 9	0 33	23 18	0 31	15 23	3 2	23 48	23 44	23 21		n.a.
T 29	18 59	19 34	1 51	24 14	1 41	1 27	2 30	12 20	2 3	14 34	0 33	14 55	1 28	24 8	0 33	23 18	0 31	15 23	3 2	23 48	23 44	23 20		n.a.
F 30	19s14	15s12	2n59	24s18	1s33	1s54	2n30	12n 9	2n 4	14s38	0n33	14s57	1n28	24s 8	0s33	23n19	0n31	15s24	3n 2	23s48	23s44	23n19		n.a.

Julian Day Number = 1102628.5, Delta T = 11h01m07s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'32, Lahiri = -27°19'32 Julian Calendar 1 Nov. 1695 BCE == Greg. Calendar 18 Oct. 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1695 BCE
geocentric

DECEMBER 1695 BCE (-1694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 39 36	25♏26'48	23♒59	14♐ 1	11♎35	4♍32	10♏27	14♏ 9	8♑56	16°R56	20♏57	4°R54	6♑20	9♋21	n.a.	S 1
S 2	3 43 33	26°28'03	7♓40	15°14	12°45	5° 4	10°41	14°16	8°59	16♋56	21° 0	4♑54	6°17	9°27	n.a.	S 2
M 3	3 47 29	27°29'16	21° 5	16°21	13°55	5°35	10°55	14°23	9° 1	16°55	21° 2	4°51	6°14	9°34	n.a.	M 3
T 4	3 51 26	28°30'29	4♈16	17°23	15° 5	6° 7	11° 8	14°30	9° 4	16°54	21° 4	4°47	6°11	9°40	n.a.	T 4
W 5	3 55 22	29°31'41	17°13	18°18	16°15	6°38	11°22	14°37	9° 7	16°53	21° 6	4°42	6° 7	9°47	n.a.	W 5
T 6	3 59 19	0♐32'52	29°57	19° 5	17°26	7° 9	11°35	14°43	9°10	16°52	21° 8	4°36	6° 4	9°54	n.a.	T 6
F 7	4 3 15	1°34'02	12♉29	19°44	18°36	7°40	11°49	14°50	9°13	16°51	21°10	4°29	6° 1	10° 0	n.a.	F 7
S 8	4 7 12	2°35'11	24°50	20°14	19°47	8°11	12° 2	14°57	9°16	16°50	21°12	4°24	5°58	10° 7	n.a.	S 8
S 9	4 11 9	3°36'20	7♊ 0	20°33	20°58	8°42	12°15	15° 4	9°19	16°48	21°14	4°20	5°55	10°14	n.a.	S 9
M10	4 15 5	4°37'27	19° 1	20°R42	22° 9	9°12	12°29	15°11	9°21	16°47	21°16	4°17	5°51	10°20	n.a.	M10
T 11	4 19 2	5°38'33	0♋55	20°40	23°19	9°43	12°42	15°18	9°24	16°46	21°18	4°D16	5°48	10°27	n.a.	T 11
W12	4 22 58	6°39'39	12°44	20°26	24°30	10°13	12°55	15°24	9°27	16°45	21°20	4°16	5°45	10°34	n.a.	W12
T 13	4 26 55	7°40'44	24°31	20° 1	25°42	10°44	13° 9	15°31	9°30	16°44	21°22	4°17	5°42	10°40	n.a.	T 13
F 14	4 30 51	8°41'47	6♌19	19°24	26°53	11°14	13°22	15°38	9°34	16°43	21°24	4°19	5°39	10°47	n.a.	F 14
S 15	4 34 48	9°42'50	18°13	18°37	28° 4	11°44	13°35	15°44	9°37	16°41	21°26	4°21	5°36	10°54	n.a.	S 15
S 16	4 38 44	10°43'52	0♍18	17°41	29°15	12°13	13°48	15°51	9°40	16°40	21°29	4°22	5°32	11° 0	n.a.	S 16
M17	4 42 41	11°44'53	12°38	16°38	0♏27	12°43	14° 1	15°58	9°43	16°39	21°31	4°R23	5°29	11° 7	n.a.	M17
T 18	4 46 38	12°45'53	25°18	15°28	1°38	13°12	14°14	16° 4	9°46	16°37	21°33	4°22	5°26	11°14	n.a.	T 18
W19	4 50 34	13°46'52	8♎22	14°15	2°50	13°42	14°27	16°11	9°49	16°36	21°35	4°20	5°23	11°20	n.a.	W19
T 20	4 54 31	14°47'50	21°53	13° 1	4° 1	14°11	14°40	16°17	9°52	16°35	21°37	4°18	5°20	11°27	n.a.	T 20
F 21	4 58 27	15°48'47	5♏52	11°47	5°13	14°40	14°53	16°24	9°56	16°33	21°38	4°15	5°16	11°33	n.a.	F 21
S 22	5 2 24	16°49'43	20°17	10°36	6°25	15° 8	15° 6	16°30	9°59	16°32	21°40	4°13	5°13	11°40	n.a.	S 22
S 23	5 6 20	17°50'37	5♐ 4	9°30	7°37	15°37	15°19	16°37	10° 2	16°31	21°42	4°11	5°10	11°47	n.a.	S 23
M24	5 10 17	18°51'31	20° 5	8°29	8°48	16° 5	15°31	16°43	10° 5	16°29	21°44	4°10	5° 7	11°53	n.a.	M24
T 25	5 14 14	19°52'23	5♑13	7°36	10° 0	16°33	15°44	16°49	10° 9	16°28	21°46	4°D 9	5° 4	12° 0	n.a.	T 25
W26	5 18 10	20°53'13	20°17	6°49	11°12	17° 1	15°57	16°55	10°12	16°26	21°48	4°10	5° 1	12° 7	n.a.	W26
T 27	5 22 7	21°54'02	5♒ 9	6°11	12°24	17°29	16° 9	17° 2	10°15	16°25	21°50	4°11	4°57	12°13	n.a.	T 27
F 28	5 26 3	22°54'49	19°44	5°42	13°36	17°57	16°22	17° 8	10°18	16°23	21°52	4°12	4°54	12°20	n.a.	F 28
S 29	5 30 0	23°55'34	3♓56	5°20	14°48	18°24	16°34	17°14	10°22	16°22	21°54	4°13	4°51	12°27	n.a.	S 29
S 30	5 33 56	24°56'17	17°45	5° 7	16° 1	18°51	16°47	17°20	10°25	16°20	21°56	4°13	4°48	12°33	n.a.	S 30
M31	5 37 53	25♐56'58	1♈11	5°D 1	17♏13	19♍18	16♏59	17♏26	10♑28	16♋19	21♏57	4°R13	4♑45	12♋40	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s29	10s 5	3n56	24s20	1s25	2s22	2n30	11n58	2n 5	14s43	0n33	14s59	1n28	24s 8	0s33	23n19	0n31	15s25	3n 2	23s48	23s44	23n17		n.a.
S 2	19 44	4 35	4 37	24 19	1 16	2 50	2 30	11 46	2 6	14 47	0 33	15 1	1 28	24 8	0 33	23 19	0 31	15 25	3 2	23 48	23 44	23 16		n.a.
M 3	19 58	1n 1	5 2	24 16	1 6	3 18	2 30	11 35	2 6	14 51	0 33	15 3	1 28	24 8	0 33	23 19	0 31	15 26	3 2	23 48	23 45	23 14		n.a.
T 4	20 12	6 28	5 11	24 11	0 54	3 46	2 29	11 24	2 7	14 56	0 33	15 5	1 28	24 7	0 33	23 19	0 31	15 27	3 2	23 48	23 45	23 13		n.a.
W 5	20 26	11 33	5 4	24 3	0 42	4 14	2 29	11 13	2 8	15 0	0 33	15 7	1 28	24 7	0 33	23 19	0 31	15 27	3 2	23 48	23 45	23 12		n.a.
T 6	20 39	16 3	4 42	23 54	0 28	4 41	2 28	11 2	2 8	15 4	0 33	15 9	1 28	24 7	0 33	23 19	0 31	15 28	3 2	23 49	23 45	23 10		n.a.
F 7	20 52	19 46	4 6	23 42	0 13	5 9	2 28	10 50	2 9	15 9	0 33	15 12	1 28	24 7	0 33	23 20	0 31	15 28	3 2	23 49	23 45	23 9		n.a.
S 8	21 4	22 33	3 19	23 28	0n 3	5 37	2 27	10 39	2 10	15 13	0 33	15 14	1 28	24 6	0 33	23 20	0 31	15 29	3 1	23 49	23 45	23 8		n.a.
S 9	21 16	24 15	2 24	23 13	0 20	6 5	2 26	10 28	2 10	15 17	0 33	15 16	1 28	24 6	0 33	23 20	0 31	15 30	3 1	23 49	23 45	23 6		n.a.
M10	21 28	24 48	1 23	22 56	0 38	6 33	2 25	10 17	2 11	15 21	0 33	15 18	1 28	24 6	0 33	23 20	0 31	15 30	3 1	23 49	23 46	23 5		n.a.
T 11	21 39	24 12	0 18	22 37	0 56	7 0	2 24	10 6	2 12	15 26	0 32	15 20	1 28	24 6	0 33	23 20	0 31	15 31	3 1	23 49	23 46	23 3		n.a.
W12	21 50	22 30	0s46	22 17	1 15	7 28	2 23	9 55	2 12	15 30	0 32	15 22	1 28	24 6	0 33	23 20	0 31	15 32	3 1	23 49	23 46	23 2		n.a.
T 13	22 0	19 50	1 49	21 56	1 34	7 55	2 21	9 44	2 13	15 34	0 32	15 24	1 28	24 5	0 33	23 21	0 31	15 32	3 1	23 49	23 46	23 0		n.a.
F 14	22 10	16 21	2 48	21 35	1 53	8 23	2 20	9 33	2 14	15 38	0 32	15 26	1 28	24 5	0 33	23 21	0 32	15 33	3 1	23 49	23 46	22 59		n.a.
S 15	22 20	12 11	3 39	21 12	2 12	8 50	2 18	9 22	2 15	15 42	0 32	15 28	1 28	24 5	0 33	23 21	0 32	15 33	3 1	23 49	23 46	22 58		n.a.
S 16	22 29	7 30	4 22	20 50	2 29	9 17	2 17	9 11	2 15	15 46	0 32	15 30	1 28	24 5	0 33	23 21	0 32	15 34	3 1	23 49	23 46	22 56		n.a.
M17	22 37	2 26	4 54	20 28	2 46	9 44	2 15	9 0	2 16	15 50	0 32	15 31	1 28	24 4	0 33	23 21	0 32	15 35	3 1	23 49	23 47	22 55		n.a.
T 18	22 45	2s51	5 12	20 6	3 0	10 11	2 14	8 49	2 17	15 54	0 32	15 33	1 28	24 4	0 33	23 21	0 32	15 35	3 1	23 49	23 47	22 53		n.a.
W19	22 53	8 11	5 15	19 45	3 13	10 37	2 12	8 38	2 17	15 58	0 32	15 35	1 28	24 4	0 33	23 22	0 32	15 36	3 1	23 49	23 47	22 52		n.a.
T 20	23 0	13 19	5 1	19 26	3 23	11 4	2 10	8 27	2 18	16 2	0 32	15 37	1 28	24 4	0 33	23 22	0 32	15 36	3 1	23 49	23 47	22 50		n.a.
F 21	23 7	17 57	4 29	19 9	3 31	11 30	2 8	8 17	2 19	16 6	0 32	15 39	1 28	24 3	0 33	23 22	0 32	15 37	3 1	23 49	23 47	22 49		n.a.
S 22	23 14	21 40	3 40	18 53	3 37	11 56	2 6	8 6	2 20	16 10	0 32	15 41	1 28	24 3	0 33	23 22	0 32	15 37	3 0	23 49	23 47	22 47		n.a.
S 23	23 19	24 4	2 34	18 40	3 40	12 22	2 4	7 55	2 20	16 14	0 32	15 43	1 28	24 3	0 33	23 22	0 32	15 38	3 0	23 49	23 47	22 46		n.a.
M24	23 25	24 48	1 17	18 30	3 41	12 47	2 2	7 45	2 21	16 18	0 32	15 45	1 28	24 3	0 33	23 23	0 32	15 39	3 0	23 50	23 47	22 45		n.a.
T 25	23 30	23 41	0n 6	18 22	3 40	13 12	1 59	7 34	2 22	16 21	0 32	15 46	1 28	24 2	0 33	23 23	0 32	15 39	3 0	23 50	23 48	22 43		n.a.
W26	23 34	20 52	1 28	18 18	3 37	13 37	1 57	7 24	2 22	16 25	0 32	15 48	1 28	24 2	0 33	23 23	0 32	15 40	3 0	23 50	23 48	22 42		n.a.
T 27	23 38	16 41	2 44	18 16	3 33	14 2	1 55	7 13	2 23	16 29	0 31	15 50	1 28	24 2	0 33	23 23	0 32	15 40	3 0	23 49	23 48	22 40		n.a.
F 28	23 42	11 35	3 47	18 16	3 27	14 26	1 52	7 3	2 24	16 33	0 31	15 52	1 28	24 2	0 33	23 23	0 32	15 41	3 0	23 49	23 48	22 39		n.a.
S 29	23 45	6 0	4 35	18 20	3 19	14 50	1 50	6 53	2 25	16 36	0 31	15 53	1 28	24 1	0 33	23 24	0 32	15 41	3 0	23 49	23 48	22 37		n.a.
S 30	23 48	0 16	5 5	18 25	3 11	15 14	1 47	6 43	2 25	16 40	0 31	15 55	1 28	24 1	0 33	23 24	0 32	15 42	3 0	23 49	23 48	22 36		n.a.
M31	23s50	5n19	5n17	18s33	3n 2	15s37	1n45	6n33	2n26	16s44	0n31	15s57	1n28	24s 1	0s33	23n24	0n32	15s42	3n 0	23s49	23s48	22n34		n.a.

Julian Day Number = 1102658.5, Delta T = 11h01m05s
Ecliptic obliquity = 23°53'32, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'28, Lahiri = -27°19'28 Julian Calendar 1 Dec. 1695 BCE == Greg. Calendar 17 Nov. 1695 BCE

The year -1694 astronomical counting style corresponds to year 1695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

JANUARY 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 41 49	26♐57'37	14♈15	5♐ 2	18♏25	19♍45	17♏11	17♏32	10♑32	16°R17	21♏59	4°R13	4♑42	12♋47	n.a.	T 1
W 2	5 45 46	27°58'14	27° 0	5°11	19°37	20°11	17°23	17°38	10°35	16♋16	22° 1	4♑12	4°38	12°53	n.a.	W 2
T 3	5 49 43	28°58'49	9♉30	5°25	20°49	20°38	17°35	17°44	10°39	16°14	22° 3	4°11	4°35	13° 0	n.a.	T 3
F 4	5 53 39	29°59'23	21°46	5°46	22° 2	21° 4	17°47	17°50	10°42	16°13	22° 5	4°11	4°32	13° 7	n.a.	F 4
S 5	5 57 36	0♑59'54	3♊52	6°12	23°14	21°29	17°59	17°56	10°45	16°11	22° 6	4°10	4°29	13°13	n.a.	S 5
S 6	6 1 32	2° 0'24	15°50	6°44	24°26	21°55	18°11	18° 1	10°49	16° 9	22° 8	4°10	4°26	13°20	n.a.	S 6
M 7	6 5 29	3° 0'51	27°43	7°20	25°39	22°20	18°23	18° 7	10°52	16° 8	22°10	4°10	4°23	13°26	n.a.	M 7
T 8	6 9 25	4° 1'17	9♋32	8° 1	26°51	22°45	18°34	18°13	10°56	16° 6	22°12	4°10	4°19	13°33	n.a.	T 8
W 9	6 13 22	5° 1'41	21°20	8°45	28° 4	23°10	18°46	18°18	10°59	16° 5	22°13	4°10	4°16	13°40	n.a.	W 9
T 10	6 17 18	6° 2'04	3♌ 9	9°33	29°16	23°34	18°58	18°24	11° 2	16° 3	22°15	4°10	4°13	13°46	n.a.	T 10
F 11	6 21 15	7° 2'24	15° 1	10°25	0♗29	23°59	19° 9	18°29	11° 6	16° 1	22°16	4° 9	4°10	13°53	n.a.	F 11
S 12	6 25 12	8° 2'43	26°59	11°20	1°41	24°23	19°20	18°35	11° 9	16° 0	22°18	4° 9	4° 7	14° 0	n.a.	S 12
S 13	6 29 8	9° 2'59	9♍ 7	12°18	2°54	24°46	19°32	18°40	11°13	15°58	22°20	4° 8	4° 3	14° 6	n.a.	S 13
M14	6 33 5	10° 3'15	21°28	13°18	4° 6	25°10	19°43	18°45	11°16	15°56	22°21	4° 8	4° 0	14°13	n.a.	M14
T 15	6 37 1	11° 3'28	4♎ 5	14°21	5°19	25°33	19°54	18°50	11°20	15°55	22°23	4° 7	3°57	14°20	n.a.	T 15
W16	6 40 58	12° 3'40	17° 3	15°27	6°32	25°55	20° 5	18°56	11°23	15°53	22°24	4°D 7	3°54	14°26	n.a.	W16
T 17	6 44 54	13° 3'50	0♏25	16°34	7°44	26°18	20°16	19° 1	11°26	15°51	22°26	4° 8	3°51	14°33	n.a.	T 17
F 18	6 48 51	14° 3'58	14°12	17°44	8°57	26°40	20°27	19° 6	11°30	15°50	22°27	4° 9	3°48	14°40	n.a.	F 18
S 19	6 52 47	15° 4'05	28°25	18°56	10°10	27° 2	20°38	19°11	11°33	15°48	22°29	4° 9	3°44	14°46	n.a.	S 19
S 20	6 56 44	16° 4'09	13♐ 3	20° 9	11°22	27°23	20°48	19°16	11°37	15°46	22°30	4°10	3°41	14°53	n.a.	S 20
M21	7 0 41	17° 4'13	28° 1	21°25	12°35	27°44	20°59	19°20	11°40	15°45	22°32	4°R11	3°38	15° 0	n.a.	M21
T 22	7 4 37	18° 4'14	13♑12	22°42	13°48	28° 5	21° 9	19°25	11°44	15°43	22°33	4°11	3°35	15° 6	n.a.	T 22
W23	7 8 34	19° 4'13	28°25	24° 0	15° 1	28°25	21°20	19°30	11°47	15°41	22°34	4°10	3°32	15°13	n.a.	W23
T 24	7 12 30	20° 4'09	13♒33	25°21	16°14	28°45	21°30	19°34	11°51	15°40	22°36	4° 8	3°29	15°20	n.a.	T 24
F 25	7 16 27	21° 4'04	28°24	26°42	17°26	29° 4	21°40	19°39	11°54	15°38	22°37	4° 6	3°25	15°26	n.a.	F 25
S 26	7 20 23	22° 3'56	12♓53	28° 5	18°39	29°24	21°50	19°43	11°57	15°36	22°38	4° 4	3°22	15°33	n.a.	S 26
S 27	7 24 20	23° 3'45	26°55	29°30	19°52	29°42	22° 0	19°48	12° 1	15°35	22°39	4° 2	3°19	15°39	n.a.	S 27
M28	7 28 16	24° 3'32	10♈30	0♑56	21° 5	0♎ 1	22°10	19°52	12° 4	15°33	22°41	4° 0	3°16	15°46	n.a.	M28
T 29	7 32 13	25° 3'17	23°37	2°23	22°18	0°19	22°19	19°56	12° 8	15°31	22°42	4°D 0	3°13	15°53	n.a.	T 29
W30	7 36 10	26° 2'59	6♉21	3°52	23°30	0°36	22°29	20° 0	12°11	15°30	22°43	4° 0	3° 9	15°59	n.a.	W30
T 31	7 40 6	27♑ 2'39	18♉46	5♑21	24♐43	0♎53	22♏39	20♏ 5	12♑14	15♋28	22♏44	4♑ 1	3♑ 6	16♋ 6	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23 s51	10n30	5n13	18 s42	2n53	16 s 0	1n42	6n23	2n27	16 s47	0n31	15 s59	1n28	24 s 1	0 s33	23n24	0n32	15 s43	3n 0	23 s49	23 s48	22n33			n.a.
W 2	23 53	15 8	4 53	18 54	2 43	16 22	1 40	6 13	2 28	16 51	0 31	16 0	1 28	24 0	0 33	23 25	0 32	15 43	3 0	23 49	23 49	22 31			n.a.
T 3	23 53	19 1	4 20	19 7	2 32	16 45	1 37	6 3	2 28	16 54	0 31	16 2	1 28	24 0	0 33	23 25	0 32	15 44	3 0	23 49	23 49	22 30			n.a.
F 4	23 53	22 0	3 35	19 21	2 22	17 6	1 34	5 53	2 29	16 58	0 31	16 3	1 28	24 0	0 33	23 25	0 32	15 44	3 0	23 49	23 49	22 28			n.a.
S 5	23 53	23 57	2 41	19 36	2 11	17 28	1 31	5 43	2 30	17 1	0 31	16 5	1 28	23 59	0 33	23 25	0 32	15 45	3 0	23 49	23 49	22 26			n.a.
S 6	23 53	24 47	1 40	19 52	2 0	17 48	1 29	5 34	2 30	17 4	0 31	16 7	1 28	23 59	0 33	23 25	0 32	15 45	3 0	23 49	23 49	22 25			n.a.
M 7	23 51	24 28	0 36	20 9	1 49	18 9	1 26	5 24	2 31	17 8	0 31	16 8	1 28	23 59	0 33	23 26	0 32	15 46	3 0	23 49	23 49	22 23			n.a.
T 8	23 50	23 3	0 s30	20 27	1 38	18 29	1 23	5 15	2 32	17 11	0 31	16 10	1 28	23 59	0 33	23 26	0 32	15 46	3 0	23 49	23 49	22 22			n.a.
W 9	23 48	20 37	1 34	20 44	1 27	18 48	1 20	5 5	2 33	17 14	0 31	16 11	1 28	23 58	0 33	23 26	0 32	15 47	3 0	23 49	23 49	22 20			n.a.
T 10	23 45	17 19	2 34	21 3	1 17	19 7	1 17	4 56	2 33	17 18	0 31	16 13	1 28	23 58	0 33	23 26	0 32	15 47	3 0	23 50	23 49	22 19			n.a.
F 11	23 42	13 19	3 28	21 21	1 6	19 26	1 14	4 47	2 34	17 21	0 31	16 14	1 29	23 58	0 33	23 26	0 32	15 48	3 0	23 50	23 49	22 17			n.a.
S 12	23 39	8 47	4 14	21 39	0 55	19 44	1 11	4 38	2 35	17 24	0 31	16 16	1 29	23 57	0 33	23 27	0 32	15 48	3 0	23 50	23 50	22 16			n.a.
S 13	23 35	3 52	4 48	21 57	0 45	20 2	1 8	4 29	2 35	17 27	0 31	16 17	1 29	23 57	0 33	23 27	0 32	15 48	3 0	23 50	23 50	22 14			n.a.
M14	23 30	1 s17	5 10	22 15	0 35	20 18	1 5	4 20	2 36	17 30	0 31	16 19	1 29	23 57	0 33	23 27	0 32	15 49	3 0	23 50	23 50	22 12			n.a.
T 15	23 25	6 30	5 18	22 32	0 25	20 35	1 2	4 12	2 37	17 34	0 31	16 20	1 29	23 57	0 33	23 27	0 32	15 49	2 59	23 50	23 50	22 11			n.a.
W16	23 20	11 34	5 10	22 49	0 15	20 51	0 59	4 3	2 38	17 37	0 30	16 21	1 29	23 56	0 33	23 28	0 32	15 50	2 59	23 50	23 50	22 9			n.a.
T 17	23 14	16 16	4 45	23 6	0 6	21 6	0 55	3 55	2 38	17 40	0 30	16 23	1 29	23 56	0 33	23 28	0 32	15 50	2 59	23 50	23 50	22 8			n.a.
F 18	23 8	20 16	4 3	23 22	0 s 3	21 21	0 52	3 46	2 39	17 43	0 30	16 24	1 29	23 56	0 33	23 28	0 32	15 51	2 59	23 50	23 50	22 6			n.a.
S 19	23 1	23 12	3 6	23 37	0 12	21 35	0 49	3 38	2 40	17 46	0 30	16 25	1 29	23 55	0 33	23 28	0 32	15 51	2 59	23 50	23 50	22 4			n.a.
S 20	22 54	24 41	1 55	23 52	0 21	21 48	0 46	3 30	2 40	17 48	0 30	16 27	1 29	23 55	0 33	23 28	0 32	15 51	2 59	23 49	23 50	22 3			n.a.
M21	22 47	24 27	0 34	24 5	0 29	22 1	0 43	3 22	2 41	17 51	0 30	16 28	1 29	23 55	0 33	23 29	0 32	15 52	2 59	23 49	23 50	22 1			n.a.
T 22	22 39	22 24	0n50	24 18	0 37	22 14	0 40	3 15	2 42	17 54	0 30	16 29	1 29	23 54	0 33	23 29	0 32	15 52	2 59	23 49	23 51	22 0			n.a.
W23	22 30	18 44	2 10	24 30	0 45	22 25	0 37	3 7	2 42	17 57	0 30	16 31	1 29	23 54	0 33	23 29	0 32	15 52	2 59	23 49	23 51	21 58			n.a.
T 24	22 22	13 52	3 21	24 41	0 52	22 36	0 34	3 0	2 43	18 0	0 30	16 32	1 29	23 54	0 33	23 29	0 32	15 53	2 59	23 50	23 51	21 56			n.a.
F 25	22 12	8 14	4 17	24 51	1 0	22 47	0 31	2 52	2 44	18 2	0 30	16 33	1 29	23 54	0 33	23 29	0 32	15 53	2 59	23 50	23 51	21 55			n.a.
S 26	22 3	2 19	4 55	24 59	1 6	22 57	0 27	2 45	2 44	18 5	0 30	16 34	1 29	23 53	0 33	23 30	0 32	15 54	2 59	23 50	23 51	21 53			n.a.
S 27	21 53	3n32	5 14	25 6	1 13	23 6	0 24	2 38	2 45	18 8	0 30	16 35	1 29	23 53	0 33	23 30	0 32	15 54	2 59	23 50	23 51	21 52			n.a.
M28	21 42	9 2	5 14	25 12	1 19	23 14	0 21	2 31	2 46	18 10	0 30	16 36	1 29	23 53	0 33	23 30	0 32	15 54	2 59	23 50	23 51	21 50			n.a.
T 29	21 31	13 56	4 58	25 17	1 25	23 22	0 18	2 25	2 46	18 13	0 30	16 37	1 29	23 52	0 33	23 30	0 32	15 55	2 59	23 50	23 51	21 48			n.a.
W30	21 20	18 5	4 27	25 21	1 31	23 29	0 15	2 18	2 47	18 15	0 30	16 38	1 30	23 52	0 33	23 30	0 32	15 55	2 59	23 50	23 51	21 47			n.a.
T 31	21 s 9	21n19	3n45	25 s22	1 s36	23 s35	0n12	2n12	2n48	18 s18	0n30	16 s40	1n30	23 s52	0 s33	23n31	0n32	15 s55	2n59	23 s50	23 s51	21n45			n.a.

Julian Day Number = 1102689.5, Delta T = 11h01m03s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'24, Lahiri = -27°19'23 Julian Calendar 1 Jan. 1694 BCE == Greg. Calendar 18 Dec. 1695 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

FEBRUARY 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 44 3	28♉ 2'17	0♊55	6♉53	25♐56	1♎10	22♏48	20♏ 9	12♉18	15°R26	22♏45	4♉ 3	3♉ 3	16♋13	n.a.	F 1
S 2	7 47 59	29° 1'52	12°52	8°25	27° 9	1°26	22°57	20°12	12°21	15♋25	22°46	4° 5	3° 0	16°19	n.a.	S 2
S 3	7 51 56	0♒ 1'24	24°43	9°59	28°22	1°42	23° 6	20°16	12°24	15°23	22°48	4° 6	2°57	16°26	n.a.	S 3
M 4	7 55 52	1° 0'55	6♋31	11°34	29°35	1°57	23°15	20°20	12°28	15°22	22°49	4°R 6	2°54	16°33	n.a.	M 4
T 5	7 59 49	2° 0'23	18°18	13°10	0♉48	2°12	23°24	20°24	12°31	15°20	22°50	4° 5	2°50	16°39	n.a.	T 5
W 6	8 3 45	2°59'48	0♌ 8	14°47	2° 0	2°26	23°33	20°27	12°34	15°18	22°51	4° 3	2°47	16°46	n.a.	W 6
T 7	8 7 42	3°59'12	12° 1	16°26	3°13	2°40	23°41	20°31	12°37	15°17	22°51	3°59	2°44	16°53	n.a.	T 7
F 8	8 11 38	4°58'33	24° 1	18° 6	4°26	2°53	23°50	20°34	12°41	15°15	22°52	3°54	2°41	16°59	n.a.	F 8
S 9	8 15 35	5°57'52	6♍ 9	19°48	5°39	3° 5	23°58	20°38	12°44	15°14	22°53	3°48	2°38	17° 6	n.a.	S 9
S 10	8 19 32	6°57'09	18°26	21°30	6°52	3°18	24° 7	20°41	12°47	15°12	22°54	3°43	2°34	17°13	n.a.	S 10
M11	8 23 28	7°56'24	0♎55	23°14	8° 5	3°29	24°15	20°44	12°50	15°11	22°55	3°37	2°31	17°19	n.a.	M11
T 12	8 27 25	8°55'37	13°38	25° 0	9°18	3°40	24°23	20°47	12°53	15° 9	22°56	3°33	2°28	17°26	n.a.	T 12
W13	8 31 21	9°54'48	26°36	26°46	10°31	3°51	24°30	20°50	12°57	15° 8	22°57	3°31	2°25	17°33	n.a.	W13
T 14	8 35 18	10°53'57	9♏53	28°34	11°44	4° 1	24°38	20°53	13° 0	15° 6	22°57	3°D30	2°22	17°39	n.a.	T 14
F 15	8 39 14	11°53'04	23°31	0♒24	12°57	4°10	24°46	20°56	13° 3	15° 5	22°58	3°31	2°19	17°46	n.a.	F 15
S 16	8 43 11	12°52'10	7♐30	2°14	14°10	4°18	24°53	20°59	13° 6	15° 3	22°59	3°32	2°15	17°52	n.a.	S 16
S 17	8 47 7	13°51'13	21°51	4° 7	15°23	4°27	25° 0	21° 1	13° 9	15° 2	22°59	3°33	2°12	17°59	n.a.	S 17
M18	8 51 4	14°50'15	6♑32	6° 0	16°36	4°34	25° 8	21° 4	13°12	15° 1	23° 0	3°R33	2° 9	18° 6	n.a.	M18
T 19	8 55 0	15°49'14	21°29	7°55	17°49	4°41	25°15	21° 6	13°15	14°59	23° 1	3°32	2° 6	18°12	n.a.	T 19
W20	8 58 57	16°48'12	6♒33	9°51	19° 2	4°47	25°21	21° 9	13°18	14°58	23° 1	3°29	2° 3	18°19	n.a.	W20
T 21	9 2 54	17°47'07	21°37	11°49	20°15	4°52	25°28	21°11	13°21	14°56	23° 2	3°24	2° 0	18°26	n.a.	T 21
F 22	9 6 50	18°46'00	6♓31	13°47	21°28	4°57	25°35	21°13	13°24	14°55	23° 2	3°17	1°56	18°32	n.a.	F 22
S 23	9 10 47	19°44'51	21° 7	15°47	22°41	5° 1	25°41	21°15	13°27	14°54	23° 3	3°10	1°53	18°39	n.a.	S 23
S 24	9 14 43	20°43'39	5♈17	17°49	23°54	5° 4	25°47	21°17	13°30	14°52	23° 3	3° 3	1°50	18°46	n.a.	S 24
M25	9 18 40	21°42'25	19° 0	19°51	25° 7	5° 7	25°53	21°19	13°33	14°51	23° 4	2°57	1°47	18°52	n.a.	M25
T 26	9 22 36	22°41'09	2♉14	21°54	26°20	5° 9	25°59	21°21	13°36	14°50	23° 4	2°53	1°44	18°59	n.a.	T 26
W27	9 26 33	23°39'50	15° 2	23°59	27°33	5°10	26° 5	21°23	13°39	14°49	23° 4	2°51	1°40	19° 6	n.a.	W27
T 28	9 30 29	24♒38'29	27♉27	26♒ 4	28♉46	5°R10	26♏11	21♏24	13♉41	14♋47	23♏ 5	2°D50	1♉37	19♋12	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	20s57	23n33	2n53	25s23	1s40	23s41	0n 9	2n 6	2n48	18s20	0n30	16s41	1n30	23s51	0s33	23n31	0n32	15s55	2n59	23s50	23s51	21n43		n.a.	F 1
S 2	20 44	24 40	1 54	25 22	1 45	23 46	0 6	2 0	2 49	18 23	0 30	16 42	1 30	23 51	0 33	23 31	0 32	15 56	2 59	23 50	23 51	21 42		n.a.	S 2
S 3	20 32	24 39	0 51	25 19	1 49	23 50	0 3	1 54	2 49	18 25	0 30	16 42	1 30	23 51	0 33	23 31	0 32	15 56	2 59	23 50	23 52	21 40		n.a.	S 3
M 4	20 19	23 30	0s13	25 15	1 53	23 54	0s 0	1 48	2 50	18 28	0 30	16 43	1 30	23 51	0 33	23 31	0 32	15 56	2 59	23 50	23 52	21 38		n.a.	M 4
T 5	20 5	21 20	1 17	25 9	1 56	23 56	0 3	1 43	2 51	18 30	0 30	16 44	1 30	23 50	0 33	23 32	0 32	15 57	2 59	23 50	23 52	21 37		n.a.	T 5
W 6	19 51	18 16	2 18	25 1	1 59	23 59	0 6	1 37	2 51	18 32	0 30	16 45	1 30	23 50	0 33	23 32	0 32	15 57	2 59	23 50	23 52	21 35		n.a.	W 6
T 7	19 37	14 25	3 13	24 52	2 1	24 0	0 9	1 32	2 52	18 34	0 30	16 46	1 30	23 50	0 33	23 32	0 32	15 57	2 59	23 50	23 52	21 33		n.a.	T 7
F 8	19 23	10 0	4 0	24 40	2 3	24 1	0 12	1 27	2 52	18 36	0 30	16 47	1 30	23 49	0 33	23 32	0 32	15 57	2 59	23 50	23 52	21 31		n.a.	F 8
S 9	19 8	5 9	4 37	24 27	2 5	24 1	0 15	1 23	2 53	18 39	0 30	16 48	1 30	23 49	0 33	23 32	0 32	15 58	2 59	23 50	23 52	21 30		n.a.	S 9
S 10	18 53	0 3	5 1	24 12	2 6	24 0	0 17	1 18	2 53	18 41	0 29	16 49	1 30	23 49	0 33	23 33	0 32	15 58	2 59	23 50	23 52	21 28		n.a.	S 10
M11	18 38	5s 7	5 11	23 55	2 7	23 59	0 20	1 14	2 53	18 43	0 29	16 49	1 30	23 48	0 33	23 33	0 32	15 58	2 59	23 50	23 52	21 26		n.a.	M11
T 12	18 22	10 10	5 7	23 37	2 7	23 56	0 23	1 10	2 54	18 45	0 29	16 50	1 31	23 48	0 33	23 33	0 32	15 58	2 59	23 51	23 52	21 25		n.a.	T 12
W13	18 6	14 54	4 47	23 16	2 6	23 54	0 26	1 6	2 54	18 47	0 29	16 51	1 31	23 48	0 33	23 33	0 32	15 58	2 59	23 51	23 52	21 23		n.a.	W13
T 14	17 50	19 1	4 11	22 53	2 6	23 50	0 28	1 2	2 55	18 49	0 29	16 52	1 31	23 48	0 33	23 33	0 32	15 59	2 59	23 51	23 52	21 21		n.a.	T 14
F 15	17 33	22 14	3 21	22 28	2 4	23 46	0 31	0 59	2 55	18 51	0 29	16 52	1 31	23 47	0 33	23 34	0 32	15 59	2 59	23 51	23 52	21 20		n.a.	F 15
S 16	17 16	24 14	2 17	22 1	2 2	23 41	0 34	0 56	2 55	18 53	0 29	16 53	1 31	23 47	0 33	23 34	0 32	15 59	2 59	23 51	23 52	21 18		n.a.	S 16
S 17	16 59	24 41	1 3	21 32	2 0	23 35	0 36	0 53	2 56	18 54	0 29	16 54	1 31	23 47	0 33	23 34	0 32	15 59	2 59	23 51	23 52	21 16		n.a.	S 17
M18	16 41	23 27	0n16	21 1	1 57	23 29	0 39	0 50	2 56	18 56	0 29	16 54	1 31	23 46	0 33	23 34	0 32	15 59	2 59	23 51	23 52	21 14		n.a.	M18
T 19	16 24	20 34	1 36	20 28	1 54	23 21	0 41	0 48	2 56	18 58	0 29	16 55	1 31	23 46	0 33	23 34	0 32	15 59	2 59	23 51	23 52	21 13		n.a.	T 19
W20	16 6	16 15	2 49	19 53	1 50	23 14	0 43	0 46	2 57	19 0	0 29	16 55	1 31	23 46	0 33	23 34	0 32	16 0	2 59	23 51	23 53	21 11		n.a.	W20
T 21	15 47	10 56	3 51	19 15	1 45	23 5	0 46	0 44	2 57	19 1	0 29	16 56	1 31	23 46	0 33	23 34	0 32	16 0	2 59	23 51	23 53	21 9		n.a.	T 21
F 22	15 29	5 1	4 36	18 36	1 40	22 56	0 48	0 42	2 57	19 3	0 29	16 56	1 31	23 45	0 33	23 35	0 32	16 0	2 59	23 51	23 53	21 7		n.a.	F 22
S 23	15 10	1n 1	5 2	17 54	1 35	22 46	0 50	0 40	2 57	19 4	0 29	16 57	1 31	23 45	0 33	23 35	0 32	16 0	2 59	23 51	23 53	21 6		n.a.	S 23
S 24	14 51	6 50	5 8	17 11	1 28	22 36	0 52	0 39	2 57	19 6	0 29	16 57	1 31	23 45	0 33	23 35	0 32	16 0	2 59	23 51	23 53	21 4		n.a.	S 24
M25	14 32	12 8	4 57	16 25	1 21	22 24	0 55	0 38	2 57	19 7	0 29	16 58	1 32	23 44	0 33	23 35	0 33	16 0	2 59	23 52	23 53	21 2		n.a.	M25
T 26	14 13	16 40	4 29	15 38	1 14	22 13	0 57	0 37	2 57	19 9	0 29	16 58	1 32	23 44	0 33	23 35	0 33	16 0	2 59	23 52	23 53	21 0		n.a.	T 26
W27	13 53	20 17	3 49	14 49	1 6	22 0	0 59	0 37	2 57	19 10	0 29	16 58	1 32	23 44	0 33	23 35	0 33	16 0	2 59	23 52	23 53	20 58		n.a.	W27
T 28	13s33	22n52	2n59	13s58	0s58	21s47	1s 1	0n36	2n57	19s12	0n29	16s59	1n32	23s44	0s33	23n36	0n33	16s 1	2n59	23s52	23s53	20n57		n.a.	T 28

Julian Day Number = 1102720.5, Delta T = 11h01m01s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'20, Lahiri = -27°19'19 Julian Calendar 1 Feb. 1694 BCE == Greg. Calendar 18 Jan. 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

MARCH 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 34 26	25♒37'06	9♊36	28♒ 9	29♉59	5°R10	26♏16	21♏26	13♉44	14°R46	23♏ 5	2♉51	1♉34	19♋19	n.a.	F 1
S 2	9 38 22	26°35'40	21°32	0♓15	1♒12	5♎ 9	26°21	21°27	13°47	14♋45	23° 5	2°52	1°31	19°26	n.a.	S 2
S 3	9 42 19	27°34'12	3♋21	2°21	2°25	5° 7	26°26	21°29	13°50	14°44	23° 6	2°R53	1°28	19°32	n.a.	S 3
M 4	9 46 16	28°32'41	15° 7	4°28	3°38	5° 5	26°31	21°30	13°52	14°43	23° 6	2°52	1°25	19°39	n.a.	M 4
T 5	9 50 12	29°31'09	26°55	6°33	4°51	5° 2	26°36	21°31	13°55	14°42	23° 6	2°49	1°21	19°46	n.a.	T 5
W 6	9 54 9	0♓29'34	8♌49	8°38	6° 4	4°58	26°41	21°32	13°58	14°41	23° 6	2°44	1°18	19°52	n.a.	W 6
T 7	9 58 5	1°27'57	20°50	10°42	7°17	4°53	26°45	21°33	14° 0	14°40	23° 6	2°36	1°15	19°59	n.a.	T 7
F 8	10 2 2	2°26'17	3♍ 1	12°45	8°30	4°47	26°49	21°34	14° 3	14°39	23° 6	2°26	1°12	20° 6	n.a.	F 8
S 9	10 5 58	3°24'36	15°23	14°46	9°44	4°41	26°53	21°35	14° 5	14°38	23° 6	2°15	1° 9	20°12	n.a.	S 9
S 10	10 9 55	4°22'53	27°55	16°45	10°57	4°34	26°57	21°35	14° 8	14°37	23°R 6	2° 4	1° 6	20°19	n.a.	S 10
M11	10 13 51	5°21'08	10♎40	18°42	12°10	4°26	27° 1	21°36	14°10	14°36	23° 6	1°54	1° 2	20°25	n.a.	M11
T 12	10 17 48	6°19'21	23°36	20°36	13°23	4°18	27° 5	21°36	14°13	14°35	23° 6	1°45	0°59	20°32	n.a.	T 12
W13	10 21 44	7°17'33	6♏45	22°28	14°36	4° 8	27° 8	21°37	14°15	14°34	23° 6	1°39	0°56	20°39	n.a.	W13
T 14	10 25 41	8°15'43	20° 8	24°16	15°49	3°58	27°11	21°37	14°17	14°33	23° 6	1°35	0°53	20°45	n.a.	T 14
F 15	10 29 38	9°13'51	3♐44	26° 1	17° 2	3°48	27°14	21°37	14°20	14°32	23° 6	1°D34	0°50	20°52	n.a.	F 15
S 16	10 33 34	10°11'58	17°36	27°42	18°15	3°36	27°17	21°R37	14°22	14°32	23° 6	1°34	0°46	20°59	n.a.	S 16
S 17	10 37 31	11°10'03	1♑43	29°20	19°28	3°24	27°20	21°37	14°24	14°31	23° 6	1°R34	0°43	21° 5	n.a.	S 17
M18	10 41 27	12° 8'07	16° 6	0♈54	20°41	3°11	27°23	21°37	14°26	14°30	23° 5	1°34	0°40	21°12	n.a.	M18
T 19	10 45 24	13° 6'09	0♒41	2°24	21°54	2°57	27°25	21°37	14°29	14°29	23° 5	1°31	0°37	21°19	n.a.	T 19
W20	10 49 20	14° 4'09	15°25	3°49	23° 8	2°43	27°27	21°37	14°31	14°29	23° 5	1°26	0°34	21°25	n.a.	W20
T 21	10 53 17	15° 2'08	0♓11	5°11	24°21	2°28	27°29	21°36	14°33	14°28	23° 5	1°18	0°31	21°32	n.a.	T 21
F 22	10 57 13	16° 0'05	14°50	6°28	25°34	2°12	27°31	21°36	14°35	14°27	23° 4	1° 7	0°27	21°39	n.a.	F 22
S 23	11 1 10	16°58'01	29°17	7°41	26°47	1°56	27°32	21°35	14°37	14°27	23° 4	0°56	0°24	21°45	n.a.	S 23
S 24	11 5 7	17°55'54	13♈23	8°49	28° 0	1°39	27°34	21°35	14°39	14°26	23° 3	0°45	0°21	21°52	n.a.	S 24
M25	11 9 3	18°53'46	27° 4	9°53	29°13	1°22	27°35	21°34	14°41	14°26	23° 3	0°36	0°18	21°59	n.a.	M25
T 26	11 13 0	19°51'36	10♉20	10°52	0♓26	1° 4	27°36	21°33	14°43	14°25	23° 3	0°28	0°15	22° 5	n.a.	T 26
W27	11 16 56	20°49'24	23°10	11°46	1°40	0°46	27°37	21°32	14°44	14°25	23° 2	0°23	0°11	22°12	n.a.	W27
T 28	11 20 53	21°47'10	5♊38	12°36	2°53	0°28	27°37	21°31	14°46	14°24	23° 2	0°21	0° 8	22°19	n.a.	T 28
F 29	11 24 49	22°44'55	17°48	13°21	4° 6	0° 9	27°38	21°30	14°48	14°24	23° 1	0°20	0° 5	22°25	n.a.	F 29
S 30	11 28 46	23°42'37	29°45	14° 1	5°19	29♍49	27°38	21°28	14°50	14°23	23° 1	0°20	0° 2	22°32	n.a.	S 30
S 31	11 32 42	24♓40'18	11♋35	14♈37	6♓32	29♍29	27°R38	21♏27	14♉51	14♋23	23♏ 0	0♉19	29♐59	22♋39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s13	24n19	2n 2	13s 6	0s49	21s33	1s 3	0n36	2n57	19s13	0n29	16s59	1n32	23s43	0s33	23n36	0n33	16s 1	2n59	23s52	23s53	20n55		n.a.
S 2	12 53	24 38	1 1	12 12	0 39	21 19	1 4	0 37	2 57	19 14	0 29	16 59	1 32	23 43	0 33	23 36	0 33	16 1	2 59	23 52	23 53	20 53		n.a.
S 3	12 33	23 48	0s 2	11 17	0 29	21 4	1 6	0 37	2 57	19 16	0 29	17 0	1 32	23 43	0 33	23 36	0 33	16 1	2 59	23 52	23 53	20 51		n.a.
M 4	12 12	21 56	1 5	10 21	0 19	20 48	1 8	0 38	2 56	19 17	0 29	17 0	1 32	23 43	0 33	23 36	0 33	16 1	2 59	23 52	23 53	20 50		n.a.
T 5	11 51	19 7	2 5	9 24	0 9	20 32	1 10	0 39	2 56	19 18	0 29	17 0	1 32	23 42	0 34	23 36	0 33	16 1	2 59	23 52	23 53	20 48		n.a.
W 6	11 30	15 30	3 0	8 27	0n 2	20 15	1 11	0 40	2 56	19 19	0 29	17 0	1 32	23 42	0 34	23 36	0 33	16 1	2 59	23 52	23 53	20 46		n.a.
T 7	11 9	11 14	3 48	7 29	0 13	19 58	1 13	0 42	2 55	19 20	0 29	17 0	1 32	23 42	0 34	23 36	0 33	16 1	2 59	23 52	23 53	20 44		n.a.
F 8	10 48	6 29	4 25	6 31	0 25	19 40	1 14	0 43	2 55	19 21	0 28	17 1	1 33	23 42	0 34	23 37	0 33	16 1	2 59	23 52	23 53	20 42		n.a.
S 9	10 27	1 25	4 51	5 33	0 36	19 22	1 16	0 45	2 54	19 22	0 28	17 1	1 33	23 41	0 34	23 37	0 33	16 1	2 59	23 52	23 53	20 40		n.a.
S 10	10 5	3s46	5 3	4 36	0 47	19 3	1 17	0 48	2 53	19 23	0 28	17 1	1 33	23 41	0 34	23 37	0 33	16 1	2 59	23 53	23 53	20 39		n.a.
M11	9 43	8 53	5 0	3 39	0 59	18 43	1 18	0 50	2 53	19 24	0 28	17 1	1 33	23 41	0 34	23 37	0 33	16 1	2 59	23 53	23 53	20 37		n.a.
T 12	9 22	13 41	4 42	2 43	1 10	18 23	1 20	0 53	2 52	19 25	0 28	17 1	1 33	23 41	0 34	23 37	0 33	16 1	2 59	23 53	23 53	20 35		n.a.
W13	9 0	17 56	4 9	1 49	1 21	18 3	1 21	0 56	2 51	19 26	0 28	17 1	1 33	23 40	0 34	23 37	0 33	16 1	2 59	23 53	23 53	20 33		n.a.
T 14	8 38	21 21	3 22	0 55	1 31	17 42	1 22	0 59	2 50	19 27	0 28	17 1	1 33	23 40	0 34	23 37	0 32	16 1	2 59	23 53	23 53	20 31		n.a.
F 15	8 15	23 38	2 22	0 4	1 42	17 20	1 23	1 3	2 49	19 27	0 28	17 1	1 33	23 40	0 34	23 37	0 32	16 1	2 59	23 53	23 53	20 29		n.a.
S 16	7 53	24 31	1 14	0n46	1 51	16 58	1 24	1 6	2 48	19 28	0 28	17 1	1 33	23 40	0 34	23 37	0 32	16 1	2 59	23 53	23 53	20 28		n.a.
S 17	7 31	23 52	0n 1	1 34	2 1	16 36	1 25	1 10	2 47	19 29	0 28	17 1	1 33	23 39	0 34	23 37	0 32	16 1	2 59	23 53	23 53	20 26		n.a.
M18	7 8	21 38	1 16	2 20	2 9	16 13	1 26	1 14	2 46	19 29	0 28	17 1	1 33	23 39	0 34	23 37	0 32	16 1	2 59	23 53	23 53	20 24		n.a.
T 19	6 46	17 58	2 28	3 4	2 17	15 50	1 26	1 19	2 44	19 30	0 28	17 1	1 33	23 39	0 34	23 38	0 32	16 1	2 59	23 53	23 53	20 22		n.a.
W20	6 23	13 10	3 30	3 45	2 25	15 26	1 27	1 23	2 43	19 31	0 28	17 0	1 34	23 39	0 34	23 38	0 32	16 1	2 59	23 53	23 53	20 20		n.a.
T 21	6 0	7 35	4 19	4 24	2 32	15 2	1 28	1 28	2 42	19 31	0 28	17 0	1 34	23 39	0 34	23 38	0 32	16 1	2 59	23 53	23 53	20 18		n.a.
F 22	5 37	1 38	4 50	5 1	2 37	14 37	1 28	1 33	2 40	19 32	0 28	17 0	1 34	23 38	0 34	23 38	0 32	16 1	2 59	23 53	23 53	20 16		n.a.
S 23	5 14	4n18	5 1	5 35	2 43	14 12	1 29	1 38	2 38	19 32	0 28	17 0	1 34	23 38	0 34	23 38	0 32	16 1	2 59	23 53	23 53	20 15		n.a.
S 24	4 51	9 53	4 54	6 6	2 47	13 47	1 29	1 43	2 37	19 32	0 28	17 0	1 34	23 38	0 34	23 38	0 32	16 0	2 59	23 53	23 53	20 13		n.a.
M25	4 28	14 49	4 30	6 35	2 50	13 21	1 30	1 48	2 35	19 33	0 28	16 59	1 34	23 38	0 34	23 38	0 32	16 0	2 59	23 53	23 54	20 11		n.a.
T 26	4 5	18 52	3 52	7 1	2 53	12 55	1 30	1 54	2 33	19 33	0 28	16 59	1 34	23 38	0 34	23 38	0 32	16 0	2 59	23 53	23 54	20 9		n.a.
W27	3 42	21 52	3 3	7 24	2 55	12 29	1 30	1 59	2 31	19 33	0 28	16 59	1 34	23 37	0 34	23 38	0 32	16 0	2 59	23 53	23 54	20 7		n.a.
T 28	3 19	23 44	2 7	7 45	2 55	12 2	1 30	2 5	2 29	19 33	0 27	16 58	1 34	23 37	0 34	23 38	0 32	16 0	2 59	23 53	23 54	20 5		n.a.
F 29	2 56	24 25	1 6	8 2	2 55	11 35	1 30	2 11	2 27	19 34	0 27	16 58	1 34	23 37	0 34	23 38	0 32	16 0	2 59	23 53	23 54	20 3		n.a.
S 30	2 33	23 57	0 3	8 17	2 53	11 8	1 30	2 16	2 24	19 34	0 27	16 57	1 34	23 37	0 34	23 38	0 32	16 0	2 59	23 53	23 54	20 1		n.a.
S 31	2s 9	22n24	0s59	8n29	2n51	10s41	1s30	2n22	2n22	19s34	0n27	16s57	1n34	23s37	0s34	23n38	0n32	16s 0	2n59	23s53	23s54	19n59		n.a.

Julian Day Number = 1102748.5, Delta T = 11h01m00s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'16, Lahiri = -27°19'15 Julian Calendar 1 March 1694 BCE == Greg. Calendar 15 Feb. 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

APRIL 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 36 39	25♓37'57	23♋23	15♈ 7	7♓45	29°R 9	27°R38	21°R26	14♑53	14°R23	22°R59	0°R18	29♐56	22♋45	n.a.	M 1
T 2	11 40 35	26°35'35	5♌14	15°32	8°59	28♍49	27♏38	21♏24	14°55	14♋23	22♏59	0♑14	29°52	22°52	n.a.	T 2
W 3	11 44 32	27°33'10	17°12	15°52	10°12	28°29	27°37	21°22	14°56	14°22	22°58	0° 8	29°49	22°59	n.a.	W 3
T 4	11 48 29	28°30'44	29°21	16° 8	11°25	28° 8	27°37	21°21	14°58	14°22	22°57	29♐59	29°46	23° 5	n.a.	T 4
F 5	11 52 25	29°28'17	11♍43	16°18	12°38	27°48	27°36	21°19	14°59	14°22	22°57	29°47	29°43	23°12	n.a.	F 5
S 6	11 56 22	0♈25'47	24°20	16°23	13°51	27°27	27°35	21°17	15° 1	14°22	22°56	29°35	29°40	23°19	n.a.	S 6
S 7	12 0 18	1°23'17	7♎11	16°R24	15° 4	27° 6	27°33	21°15	15° 2	14°22	22°55	29°22	29°37	23°25	n.a.	S 7
M 8	12 4 15	2°20'45	20°16	16°20	16°18	26°45	27°32	21°13	15° 3	14°22	22°54	29°10	29°33	23°32	n.a.	M 8
T 9	12 8 11	3°18'12	3♏33	16°11	17°31	26°25	27°30	21°11	15° 5	14°21	22°53	29° 0	29°30	23°39	n.a.	T 9
W10	12 12 8	4°15'38	17° 1	15°58	18°44	26° 4	27°29	21° 9	15° 6	14°D21	22°53	28°52	29°27	23°45	n.a.	W10
T 11	12 16 4	5°13'03	0♐40	15°42	19°57	25°44	27°27	21° 6	15° 7	14°21	22°52	28°48	29°24	23°52	n.a.	T 11
F 12	12 20 1	6°10'27	14°26	15°21	21°10	25°24	27°25	21° 4	15° 8	14°21	22°51	28°46	29°21	23°58	n.a.	F 12
S 13	12 23 58	7° 7'51	28°22	14°57	22°24	25° 4	27°22	21° 2	15° 9	14°22	22°50	28°D45	29°17	24° 5	n.a.	S 13
S 14	12 27 54	8° 5'13	12♑25	14°30	23°37	24°44	27°20	20°59	15°10	14°22	22°49	28°R45	29°14	24°12	n.a.	S 14
M15	12 31 51	9° 2'35	26°36	14° 0	24°50	24°25	27°17	20°56	15°11	14°22	22°48	28°44	29°11	24°18	n.a.	M15
T 16	12 35 47	9°59'55	10♒54	13°29	26° 3	24° 6	27°14	20°54	15°12	14°22	22°47	28°42	29° 8	24°25	n.a.	T 16
W17	12 39 44	10°57'15	25°15	12°56	27°17	23°48	27°11	20°51	15°13	14°22	22°46	28°36	29° 5	24°32	n.a.	W17
T 18	12 43 40	11°54'34	9♓35	12°23	28°30	23°30	27° 8	20°48	15°14	14°22	22°45	28°28	29° 2	24°38	n.a.	T 18
F 19	12 47 37	12°51'53	23°51	11°49	29°43	23°12	27° 4	20°45	15°15	14°23	22°44	28°18	28°58	24°45	n.a.	F 19
S 20	12 51 33	13°49'10	7♈55	11°16	0♈57	22°55	27° 1	20°42	15°16	14°23	22°43	28° 7	28°55	24°52	n.a.	S 20
S 21	12 55 30	14°46'26	21°44	10°43	2°10	22°39	26°57	20°39	15°16	14°23	22°42	27°56	28°52	24°58	n.a.	S 21
M22	12 59 27	15°43'42	5♉13	10°12	3°23	22°23	26°53	20°36	15°17	14°24	22°41	27°46	28°49	25° 5	n.a.	M22
T 23	13 3 23	16°40'57	18°21	9°43	4°37	22° 7	26°49	20°33	15°18	14°24	22°40	27°38	28°46	25°12	n.a.	T 23
W24	13 7 20	17°38'10	1♊ 7	9°16	5°50	21°53	26°45	20°29	15°18	14°25	22°38	27°33	28°42	25°18	n.a.	W24
T 25	13 11 16	18°35'23	13°33	8°52	7° 3	21°39	26°40	20°26	15°19	14°25	22°37	27°30	28°39	25°25	n.a.	T 25
F 26	13 15 13	19°32'35	25°43	8°32	8°17	21°26	26°36	20°23	15°19	14°25	22°36	27°D29	28°36	25°32	n.a.	F 26
S 27	13 19 9	20°29'45	7♋41	8°15	9°30	21°14	26°31	20°19	15°20	14°26	22°35	27°30	28°33	25°38	n.a.	S 27
S 28	13 23 6	21°26'55	19°32	8° 1	10°43	21° 2	26°26	20°16	15°20	14°27	22°34	27°R30	28°30	25°45	n.a.	S 28
M29	13 27 2	22°24'04	1♌21	7°52	11°57	20°51	26°21	20°12	15°20	14°27	22°32	27°30	28°27	25°52	n.a.	M29
T 30	13 30 59	23♈21'12	13♌15	7♈48	13♈10	20♍41	26♏16	20♏ 8	15♑21	14♋28	22♏31	27♐28	28♐23	25♋58	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1s46	19n52	1s59	8n38	2n47	10s13	1s30	2n28	2n20	19s34	0n27	16s57	1n34	23s37	0s34	23n38	0n32	16s 0	2n59	23s54	23s54	19n58		n.a.
T 2	1 23	16 31	2 54	8 43	2 43	9 45	1 30	2 34	2 17	19 34	0 27	16 56	1 34	23 37	0 34	23 38	0 32	15 59	2 59	23 54	23 54	19 56		n.a.
W 3	0 59	12 28	3 41	8 46	2 37	9 16	1 30	2 40	2 15	19 34	0 27	16 56	1 35	23 36	0 34	23 38	0 32	15 59	2 59	23 54	23 54	19 54		n.a.
T 4	0 36	7 53	4 19	8 46	2 30	8 48	1 30	2 46	2 12	19 34	0 27	16 55	1 35	23 36	0 34	23 38	0 32	15 59	2 58	23 54	23 54	19 52		n.a.
F 5	0 13	2 54	4 46	8 43	2 23	8 19	1 29	2 52	2 9	19 33	0 27	16 55	1 35	23 36	0 34	23 38	0 32	15 59	2 58	23 54	23 54	19 50		n.a.
S 6	0n10	2s16	4 59	8 37	2 14	7 50	1 29	2 58	2 6	19 33	0 27	16 54	1 35	23 36	0 34	23 38	0 32	15 59	2 58	23 53	23 53	19 48		n.a.
S 7	0 34	7 26	4 57	8 28	2 3	7 20	1 28	3 3	2 4	19 33	0 27	16 53	1 35	23 36	0 34	23 38	0 32	15 59	2 58	23 53	23 53	19 46		n.a.
M 8	0 57	12 22	4 40	8 16	1 52	6 51	1 28	3 9	2 1	19 33	0 27	16 53	1 35	23 36	0 35	23 38	0 32	15 58	2 58	23 53	23 53	19 44		n.a.
T 9	1 20	16 49	4 8	8 1	1 40	6 21	1 27	3 15	1 58	19 33	0 27	16 52	1 35	23 36	0 35	23 38	0 32	15 58	2 58	23 53	23 53	19 42		n.a.
W10	1 43	20 27	3 21	7 44	1 27	5 52	1 26	3 20	1 55	19 32	0 27	16 52	1 35	23 36	0 35	23 38	0 32	15 58	2 58	23 53	23 53	19 40		n.a.
T 11	2 7	23 0	2 23	7 25	1 13	5 22	1 26	3 26	1 52	19 32	0 27	16 51	1 35	23 35	0 35	23 38	0 32	15 58	2 58	23 53	23 53	19 38		n.a.
F 12	2 30	24 12	1 15	7 3	0 58	4 51	1 25	3 31	1 49	19 31	0 27	16 50	1 35	23 35	0 35	23 38	0 32	15 58	2 58	23 53	23 53	19 36		n.a.
S 13	2 53	23 55	0 2	6 39	0 43	4 21	1 24	3 36	1 45	19 31	0 26	16 50	1 35	23 35	0 35	23 38	0 32	15 57	2 58	23 53	23 53	19 34		n.a.
S 14	3 16	22 6	1n12	6 14	0 27	3 51	1 23	3 41	1 42	19 30	0 26	16 49	1 35	23 35	0 35	23 38	0 32	15 57	2 58	23 53	23 53	19 32		n.a.
M15	3 39	18 55	2 22	5 47	0 10	3 20	1 22	3 46	1 39	19 30	0 26	16 48	1 35	23 35	0 35	23 38	0 32	15 57	2 58	23 53	23 53	19 30		n.a.
T 16	4 2	14 34	3 23	5 19	0s 6	2 50	1 21	3 51	1 36	19 29	0 26	16 47	1 35	23 35	0 35	23 38	0 32	15 57	2 58	23 53	23 53	19 28		n.a.
W17	4 25	9 24	4 12	4 51	0 23	2 19	1 20	3 55	1 32	19 29	0 26	16 47	1 35	23 35	0 35	23 38	0 32	15 57	2 58	23 53	23 53	19 26		n.a.
T 18	4 48	3 43	4 45	4 22	0 40	1 48	1 19	3 59	1 29	19 28	0 26	16 46	1 35	23 35	0 35	23 38	0 32	15 56	2 58	23 53	23 53	19 24		n.a.
F 19	5 10	2n 6	5 1	3 53	0 57	1 18	1 17	4 3	1 25	19 27	0 26	16 45	1 35	23 35	0 35	23 38	0 32	15 56	2 58	23 53	23 53	19 22		n.a.
S 20	5 33	7 44	4 57	3 24	1 14	0 47	1 16	4 7	1 22	19 26	0 26	16 44	1 35	23 35	0 35	23 38	0 32	15 56	2 58	23 53	23 53	19 21		n.a.
S 21	5 56	12 53	4 36	2 57	1 30	0 16	1 15	4 10	1 19	19 26	0 26	16 43	1 35	23 35	0 35	23 38	0 32	15 56	2 58	23 53	23 53	19 19		n.a.
M22	6 18	17 16	4 0	2 30	1 45	0n15	1 13	4 14	1 15	19 25	0 26	16 42	1 35	23 35	0 35	23 38	0 32	15 55	2 58	23 52	23 53	19 17		n.a.
T 23	6 41	20 41	3 12	2 5	2 0	0 46	1 12	4 17	1 12	19 24	0 26	16 42	1 35	23 35	0 35	23 38	0 32	15 55	2 58	23 52	23 53	19 15		n.a.
W24	7 3	22 59	2 16	1 41	2 14	1 17	1 11	4 19	1 8	19 23	0 25	16 41	1 35	23 35	0 35	23 38	0 32	15 55	2 58	23 52	23 53	19 13		n.a.
T 25	7 25	24 4	1 14	1 20	2 27	1 48	1 9	4 22	1 5	19 22	0 25	16 40	1 35	23 35	0 35	23 38	0 32	15 55	2 58	23 52	23 53	19 11		n.a.
F 26	7 47	23 59	0 9	1 0	2 39	2 19	1 7	4 24	1 1	19 21	0 25	16 39	1 35	23 35	0 35	23 38	0 32	15 54	2 58	23 52	23 53	19 9		n.a.
S 27	8 9	22 46	0s54	0 44	2 51	2 50	1 6	4 26	0 58	19 20	0 25	16 38	1 35	23 34	0 35	23 38	0 32	15 54	2 58	23 52	23 53	19 7		n.a.
S 28	8 31	20 33	1 55	0 29	3 0	3 20	1 4	4 27	0 55	19 19	0 25	16 37	1 35	23 34	0 35	23 38	0 32	15 54	2 58	23 52	23 53	19 5		n.a.
M29	8 53	17 28	2 50	0 17	3 9	3 51	1 3	4 28	0 51	19 18	0 25	16 36	1 35	23 34	0 35	23 38	0 32	15 54	2 58	23 52	23 53	19 3		n.a.
T 30	9n14	13n40	3s39	0n 9	3s17	4n22	1s 1	4n29	0n48	19s17	0n25	16s35	1n35	23s34	0s35	23n37	0n32	15s53	2n57	23s52	23s53	19n 0		n.a.

Julian Day Number = 1102779.5, Delta T = 11h00m58s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'12, Lahiri = -27°19'11 Julian Calendar 1 Apr. 1694 BCE == Greg. Calendar 18 March 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

MAY 1694 BCE (-1693) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 34 56	24♈18'19	25♌16	7°D47	14♈23	20°R32	26°R10	20°R 5	15♑21	14♋28	22°R30	27°R23	28♐20	26♋ 5	n.a.	W 1
T 2	13 38 52	25°15'25	7♍31	7♈52	15°37	20♍23	26♏ 5	20♏ 1	15°21	14°29	22♏29	27♐17	28°17	26°12	n.a.	T 2
F 3	13 42 49	26°12'31	20° 2	8° 0	16°50	20°16	25°59	19°57	15°21	14°30	22°27	27° 9	28°14	26°18	n.a.	F 3
S 4	13 46 45	27° 9'35	2♎50	8°14	18° 4	20° 9	25°54	19°53	15°21	14°31	22°26	26°59	28°11	26°25	n.a.	S 4
S 5	13 50 42	28° 6'40	15°58	8°32	19°17	20° 3	25°48	19°49	15°R21	14°31	22°25	26°49	28° 8	26°32	n.a.	S 5
M 6	13 54 38	29° 3'43	29°23	8°54	20°31	19°58	25°42	19°46	15°21	14°32	22°23	26°40	28° 4	26°38	n.a.	M 6
T 7	13 58 35	0♉ 0'47	13♏ 3	9°21	21°44	19°53	25°36	19°42	15°21	14°33	22°22	26°32	28° 1	26°45	n.a.	T 7
W 8	14 2 32	0°57'50	26°56	9°52	22°57	19°50	25°29	19°38	15°21	14°34	22°21	26°26	27°58	26°52	n.a.	W 8
T 9	14 6 28	1°54'53	10♐57	10°28	24°11	19°47	25°23	19°33	15°21	14°35	22°19	26°23	27°55	26°58	n.a.	T 9
F 10	14 10 25	2°51'56	25° 4	11° 8	25°24	19°45	25°16	19°29	15°21	14°36	22°18	26°D22	27°52	27° 5	n.a.	F 10
S 11	14 14 21	3°48'59	9♑15	11°53	26°38	19°44	25°10	19°25	15°21	14°37	22°17	26°23	27°48	27°12	n.a.	S 11
S 12	14 18 18	4°46'02	23°26	12°42	27°51	19°D44	25° 3	19°21	15°20	14°38	22°15	26°24	27°45	27°18	n.a.	S 12
M13	14 22 14	5°43'05	7♒36	13°34	29° 5	19°44	24°56	19°17	15°20	14°39	22°14	26°R24	27°42	27°25	n.a.	M13
T 14	14 26 11	6°40'08	21°44	14°31	0♉18	19°46	24°50	19°13	15°20	14°40	22°12	26°23	27°39	27°32	n.a.	T 14
W15	14 30 7	7°37'11	5♓48	15°32	1°32	19°48	24°43	19° 8	15°19	14°41	22°11	26°20	27°36	27°38	n.a.	W15
T 16	14 34 4	8°34'14	19°46	16°37	2°46	19°51	24°36	19° 4	15°19	14°42	22° 9	26°15	27°33	27°45	n.a.	T 16
F 17	14 38 1	9°31'18	3♈36	17°45	3°59	19°55	24°28	19° 0	15°18	14°43	22° 8	26° 9	27°29	27°52	n.a.	F 17
S 18	14 41 57	10°28'22	17°14	18°58	5°13	19°59	24°21	18°56	15°18	14°44	22° 6	26° 1	27°26	27°58	n.a.	S 18
S 19	14 45 54	11°25'25	0♉39	20°14	6°26	20° 5	24°14	18°51	15°17	14°45	22° 5	25°54	27°23	28° 5	n.a.	S 19
M20	14 49 50	12°22'30	13°47	21°34	7°40	20°11	24° 7	18°47	15°16	14°47	22° 4	25°48	27°20	28°12	n.a.	M20
T 21	14 53 47	13°19'34	26°39	22°58	8°54	20°18	23°59	18°42	15°16	14°48	22° 2	25°43	27°17	28°18	n.a.	T 21
W22	14 57 43	14°16'38	9♊14	24°25	10° 7	20°26	23°52	18°38	15°15	14°49	22° 1	25°39	27°14	28°25	n.a.	W22
T 23	15 1 40	15°13'42	21°34	25°56	11°21	20°34	23°44	18°34	15°14	14°50	21°59	25°D38	27°10	28°32	n.a.	T 23
F 24	15 5 37	16°10'47	3♋40	27°30	12°35	20°43	23°37	18°29	15°13	14°52	21°58	25°38	27° 7	28°38	n.a.	F 24
S 25	15 9 33	17° 7'51	15°37	29° 8	13°48	20°53	23°29	18°25	15°12	14°53	21°56	25°39	27° 4	28°45	n.a.	S 25
S 26	15 13 30	18° 4'55	27°27	0♉49	15° 2	21° 4	23°21	18°20	15°11	14°54	21°55	25°41	27° 1	28°52	n.a.	S 26
M27	15 17 26	19° 2'00	9♌17	2°34	16°16	21°16	23°14	18°16	15°10	14°56	21°53	25°42	26°58	28°58	n.a.	M27
T 28	15 21 23	19°59'04	21°11	4°21	17°29	21°28	23° 6	18°12	15° 9	14°57	21°52	25°R43	26°54	29° 5	n.a.	T 28
W29	15 25 19	20°56'09	3♍13	6°12	18°43	21°40	22°58	18° 7	15° 8	14°59	21°50	25°42	26°51	29°12	n.a.	W29
T 30	15 29 16	21°53'13	15°30	8° 5	19°57	21°54	22°51	18° 3	15° 7	15° 0	21°49	25°40	26°48	29°18	n.a.	T 30
F 31	15 33 12	22♉50'18	28♍ 3	10♉ 2	21♉11	22♍ 8	22♏43	17♏58	15♑ 6	15♋ 2	21♏47	25♐36	26♐45	29♋25	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat
W 1	9n36	9n17	4s18	0n 2	3s23	4n52	0s59	4n30	0n44	19s16	0n25	16s34	1n35	23s34	0s35	23n37	0n32	15s53	2n57	23s52	23s53	18n58		n.a.
T 2	9 57	4 29	4 47	0s 1	3 29	5 23	0 57	4 30	0 41	19 14	0 25	16 33	1 35	23 34	0 35	23 37	0 32	15 53	2 57	23 52	23 53	18 56		n.a.
F 3	10 18	0s36	5 2	0 1	3 33	5 53	0 55	4 30	0 38	19 13	0 25	16 32	1 35	23 35	0 35	23 37	0 32	15 53	2 57	23 52	23 53	18 54		n.a.
S 4	10 39	5 46	5 3	0n 1	3 36	6 24	0 53	4 30	0 34	19 12	0 24	16 31	1 35	23 35	0 35	23 37	0 32	15 52	2 57	23 51	23 53	18 52		n.a.
S 5	11 0	10 48	4 48	0 7	3 38	6 54	0 51	4 29	0 31	19 11	0 24	16 30	1 35	23 35	0 35	23 37	0 32	15 52	2 57	23 51	23 53	18 50		n.a.
M 6	11 21	15 27	4 17	0 15	3 39	7 24	0 49	4 28	0 28	19 9	0 24	16 29	1 35	23 35	0 36	23 37	0 32	15 52	2 57	23 51	23 53	18 48		n.a.
T 7	11 41	19 23	3 31	0 25	3 39	7 54	0 47	4 27	0 25	19 8	0 24	16 28	1 35	23 35	0 36	23 37	0 32	15 51	2 57	23 51	23 53	18 46		n.a.
W 8	12 2	22 17	2 31	0 39	3 38	8 23	0 45	4 26	0 21	19 7	0 24	16 27	1 35	23 35	0 36	23 37	0 32	15 51	2 57	23 51	23 53	18 44		n.a.
T 9	12 22	23 52	1 22	0 55	3 36	8 53	0 43	4 24	0 18	19 5	0 24	16 25	1 35	23 35	0 36	23 37	0 32	15 51	2 57	23 50	23 52	18 42		n.a.
F 10	12 42	23 55	0 7	1 13	3 34	9 22	0 41	4 22	0 15	19 4	0 24	16 24	1 35	23 35	0 36	23 37	0 32	15 51	2 57	23 50	23 52	18 40		n.a.
S 11	13 2	22 25	1n 9	1 34	3 30	9 51	0 39	4 19	0 12	19 2	0 24	16 23	1 35	23 35	0 36	23 36	0 32	15 50	2 57	23 50	23 52	18 38		n.a.
S 12	13 21	19 31	2 20	1 58	3 25	10 20	0 37	4 17	0 9	19 1	0 23	16 22	1 35	23 35	0 36	23 36	0 32	15 50	2 57	23 50	23 52	18 36		n.a.
M13	13 41	15 27	3 23	2 23	3 20	10 49	0 35	4 14	0 6	18 59	0 23	16 21	1 35	23 35	0 36	23 36	0 32	15 50	2 57	23 51	23 52	18 34		n.a.
T 14	14 0	10 32	4 14	2 51	3 14	11 17	0 32	4 11	0 3	18 58	0 23	16 20	1 35	23 35	0 36	23 36	0 32	15 49	2 57	23 50	23 52	18 32		n.a.
W15	14 19	5 6	4 48	3 21	3 8	11 45	0 30	4 7	0 0	18 56	0 23	16 19	1 35	23 35	0 36	23 36	0 32	15 49	2 56	23 50	23 52	18 30		n.a.
T 16	14 38	0n33	5 6	3 53	3 0	12 13	0 28	4 3	0s 3	18 54	0 23	16 18	1 35	23 35	0 36	23 36	0 32	15 49	2 56	23 50	23 52	18 28		n.a.
F 17	14 56	6 6	5 5	4 27	2 52	12 41	0 26	3 59	0 5	18 53	0 23	16 16	1 35	23 35	0 36	23 36	0 32	15 49	2 56	23 50	23 52	18 26		n.a.
S 18	15 14	11 18	4 47	5 3	2 44	13 8	0 23	3 55	0 8	18 51	0 23	16 15	1 35	23 35	0 36	23 36	0 32	15 48	2 56	23 50	23 52	18 24		n.a.
S 19	15 33	15 52	4 14	5 40	2 35	13 35	0 21	3 50	0 11	18 49	0 22	16 14	1 35	23 36	0 36	23 35	0 32	15 48	2 56	23 50	23 52	18 22		n.a.
M20	15 50	19 34	3 27	6 20	2 25	14 2	0 19	3 45	0 14	18 48	0 22	16 13	1 35	23 36	0 36	23 35	0 32	15 48	2 56	23 49	23 52	18 19		n.a.
T 21	16 8	22 13	2 31	7 0	2 15	14 28	0 16	3 40	0 16	18 46	0 22	16 12	1 35	23 36	0 36	23 35	0 32	15 47	2 56	23 49	23 52	18 17		n.a.
W22	16 25	23 42	1 28	7 43	2 4	14 54	0 14	3 34	0 19	18 44	0 22	16 11	1 35	23 36	0 36	23 35	0 32	15 47	2 56	23 49	23 52	18 15		n.a.
T 23	16 43	23 59	0 22	8 26	1 54	15 20	0 12	3 28	0 22	18 42	0 22	16 10	1 35	23 36	0 36	23 35	0 32	15 47	2 56	23 49	23 52	18 13		n.a.
F 24	16 59	23 7	0s44	9 11	1 43	15 45	0 9	3 22	0 24	18 41	0 22	16 8	1 35	23 36	0 36	23 35	0 32	15 46	2 56	23 49	23 52	18 11		n.a.
S 25	17 16	21 12	1 47	9 57	1 31	16 10	0 7	3 16	0 27	18 39	0 22	16 7	1 35	23 36	0 36	23 35	0 32	15 46	2 56	23 49	23 52	18 9		n.a.
S 26	17 32	18 22	2 45	10 44	1 19	16 35	0 5	3 10	0 29	18 37	0 21	16 6	1 35	23 36	0 36	23 34	0 32	15 46	2 56	23 49	23 51	18 7		n.a.
M27	17 48	14 48	3 36	11 32	1 8	16 59	0 2	3 3	0 31	18 35	0 21	16 5	1 34	23 37	0 36	23 34	0 32	15 46	2 55	23 49	23 51	18 5		n.a.
T 28	18 4	10 39	4 18	12 20	0 56	17 22	0 0	2 56	0 34	18 33	0 21	16 4	1 34	23 37	0 36	23 34	0 32	15 45	2 55	23 49	23 51	18 3		n.a.
W29	18 20	6 2	4 49	13 9	0 44	17 45	0n 2	2 49	0 36	18 32	0 21	16 3	1 34	23 37	0 36	23 34	0 32	15 45	2 55	23 49	23 51	18 1		n.a.
T 30	18 35	1 7	5 7	13 58	0 32	18 8	0 5	2 41	0 38	18 30	0 21	16 1	1 34	23 37	0 36	23 34	0 32	15 45	2 55	23 49	23 51	17 58		n.a.
F 31	18n50	3s58	5s12	14n47	0s20	18n30	0n 7	2n33	0s41	18s28	0n21	16s 0	1n34	23s37	0s36	23n34	0n32	15s44	2n55	23s49	23s51	17n56		n.a.

Julian Day Number = 1102809.5, Delta T = 11h00m56s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'08, Lahiri = -27°19'07 Julian Calendar 1 May 1694 BCE == Greg. Calendar 17 Apr. 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

JUNE 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 37 9	23♉47'23	10♎58	12♉ 0	22♉24	22♍23	22°R35	17°R54	15°R 5	15♋ 3	21°R46	25°R32	26♐42	29♋32	n.a.	S 1
S 2	15 41 6	24°44'28	24°15	14° 1	23°38	22°38	22♏27	17♏50	15♑ 4	15° 5	21♏44	25♐27	26°39	29°38	n.a.	S 2
M 3	15 45 2	25°41'34	7♏54	16° 3	24°52	22°54	22°20	17°45	15° 2	15° 6	21°43	25°23	26°35	29°45	n.a.	M 3
T 4	15 48 59	26°38'40	21°53	18° 7	26° 6	23°11	22°12	17°41	15° 1	15° 8	21°41	25°19	26°32	29°52	n.a.	T 4
W 5	15 52 55	27°35'47	6♐ 8	20°13	27°20	23°28	22° 4	17°37	15° 0	15° 9	21°40	25°16	26°29	29°58	n.a.	W 5
T 6	15 56 52	28°32'55	20°35	22°19	28°34	23°46	21°57	17°32	14°58	15°11	21°38	25°D15	26°26	0♌ 5	n.a.	T 6
F 7	16 0 48	29°30'03	5♑ 8	24°27	29°47	24° 4	21°49	17°28	14°57	15°13	21°37	25°16	26°23	0°12	n.a.	F 7
S 8	16 4 45	0♊27'12	19°41	26°34	1♊ 1	24°23	21°42	17°24	14°55	15°14	21°35	25°17	26°20	0°18	n.a.	S 8
S 9	16 8 42	1°24'23	4♒10	28°42	2°15	24°43	21°34	17°20	14°54	15°16	21°34	25°18	26°16	0°25	n.a.	S 9
M10	16 12 38	2°21'34	18°30	0♊50	3°29	25° 3	21°27	17°16	14°52	15°18	21°32	25°19	26°13	0°32	n.a.	M10
T 11	16 16 35	3°18'46	2♓40	2°57	4°43	25°23	21°19	17°11	14°51	15°20	21°31	25°R20	26°10	0°38	n.a.	T 11
W12	16 20 31	4°15'59	16°36	5° 3	5°57	25°44	21°12	17° 7	14°49	15°21	21°29	25°19	26° 7	0°45	n.a.	W12
T 13	16 24 28	5°13'14	0♈20	7° 9	7°11	26° 6	21° 5	17° 3	14°48	15°23	21°28	25°18	26° 4	0°52	n.a.	T 13
F 14	16 28 24	6°10'30	13°49	9°14	8°25	26°28	20°57	16°59	14°46	15°25	21°26	25°16	26° 0	0°58	n.a.	F 14
S 15	16 32 21	7° 7'47	27° 4	11°18	9°39	26°51	20°50	16°55	14°44	15°27	21°25	25°13	25°57	1° 5	n.a.	S 15
S 16	16 36 17	8° 5'05	10♉ 4	13°20	10°53	27°14	20°43	16°51	14°42	15°29	21°24	25°11	25°54	1°12	n.a.	S 16
M17	16 40 14	9° 2'24	22°51	15°21	12° 7	27°37	20°36	16°47	14°41	15°30	21°22	25° 9	25°51	1°18	n.a.	M17
T 18	16 44 11	9°59'44	5♊24	17°21	13°21	28° 2	20°29	16°43	14°39	15°32	21°21	25° 7	25°48	1°25	n.a.	T 18
W19	16 48 7	10°57'06	17°45	19°19	14°35	28°26	20°23	16°40	14°37	15°34	21°19	25° 6	25°45	1°32	n.a.	W19
T 20	16 52 4	11°54'28	29°54	21°16	15°49	28°51	20°16	16°36	14°35	15°36	21°18	25°D 6	25°41	1°38	n.a.	T 20
F 21	16 56 0	12°51'52	11♋54	23°11	17° 3	29°16	20° 9	16°32	14°33	15°38	21°17	25° 7	25°38	1°45	n.a.	F 21
S 22	16 59 57	13°49'16	23°47	25° 5	18°17	29°42	20° 3	16°28	14°31	15°40	21°15	25° 8	25°35	1°52	n.a.	S 22
S 23	17 3 53	14°46'42	5♌37	26°57	19°32	0♎ 9	19°56	16°25	14°29	15°42	21°14	25° 9	25°32	1°58	n.a.	S 23
M24	17 7 50	15°44'08	17°26	28°47	20°46	0°35	19°50	16°21	14°27	15°44	21°13	25°10	25°29	2° 5	n.a.	M24
T 25	17 11 47	16°41'35	29°19	0♋36	22° 0	1° 2	19°44	16°18	14°25	15°46	21°11	25°10	25°25	2°12	n.a.	T 25
W26	17 15 43	17°39'04	11♍21	2°24	23°14	1°30	19°38	16°14	14°23	15°48	21°10	25°11	25°22	2°18	n.a.	W26
T 27	17 19 40	18°36'33	23°35	4° 9	24°28	1°58	19°32	16°11	14°21	15°50	21° 9	25°R11	25°19	2°25	n.a.	T 27
F 28	17 23 36	19°34'04	6♎ 7	5°54	25°42	2°26	19°26	16° 8	14°19	15°52	21° 7	25°11	25°16	2°32	n.a.	F 28
S 29	17 27 33	20°31'35	19° 0	7°36	26°56	2°55	19°21	16° 4	14°17	15°54	21° 6	25°10	25°13	2°38	n.a.	S 29
S 30	17 31 29	21♊29'08	2♏18	9♋18	28♊11	3♎24	19♏15	16♏ 1	14♑15	15♋56	21♏ 5	25♐10	25♐10	2♌45	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n 4	9s 1	5s 1	15n35	0s 9	18n52	0n 9	2n25	0s43	18s26	0n20	15s59	1n34	23s37	0s36	23n33	0n32	15s44	2n55	23s49	23s51	17n54		n.a.
S 2	19 19	13 48	4 34	16 23	0n 3	19 13	0 12	2 17	0 45	18 24	0 20	15 58	1 34	23 38	0 36	23 33	0 32	15 44	2 55	23 49	23 51	17 52		n.a.
M 3	19 33	18 2	3 51	17 10	0 14	19 34	0 14	2 9	0 47	18 22	0 20	15 57	1 34	23 38	0 36	23 33	0 32	15 44	2 55	23 49	23 51	17 50		n.a.
T 4	19 46	21 21	2 53	17 56	0 24	19 55	0 16	2 0	0 49	18 21	0 20	15 56	1 34	23 38	0 36	23 33	0 32	15 43	2 55	23 48	23 51	17 48		n.a.
W 5	20 0	23 26	1 43	18 41	0 35	20 14	0 19	1 51	0 51	18 19	0 20	15 55	1 34	23 38	0 36	23 33	0 32	15 43	2 54	23 48	23 51	17 46		n.a.
T 6	20 13	23 59	0 26	19 25	0 44	20 33	0 21	1 42	0 53	18 17	0 20	15 53	1 34	23 38	0 37	23 32	0 32	15 43	2 54	23 48	23 51	17 43		n.a.
F 7	20 25	22 53	0n54	20 6	0 53	20 52	0 23	1 33	0 55	18 15	0 19	15 52	1 33	23 38	0 37	23 32	0 32	15 42	2 54	23 48	23 50	17 41		n.a.
S 8	20 38	20 16	2 10	20 46	1 2	21 10	0 26	1 24	0 57	18 13	0 19	15 51	1 33	23 39	0 37	23 32	0 32	15 42	2 54	23 48	23 50	17 39		n.a.
S 9	20 50	16 23	3 18	21 23	1 10	21 28	0 28	1 14	0 59	18 11	0 19	15 50	1 33	23 39	0 37	23 32	0 32	15 42	2 54	23 48	23 50	17 37		n.a.
M10	21 2	11 34	4 13	21 58	1 17	21 44	0 30	1 5	1 1	18 10	0 19	15 49	1 33	23 39	0 37	23 32	0 32	15 42	2 54	23 48	23 50	17 35		n.a.
T 11	21 13	6 12	4 51	22 31	1 24	22 1	0 32	0 55	1 3	18 8	0 19	15 48	1 33	23 39	0 37	23 31	0 32	15 41	2 54	23 48	23 50	17 33		n.a.
W12	21 24	0 37	5 12	23 1	1 29	22 16	0 34	0 44	1 4	18 6	0 19	15 47	1 33	23 39	0 37	23 31	0 32	15 41	2 54	23 48	23 50	17 31		n.a.
T 13	21 34	4n55	5 14	23 28	1 35	22 31	0 37	0 34	1 6	18 4	0 18	15 46	1 33	23 40	0 37	23 31	0 32	15 41	2 54	23 48	23 50	17 28		n.a.
F 14	21 45	10 7	4 59	23 53	1 39	22 46	0 39	0 24	1 8	18 2	0 18	15 45	1 33	23 40	0 37	23 31	0 32	15 41	2 53	23 48	23 50	17 26		n.a.
S 15	21 55	14 46	4 28	24 15	1 43	22 59	0 41	0 13	1 10	18 1	0 18	15 44	1 32	23 40	0 37	23 31	0 32	15 40	2 53	23 48	23 50	17 24		n.a.
S 16	22 4	18 39	3 44	24 35	1 46	23 12	0 43	0 2	1 11	17 59	0 18	15 43	1 32	23 40	0 37	23 30	0 32	15 40	2 53	23 48	23 50	17 22		n.a.
M17	22 13	21 33	2 49	24 52	1 48	23 25	0 45	0s 9	1 13	17 57	0 18	15 42	1 32	23 41	0 37	23 30	0 32	15 40	2 53	23 48	23 49	17 20		n.a.
T 18	22 22	23 22	1 47	25 6	1 50	23 36	0 47	0 20	1 14	17 56	0 18	15 41	1 32	23 41	0 37	23 30	0 32	15 40	2 53	23 48	23 49	17 18		n.a.
W19	22 31	23 59	0 41	25 18	1 51	23 47	0 49	0 31	1 16	17 54	0 17	15 40	1 32	23 41	0 37	23 30	0 32	15 39	2 53	23 48	23 49	17 15		n.a.
T 20	22 39	23 27	0s27	25 27	1 51	23 58	0 51	0 43	1 18	17 52	0 17	15 39	1 32	23 41	0 37	23 30	0 32	15 39	2 53	23 48	23 49	17 13		n.a.
F 21	22 46	21 49	1 32	25 34	1 51	24 7	0 53	0 55	1 19	17 51	0 17	15 38	1 32	23 41	0 37	23 29	0 32	15 39	2 52	23 48	23 49	17 11		n.a.
S 22	22 53	19 15	2 32	25 38	1 51	24 16	0 55	1 6	1 20	17 49	0 17	15 37	1 31	23 42	0 37	23 29	0 32	15 39	2 52	23 48	23 49	17 9		n.a.
S 23	23 0	15 54	3 26	25 41	1 49	24 24	0 56	1 18	1 22	17 48	0 17	15 36	1 31	23 42	0 37	23 29	0 32	15 38	2 52	23 48	23 49	17 7		n.a.
M24	23 7	11 55	4 11	25 41	1 47	24 32	0 58	1 30	1 23	17 46	0 16	15 35	1 31	23 42	0 37	23 29	0 32	15 38	2 52	23 48	23 49	17 5		n.a.
T 25	23 13	7 28	4 46	25 38	1 45	24 38	1 0	1 43	1 25	17 44	0 16	15 34	1 31	23 42	0 37	23 28	0 32	15 38	2 52	23 48	23 49	17 2		n.a.
W26	23 18	2 42	5 8	25 34	1 42	24 44	1 2	1 55	1 26	17 43	0 16	15 34	1 31	23 43	0 37	23 28	0 32	15 38	2 52	23 48	23 49	17 0		n.a.
T 27	23 24	2s15	5 17	25 28	1 39	24 50	1 3	2 7	1 27	17 42	0 16	15 33	1 31	23 43	0 37	23 28	0 32	15 38	2 52	23 48	23 48	16 58		n.a.
F 28	23 28	7 14	5 12	25 20	1 35	24 54	1 5	2 20	1 29	17 40	0 16	15 32	1 30	23 43	0 37	23 28	0 32	15 37	2 52	23 48	23 48	16 56		n.a.
S 29	23 33	12 2	4 50	25 11	1 31	24 58	1 6	2 33	1 30	17 39	0 15	15 31	1 30	23 43	0 37	23 27	0 32	15 37	2 51	23 48	23 48	16 54		n.a.
S 30	23n37	16s27	4s13	25n 0	1n26	25n 1	1n 8	2s46	1s31	17s37	0n15	15s30	1n30	23s44	0s37	23n27	0n32	15s37	2n51	23s48	23s48	16n51		n.a.

Julian Day Number = 1102840.5, Delta T = 11h00m54s
Ecliptic obliquity = 23°53'30, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°26'03, Lahiri = -27°19'03 Julian Calendar 1 June 1694 BCE == Greg. Calendar 18 May 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

JULY 1694 BCE (-1693) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 35 26	22♊26'42	16♏ 0	10♋57	29♊25	3♎53	19°R10	15°R58	14°R13	15♋58	21°R 4	25°R 9	25♐ 6	2♌52	n.a.	M 1
T 2	17 39 22	23°24'17	0♐ 8	12°35	0♋39	4°23	19♏ 5	15♏55	14♑11	16° 0	21♏ 2	25♐ 9	25° 3	2°59	n.a.	T 2
W 3	17 43 19	24°21'54	14°38	14°12	1°53	4°53	19° 0	15°52	14° 8	16° 2	21° 1	25° 9	25° 0	3° 5	n.a.	W 3
T 4	17 47 16	25°19'32	29°24	15°47	3° 8	5°23	18°55	15°49	14° 6	16° 4	21° 0	25° 9	24°57	3°12	n.a.	T 4
F 5	17 51 12	26°17'11	14♑20	17°21	4°22	5°54	18°50	15°46	14° 4	16° 6	20°59	25° 9	24°54	3°19	n.a.	F 5
S 6	17 55 9	27°14'52	29°18	18°53	5°36	6°25	18°46	15°44	14° 2	16° 9	20°58	25° 9	24°51	3°25	n.a.	S 6
S 7	17 59 5	28°12'35	14♒ 9	20°24	6°50	6°56	18°41	15°41	13°59	16°11	20°57	25° 9	24°47	3°32	n.a.	S 7
M 8	18 3 2	29°10'20	28°47	21°53	8° 5	7°28	18°37	15°38	13°57	16°13	20°55	25° 8	24°44	3°39	n.a.	M 8
T 9	18 6 58	0♋ 8'06	13♓ 8	23°20	9°19	8° 0	18°33	15°36	13°55	16°15	20°54	25° 8	24°41	3°45	n.a.	T 9
W10	18 10 55	1° 5'55	27° 8	24°46	10°33	8°32	18°29	15°33	13°53	16°17	20°53	25°D 8	24°38	3°52	n.a.	W10
T 11	18 14 51	2° 3'45	10♈46	26°11	11°48	9° 5	18°25	15°31	13°50	16°19	20°52	25° 8	24°35	3°59	n.a.	T 11
F 12	18 18 48	3° 1'38	24° 4	27°34	13° 2	9°38	18°22	15°29	13°48	16°22	20°51	25° 8	24°31	4° 5	n.a.	F 12
S 13	18 22 45	3°59'32	7♉ 3	28°55	14°16	10°11	18°18	15°27	13°46	16°24	20°50	25° 9	24°28	4°12	n.a.	S 13
S 14	18 26 41	4°57'28	19°45	0♌14	15°31	10°44	18°15	15°24	13°43	16°26	20°49	25°10	24°25	4°19	n.a.	S 14
M15	18 30 38	5°55'27	2♊13	1°32	16°45	11°18	18°12	15°22	13°41	16°28	20°48	25°11	24°22	4°25	n.a.	M15
T 16	18 34 34	6°53'27	14°30	2°48	17°59	11°52	18° 9	15°21	13°38	16°30	20°47	25°11	24°19	4°32	n.a.	T 16
W17	18 38 31	7°51'29	26°37	4° 2	19°14	12°26	18° 6	15°19	13°36	16°33	20°46	25°R12	24°16	4°39	n.a.	W17
T 18	18 42 27	8°49'33	8♋36	5°15	20°28	13° 0	18° 4	15°17	13°34	16°35	20°46	25°11	24°12	4°45	n.a.	T 18
F 19	18 46 24	9°47'39	20°30	6°25	21°43	13°35	18° 2	15°15	13°31	16°37	20°45	25°10	24° 9	4°52	n.a.	F 19
S 20	18 50 20	10°45'47	2♌20	7°33	22°57	14°10	18° 0	15°14	13°29	16°39	20°44	25° 8	24° 6	4°59	n.a.	S 20
S 21	18 54 17	11°43'56	14° 8	8°40	24°11	14°45	17°58	15°12	13°27	16°41	20°43	25° 6	24° 3	5° 5	n.a.	S 21
M22	18 58 14	12°42'07	25°58	9°43	25°26	15°21	17°56	15°11	13°24	16°44	20°42	25° 3	24° 0	5°12	n.a.	M22
T 23	19 2 10	13°40'20	7♍53	10°45	26°40	15°57	17°54	15°10	13°22	16°46	20°42	25° 0	23°57	5°19	n.a.	T 23
W24	19 6 7	14°38'35	19°54	11°44	27°55	16°33	17°53	15° 8	13°19	16°48	20°41	24°58	23°53	5°25	n.a.	W24
T 25	19 10 3	15°36'51	2♎ 7	12°40	29° 9	17° 9	17°52	15° 7	13°17	16°50	20°40	24°56	23°50	5°32	n.a.	T 25
F 26	19 14 0	16°35'09	14°35	13°33	0♌24	17°45	17°51	15° 6	13°15	16°53	20°39	24°D56	23°47	5°39	n.a.	F 26
S 27	19 17 56	17°33'29	27°23	14°23	1°38	18°22	17°50	15° 5	13°12	16°55	20°39	24°56	23°44	5°46	n.a.	S 27
S 28	19 21 53	18°31'50	10♏34	15°10	2°53	18°59	17°49	15° 5	13°10	16°57	20°38	24°57	23°41	5°52	n.a.	S 28
M29	19 25 49	19°30'13	24°11	15°54	4° 7	19°36	17°49	15° 4	13° 7	16°59	20°38	24°59	23°37	5°59	n.a.	M29
T 30	19 29 46	20°28'38	8♐14	16°33	5°21	20°13	17°49	15° 3	13° 5	17° 1	20°37	25° 0	23°34	6° 6	n.a.	T 30
W31	19 33 43	21♋27'05	22♐45	17♌ 9	6♌36	20♎50	17°D49	15♏ 3	13♑ 3	17♋ 4	20♏36	25°R 1	23♐31	6♌12	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23n40	20s 8	3s21	24n47	1n21	25n 3	1n 9	2s59	1s32	17s36	0n15	15s30	1n30	23s44	0s37	23n27	0n32	15s37	2n51	23s48	23s48	16n49			n.a.
T 2	23 43	22 45	2 15	24 33	1 16	25 4	1 11	3 12	1 33	17 35	0 15	15 29	1 30	23 44	0 37	23 27	0 32	15 37	2 51	23 48	23 48	16 47			n.a.
W 3	23 46	23 57	0 58	24 17	1 10	25 5	1 12	3 25	1 34	17 34	0 15	15 28	1 30	23 44	0 37	23 26	0 32	15 36	2 51	23 48	23 48	16 45			n.a.
T 4	23 48	23 30	0n24	24 0	1 4	25 5	1 13	3 38	1 36	17 33	0 14	15 28	1 29	23 45	0 37	23 26	0 32	15 36	2 51	23 48	23 48	16 42			n.a.
F 5	23 50	21 22	1 45	23 42	0 58	25 4	1 15	3 52	1 37	17 31	0 14	15 27	1 29	23 45	0 37	23 26	0 32	15 36	2 50	23 48	23 47	16 40			n.a.
S 6	23 52	17 46	2 59	23 22	0 51	25 2	1 16	4 5	1 38	17 30	0 14	15 26	1 29	23 45	0 37	23 26	0 32	15 36	2 50	23 48	23 47	16 38			n.a.
S 7	23 53	13 4	4 0	23 2	0 44	25 0	1 17	4 19	1 39	17 29	0 14	15 26	1 29	23 45	0 37	23 25	0 32	15 36	2 50	23 48	23 47	16 36			n.a.
M 8	23 53	7 40	4 45	22 41	0 37	24 56	1 18	4 32	1 40	17 28	0 14	15 25	1 29	23 46	0 37	23 25	0 32	15 36	2 50	23 48	23 47	16 34			n.a.
T 9	23 53	1 59	5 11	22 19	0 29	24 52	1 19	4 46	1 41	17 27	0 14	15 25	1 29	23 46	0 37	23 25	0 32	15 36	2 50	23 48	23 47	16 31			n.a.
W10	23 53	3n40	5 17	21 56	0 21	24 48	1 20	5 0	1 42	17 26	0 13	15 24	1 28	23 46	0 37	23 25	0 32	15 35	2 50	23 48	23 47	16 29			n.a.
T 11	23 52	9 0	5 6	21 32	0 13	24 42	1 21	5 14	1 43	17 25	0 13	15 23	1 28	23 46	0 37	23 24	0 32	15 35	2 50	23 48	23 47	16 27			n.a.
F 12	23 51	13 48	4 38	21 7	0 5	24 36	1 22	5 28	1 43	17 25	0 13	15 23	1 28	23 47	0 37	23 24	0 32	15 35	2 49	23 48	23 47	16 25			n.a.
S 13	23 50	17 50	3 57	20 42	0s 4	24 29	1 23	5 42	1 44	17 24	0 13	15 23	1 28	23 47	0 37	23 24	0 32	15 35	2 49	23 48	23 46	16 22			n.a.
S 14	23 48	20 57	3 4	20 17	0 12	24 21	1 23	5 56	1 45	17 23	0 13	15 22	1 28	23 47	0 37	23 24	0 32	15 35	2 49	23 48	23 46	16 20			n.a.
M15	23 45	23 1	2 4	19 51	0 21	24 12	1 24	6 10	1 46	17 22	0 12	15 22	1 27	23 48	0 37	23 23	0 32	15 35	2 49	23 48	23 46	16 18			n.a.
T 16	23 42	23 57	0 59	19 25	0 30	24 3	1 25	6 25	1 47	17 22	0 12	15 21	1 27	23 48	0 37	23 23	0 32	15 35	2 49	23 48	23 46	16 16			n.a.
W17	23 39	23 43	0s 8	18 58	0 39	23 53	1 25	6 39	1 48	17 21	0 12	15 21	1 27	23 48	0 37	23 23	0 32	15 35	2 49	23 48	23 46	16 13			n.a.
T 18	23 35	22 23	1 14	18 32	0 49	23 43	1 26	6 53	1 48	17 21	0 12	15 21	1 27	23 48	0 37	23 23	0 32	15 35	2 48	23 48	23 46	16 11			n.a.
F 19	23 31	20 4	2 16	18 5	0 58	23 31	1 26	7 8	1 49	17 20	0 12	15 20	1 27	23 49	0 37	23 22	0 32	15 35	2 48	23 48	23 46	16 9			n.a.
S 20	23 27	16 55	3 11	17 38	1 8	23 19	1 26	7 22	1 50	17 20	0 11	15 20	1 26	23 49	0 37	23 22	0 32	15 35	2 48	23 48	23 45	16 7			n.a.
S 21	23 22	13 6	3 59	17 12	1 17	23 6	1 27	7 37	1 51	17 19	0 11	15 20	1 26	23 49	0 37	23 22	0 32	15 34	2 48	23 48	23 45	16 4			n.a.
M22	23 16	8 47	4 36	16 45	1 27	22 53	1 27	7 52	1 51	17 19	0 11	15 20	1 26	23 49	0 37	23 21	0 32	15 34	2 48	23 48	23 45	16 2			n.a.
T 23	23 10	4 7	5 1	16 19	1 37	22 38	1 27	8 6	1 52	17 19	0 11	15 19	1 26	23 50	0 37	23 21	0 32	15 34	2 48	23 48	23 45	16 0			n.a.
W24	23 4	0s44	5 14	15 53	1 47	22 23	1 27	8 21	1 53	17 19	0 11	15 19	1 26	23 50	0 37	23 21	0 32	15 34	2 47	23 48	23 45	15 58			n.a.
T 25	22 57	5 37	5 13	15 28	1 56	22 8	1 27	8 36	1 53	17 19	0 11	15 19	1 25	23 50	0 37	23 21	0 32	15 34	2 47	23 48	23 45	15 55			n.a.
F 26	22 50	10 24	4 57	15 3	2 6	21 52	1 27	8 50	1 54	17 18	0 10	15 19	1 25	23 50	0 37	23 20	0 32	15 34	2 47	23 48	23 45	15 53			n.a.
S 27	22 43	14 52	4 26	14 39	2 16	21 35	1 27	9 5	1 54	17 18	0 10	15 19	1 25	23 51	0 37	23 20	0 32	15 34	2 47	23 48	23 44	15 51			n.a.
S 28	22 35	18 45	3 41	14 16	2 26	21 17	1 27	9 20	1 55	17 18	0 10	15 19	1 25	23 51	0 37	23 20	0 32	15 34	2 47	23 48	23 44	15 48			n.a.
M29	22 27	21 47	2 42	13 54	2 35	20 59	1 26	9 35	1 55	17 18	0 10	15 19	1 25	23 51	0 37	23 20	0 32	15 34	2 46	23 48	23 44	15 46			n.a.
T 30	22 18	23 35	1 31	13 33	2 45	20 41	1 26	9 50	1 56	17 19	0 10	15 19	1 24	23 51	0 37	23 19	0 33	15 34	2 46	23 48	23 44	15 44			n.a.
W31	22n 9	23s54	0s12	13n14	2s54	20n21	1n26	10s 5	1s56	17s19	0n 9	15s19	1n24	23s52	0s37	23n19	0n33	15s34	2n46	23s48	23s44	15n42			n.a.

Julian Day Number = 1102870.5, Delta T = 11h00m52s
Ecliptic obliquity = 23°53'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'59, Lahiri = -27°18'59 Julian Calendar 1 July 1694 BCE == Greg. Calendar 17 June 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

AUGUST 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 37 39	22♋25'34	7♉37	17♌40	7♌50	21♎28	17♏49	15°R 2	13°R 0	17♋ 6	20°R36	25°R 0	23♐28	6♌19	n.a.	T 1
F 2	19 41 36	23°24'05	22°45	18° 7	9° 5	22° 6	17°49	15♏ 2	12♉58	17° 8	20♏35	24♐58	23°25	6°26	n.a.	F 2
S 3	19 45 32	24°22'38	8♒ 0	18°28	10°19	22°43	17°50	15° 2	12°56	17°10	20°35	24°55	23°22	6°32	n.a.	S 3
S 4	19 49 29	25°21'13	23°10	18°45	11°34	23°22	17°51	15° 2	12°53	17°13	20°34	24°51	23°18	6°39	n.a.	S 4
M 5	19 53 25	26°19'50	8♓ 8	18°56	12°48	24° 0	17°52	15°D 1	12°51	17°15	20°34	24°47	23°15	6°46	n.a.	M 5
T 6	19 57 22	27°18'29	22°44	19°R 0	14° 3	24°38	17°53	15° 2	12°49	17°17	20°34	24°43	23°12	6°52	n.a.	T 6
W 7	20 1 18	28°17'11	6♈54	18°59	15°17	25°17	17°54	15° 2	12°46	17°19	20°33	24°40	23° 9	6°59	n.a.	W 7
T 8	20 5 15	29°15'56	20°37	18°51	16°32	25°56	17°56	15° 2	12°44	17°21	20°33	24°38	23° 6	7° 6	n.a.	T 8
F 9	20 9 11	0♌14'42	3♉54	18°36	17°46	26°35	17°57	15° 2	12°42	17°24	20°33	24°D38	23° 3	7°12	n.a.	F 9
S 10	20 13 8	1°13'32	16°46	18°13	19° 1	27°14	17°59	15° 3	12°40	17°26	20°32	24°39	22°59	7°19	n.a.	S 10
S 11	20 17 5	2°12'23	29°19	17°44	20°15	27°53	18° 1	15° 3	12°37	17°28	20°32	24°40	22°56	7°26	n.a.	S 11
M12	20 21 1	3°11'17	11♊36	17° 8	21°29	28°33	18° 4	15° 4	12°35	17°30	20°32	24°42	22°53	7°32	n.a.	M12
T 13	20 24 58	4°10'14	23°41	16°24	22°44	29°13	18° 6	15° 5	12°33	17°32	20°32	24°R42	22°50	7°39	n.a.	T 13
W14	20 28 54	5° 9'13	5♋38	15°34	23°58	29°52	18° 9	15° 5	12°31	17°34	20°32	24°42	22°47	7°46	n.a.	W14
T 15	20 32 51	6° 8'14	17°29	14°38	25°13	0♏32	18°12	15° 6	12°29	17°36	20°32	24°39	22°43	7°53	n.a.	T 15
F 16	20 36 47	7° 7'18	29°19	13°38	26°27	1°12	18°15	15° 7	12°27	17°39	20°32	24°34	22°40	7°59	n.a.	F 16
S 17	20 40 44	8° 6'24	11♌ 8	12°33	27°42	1°53	18°18	15° 9	12°25	17°41	20°31	24°28	22°37	8° 6	n.a.	S 17
S 18	20 44 40	9° 5'31	22°59	11°26	28°56	2°33	18°21	15°10	12°23	17°43	20°D31	24°20	22°34	8°13	n.a.	S 18
M19	20 48 37	10° 4'41	4♍53	10°18	0♍11	3°14	18°25	15°11	12°20	17°45	20°31	24°11	22°31	8°19	n.a.	M19
T 20	20 52 33	11° 3'53	16°52	9°11	1°25	3°54	18°29	15°13	12°18	17°47	20°31	24° 2	22°28	8°26	n.a.	T 20
W21	20 56 30	12° 3'08	28°58	8° 6	2°40	4°35	18°32	15°14	12°16	17°49	20°32	23°54	22°24	8°33	n.a.	W21
T 22	21 0 27	13° 2'24	11♎14	7° 6	3°54	5°16	18°37	15°16	12°15	17°51	20°32	23°48	22°21	8°39	n.a.	T 22
F 23	21 4 23	14° 1'42	23°42	6°12	5° 9	5°57	18°41	15°17	12°13	17°53	20°32	23°43	22°18	8°46	n.a.	F 23
S 24	21 8 20	15° 1'02	6♏27	5°26	6°23	6°38	18°45	15°19	12°11	17°55	20°32	23°41	22°15	8°53	n.a.	S 24
S 25	21 12 16	16° 0'24	19°30	4°48	7°37	7°20	18°50	15°21	12° 9	17°57	20°32	23°D41	22°12	8°59	n.a.	S 25
M26	21 16 13	16°59'48	2♐57	4°20	8°52	8° 1	18°55	15°23	12° 7	17°59	20°32	23°41	22° 9	9° 6	n.a.	M26
T 27	21 20 9	17°59'14	16°49	4° 2	10° 6	8°43	19° 0	15°25	12° 5	18° 1	20°33	23°R42	22° 5	9°13	n.a.	T 27
W28	21 24 6	18°58'42	1♑ 7	3°D56	11°21	9°24	19° 5	15°28	12° 3	18° 3	20°33	23°42	22° 2	9°19	n.a.	W28
T 29	21 28 2	19°58'12	15°50	4° 0	12°35	10° 6	19°10	15°30	12° 2	18° 5	20°33	23°40	21°59	9°26	n.a.	T 29
F 30	21 31 59	20°57'44	0♒54	4°14	13°49	10°48	19°16	15°32	12° 0	18° 7	20°34	23°36	21°56	9°33	n.a.	F 30
S 31	21 35 56	21♌57'18	16♒ 9	4♌39	15♍ 4	11♏30	19♏22	15♏35	11♑58	18♋ 9	20♏34	23♐29	21♐53	9♌40	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21n59	22s31	1n 9	12n56	3s 3	20n 2	1n25	10s19	1s57	17s19	0n 9	15s19	1n24	23s52	0s37	23n19	0n33	15s34	2n46	23s48	23s44	15n39			n.a.
F 2	21 49	19 32	2 26	12 40	3 11	19 41	1 25	10 34	1 57	17 19	0 9	15 19	1 24	23 52	0 37	23 18	0 33	15 34	2 46	23 48	23 43	15 37			n.a.
S 3	21 39	15 10	3 34	12 25	3 19	19 20	1 24	10 49	1 58	17 20	0 9	15 19	1 24	23 52	0 37	23 18	0 33	15 34	2 46	23 48	23 43	15 35			n.a.
S 4	21 28	9 52	4 26	12 13	3 27	18 59	1 24	11 4	1 58	17 20	0 9	15 19	1 23	23 52	0 37	23 18	0 33	15 35	2 45	23 47	23 43	15 32			n.a.
M 5	21 17	4 3	4 59	12 3	3 34	18 36	1 23	11 19	1 59	17 20	0 9	15 20	1 23	23 53	0 37	23 18	0 33	15 35	2 45	23 47	23 43	15 30			n.a.
T 6	21 6	1n50	5 12	11 55	3 41	18 14	1 22	11 34	1 59	17 21	0 8	15 20	1 23	23 53	0 37	23 17	0 33	15 35	2 45	23 47	23 43	15 28			n.a.
W 7	20 54	7 27	5 5	11 50	3 46	17 51	1 21	11 48	1 59	17 21	0 8	15 20	1 23	23 53	0 37	23 17	0 33	15 35	2 45	23 47	23 43	15 26			n.a.
T 8	20 41	12 31	4 41	11 48	3 51	17 27	1 20	12 3	2 0	17 22	0 8	15 20	1 23	23 53	0 37	23 17	0 33	15 35	2 45	23 47	23 42	15 23			n.a.
F 9	20 29	16 50	4 2	11 49	3 55	17 3	1 19	12 18	2 0	17 23	0 8	15 21	1 22	23 54	0 37	23 17	0 33	15 35	2 44	23 47	23 42	15 21			n.a.
S 10	20 16	20 14	3 12	11 54	3 57	16 39	1 18	12 33	2 0	17 23	0 8	15 21	1 22	23 54	0 37	23 16	0 33	15 35	2 44	23 47	23 42	15 19			n.a.
S 11	20 2	22 34	2 14	12 2	3 58	16 14	1 17	12 48	2 1	17 24	0 8	15 21	1 22	23 54	0 37	23 16	0 33	15 35	2 44	23 47	23 42	15 16			n.a.
M12	19 49	23 46	1 11	12 14	3 57	15 48	1 16	13 2	2 1	17 25	0 7	15 22	1 22	23 54	0 37	23 16	0 33	15 35	2 44	23 47	23 42	15 14			n.a.
T 13	19 35	23 50	0 6	12 29	3 55	15 22	1 15	13 17	2 1	17 26	0 7	15 22	1 21	23 54	0 37	23 15	0 33	15 35	2 44	23 47	23 42	15 12			n.a.
W14	19 20	22 47	0s59	12 48	3 51	14 56	1 13	13 32	2 1	17 27	0 7	15 23	1 21	23 55	0 37	23 15	0 33	15 36	2 44	23 47	23 41	15 9			n.a.
T 15	19 5	20 44	2 1	13 10	3 45	14 29	1 12	13 46	2 2	17 28	0 7	15 23	1 21	23 55	0 37	23 15	0 33	15 36	2 43	23 47	23 41	15 7			n.a.
F 16	18 50	17 48	2 56	13 35	3 37	14 2	1 11	14 1	2 2	17 29	0 7	15 24	1 21	23 55	0 37	23 15	0 33	15 36	2 43	23 47	23 41	15 5			n.a.
S 17	18 35	14 10	3 45	14 3	3 27	13 35	1 9	14 15	2 2	17 30	0 7	15 24	1 21	23 55	0 37	23 14	0 33	15 36	2 43	23 46	23 41	15 2			n.a.
S 18	18 19	9 58	4 23	14 34	3 15	13 7	1 8	14 30	2 2	17 31	0 6	15 25	1 20	23 55	0 37	23 14	0 33	15 36	2 43	23 46	23 41	15 0			n.a.
M19	18 3	5 24	4 50	15 6	3 1	12 39	1 6	14 44	2 2	17 32	0 6	15 25	1 20	23 56	0 37	23 14	0 33	15 36	2 43	23 46	23 41	14 58			n.a.
T 20	17 47	0 37	5 5	15 39	2 45	12 10	1 4	14 58	2 3	17 33	0 6	15 26	1 20	23 56	0 37	23 14	0 33	15 37	2 42	23 45	23 40	14 55			n.a.
W21	17 30	4s15	5 6	16 13	2 28	11 41	1 3	15 13	2 3	17 34	0 6	15 26	1 20	23 56	0 37	23 13	0 33	15 37	2 42	23 45	23 40	14 53			n.a.
T 22	17 13	9 0	4 53	16 46	2 9	11 12	1 1	15 27	2 3	17 36	0 6	15 27	1 20	23 56	0 37	23 13	0 33	15 37	2 42	23 45	23 40	14 51			n.a.
F 23	16 56	13 29	4 27	17 18	1 50	10 43	0 59	15 41	2 3	17 37	0 6	15 28	1 19	23 56	0 37	23 13	0 33	15 37	2 42	23 44	23 40	14 48			n.a.
S 24	16 38	17 28	3 46	17 49	1 30	10 13	0 57	15 55	2 3	17 39	0 5	15 29	1 19	23 56	0 37	23 13	0 33	15 37	2 42	23 44	23 40	14 46			n.a.
S 25	16 20	20 43	2 53	18 17	1 10	9 43	0 55	16 9	2 3	17 40	0 5	15 29	1 19	23 57	0 37	23 12	0 33	15 38	2 42	23 44	23 39	14 44			n.a.
M26	16 2	22 56	1 49	18 43	0 51	9 13	0 53	16 23	2 3	17 41	0 5	15 30	1 19	23 57	0 37	23 12	0 33	15 38	2 41	23 44	23 39	14 41			n.a.
T 27	15 44	23 50	0 37	19 6	0 31	8 43	0 51	16 37	2 3	17 43	0 5	15 31	1 19	23 57	0 37	23 12	0 33	15 38	2 41	23 44	23 39	14 39			n.a.
W28	15 25	23 14	0n40	19 26	0 13	8 12	0 49	16 50	2 3	17 45	0 5	15 32	1 18	23 57	0 37	23 12	0 33	15 38	2 41	23 44	23 39	14 37			n.a.
T 29	15 6	21 1	1 56	19 42	0n 5	7 41	0 47	17 4	2 3	17 46	0 5	15 33	1 18	23 57	0 37	23 11	0 33	15 39	2 41	23 44	23 39	14 34			n.a.
F 30	14 47	17 19	3 5	19 54	0 21	7 10	0 45	17 17	2 3	17 48	0 5	15 34	1 18	23 57	0 37	23 11	0 33	15 39	2 41	23 44	23 38	14 32			n.a.
S 31	14n27	12s26	4n 3	20n 3	0n36	6n39	0n42	17s31	2s 3	17s50	0n 4	15s34	1n18	23s57	0s37	23n11	0n33	15s39	2n40	23s44	23s38	14n30			n.a.

Julian Day Number = 1102901.5, Delta T = 11h00m50s
Ecliptic obliquity = 23°53'29, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'55, Lahiri = -27°18'55 Julian Calendar 1 Aug. 1694 BCE == Greg. Calendar 18 July 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

SEPTEMBER 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 39 52	22♌56'54	1♓26	5♌13	16♍18	12♏12	19♏27	15♏37	11°R57	18♋11	20♏34	23°R21	21♐49	9♌46	n.a.	S 1
M 2	21 43 49	23°56'32	16°33	5°57	17°32	12°54	19°33	15°40	11♑55	18°13	20°35	23♐11	21°46	9°53	n.a.	M 2
T 3	21 47 45	24°56'13	1♈22	6°49	18°47	13°36	19°39	15°43	11°54	18°15	20°35	23° 2	21°43	10° 0	n.a.	T 3
W 4	21 51 42	25°55'56	15°43	7°48	20° 1	14°19	19°46	15°45	11°52	18°17	20°36	22°55	21°40	10° 6	n.a.	W 4
T 5	21 55 38	26°55'41	29°35	8°54	21°15	15° 1	19°52	15°48	11°51	18°19	20°36	22°49	21°37	10°13	n.a.	T 5
F 6	21 59 35	27°55'29	12♉57	10° 6	22°30	15°44	19°59	15°51	11°49	18°20	20°37	22°46	21°34	10°20	n.a.	F 6
S 7	22 3 31	28°55'19	25°52	11°23	23°44	16°26	20° 6	15°55	11°48	18°22	20°37	22°D45	21°30	10°26	n.a.	S 7
S 8	22 7 28	29°55'12	8♊24	12°44	24°58	17° 9	20°13	15°58	11°46	18°24	20°38	22°45	21°27	10°33	n.a.	S 8
M 9	22 11 24	0♍55'07	20°37	14° 9	26°13	17°52	20°20	16° 1	11°45	18°26	20°39	22°R46	21°24	10°40	n.a.	M 9
T 10	22 15 21	1°55'04	2♋37	15°38	27°27	18°35	20°27	16° 4	11°44	18°27	20°39	22°45	21°21	10°46	n.a.	T 10
W11	22 19 18	2°55'04	14°29	17° 9	28°41	19°17	20°34	16° 8	11°42	18°29	20°40	22°43	21°18	10°53	n.a.	W11
T 12	22 23 14	3°55'06	26°18	18°42	29°55	20° 1	20°42	16°11	11°41	18°31	20°41	22°38	21°15	11° 0	n.a.	T 12
F 13	22 27 11	4°55'10	8♌ 6	20°17	1♎10	20°44	20°50	16°15	11°40	18°33	20°42	22°30	21°11	11° 6	n.a.	F 13
S 14	22 31 7	5°55'17	19°57	21°53	2°24	21°27	20°57	16°19	11°39	18°34	20°43	22°20	21° 8	11°13	n.a.	S 14
S 15	22 35 4	6°55'25	1♍53	23°31	3°38	22°10	21° 5	16°22	11°38	18°36	20°43	22° 7	21° 5	11°20	n.a.	S 15
M16	22 39 0	7°55'35	13°55	25° 9	4°52	22°54	21°13	16°26	11°37	18°37	20°44	21°53	21° 2	11°27	n.a.	M16
T 17	22 42 57	8°55'48	26° 4	26°48	6° 6	23°37	21°22	16°30	11°36	18°39	20°45	21°39	20°59	11°33	n.a.	T 17
W18	22 46 53	9°56'02	8♎21	28°27	7°20	24°20	21°30	16°34	11°35	18°41	20°46	21°26	20°55	11°40	n.a.	W18
T 19	22 50 50	10°56'18	20°47	0♍ 7	8°35	25° 4	21°39	16°38	11°34	18°42	20°47	21°15	20°52	11°47	n.a.	T 19
F 20	22 54 46	11°56'36	3♏24	1°46	9°49	25°48	21°47	16°43	11°33	18°44	20°48	21° 7	20°49	11°53	n.a.	F 20
S 21	22 58 43	12°56'56	16°13	3°26	11° 3	26°31	21°56	16°47	11°33	18°45	20°49	21° 2	20°46	12° 0	n.a.	S 21
S 22	23 2 40	13°57'18	29°17	5° 6	12°17	27°15	22° 5	16°51	11°32	18°47	20°50	21° 0	20°43	12° 7	n.a.	S 22
M23	23 6 36	14°57'41	12♐38	6°45	13°31	27°59	22°14	16°56	11°31	18°48	20°51	20°59	20°40	12°13	n.a.	M23
T 24	23 10 33	15°58'06	26°19	8°25	14°45	28°43	22°23	17° 0	11°30	18°49	20°52	20°59	20°36	12°20	n.a.	T 24
W25	23 14 29	16°58'32	10♑23	10° 4	15°59	29°27	22°33	17° 5	11°30	18°51	20°53	20°58	20°33	12°27	n.a.	W25
T 26	23 18 26	17°59'00	24°48	11°43	17°13	0♐11	22°42	17° 9	11°29	18°52	20°54	20°55	20°30	12°33	n.a.	T 26
F 27	23 22 22	18°59'29	9♒32	13°21	18°27	0°55	22°52	17°14	11°29	18°53	20°56	20°50	20°27	12°40	n.a.	F 27
S 28	23 26 19	20° 0'00	24°31	15° 0	19°41	1°39	23° 1	17°19	11°28	18°55	20°57	20°41	20°24	12°47	n.a.	S 28
S 29	23 30 15	21° 0'32	9♓35	16°38	20°55	2°23	23°11	17°24	11°28	18°56	20°58	20°31	20°20	12°54	n.a.	S 29
M30	23 34 12	22♍ 1'06	24♓35	18♍15	22♎ 9	3♐ 7	23♏21	17♏29	11♑28	18♋57	20♏59	20♐19	20♐17	13♌ 0	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n 7	6s47	4n42	20n 8	0n50	6n 7	0n40	17s44	2s 3	17s51	0n 4	15s35	1n18	23s58	0s37	23n11	0n33	15s39	2n40	23s43	23s38	14n27		n.a.
M 2	13 47	0 47	5 2	20 9	1 3	5 36	0 38	17 57	2 3	17 53	0 4	15 36	1 17	23 58	0 37	23 10	0 33	15 40	2 40	23 43	23 38	14 25		n.a.
T 3	13 27	5n 8	5 1	20 7	1 14	5 4	0 36	18 10	2 3	17 55	0 4	15 37	1 17	23 58	0 37	23 10	0 33	15 40	2 40	23 42	23 38	14 23		n.a.
W 4	13 7	10 36	4 41	20 1	1 24	4 32	0 33	18 23	2 3	17 57	0 4	15 38	1 17	23 58	0 37	23 10	0 33	15 40	2 40	23 42	23 37	14 20		n.a.
T 5	12 46	15 20	4 4	19 51	1 32	4 0	0 31	18 36	2 3	17 59	0 4	15 39	1 17	23 58	0 37	23 10	0 33	15 41	2 40	23 42	23 37	14 18		n.a.
F 6	12 25	19 7	3 16	19 39	1 40	3 28	0 28	18 48	2 3	18 1	0 4	15 40	1 17	23 58	0 37	23 9	0 33	15 41	2 39	23 41	23 37	14 15		n.a.
S 7	12 4	21 49	2 18	19 23	1 46	2 56	0 26	19 1	2 2	18 3	0 3	15 42	1 16	23 58	0 37	23 9	0 33	15 41	2 39	23 41	23 37	14 13		n.a.
S 8	11 43	23 22	1 16	19 4	1 51	2 23	0 23	19 13	2 2	18 5	0 3	15 43	1 16	23 58	0 37	23 9	0 33	15 42	2 39	23 41	23 37	14 11		n.a.
M 9	11 21	23 45	0 11	18 43	1 54	1 51	0 21	19 26	2 2	18 7	0 3	15 44	1 16	23 59	0 37	23 9	0 33	15 42	2 39	23 41	23 36	14 8		n.a.
T 10	10 59	23 0	0s52	18 19	1 57	1 18	0 18	19 38	2 2	18 9	0 3	15 45	1 16	23 59	0 37	23 9	0 33	15 42	2 39	23 41	23 36	14 6		n.a.
W11	10 38	21 13	1 53	17 53	1 59	0 46	0 15	19 50	2 2	18 11	0 3	15 46	1 16	23 59	0 37	23 8	0 33	15 43	2 38	23 41	23 36	14 4		n.a.
T 12	10 15	18 32	2 48	17 24	2 0	0 14	0 13	20 2	2 2	18 13	0 3	15 47	1 16	23 59	0 37	23 8	0 33	15 43	2 38	23 41	23 36	14 1		n.a.
F 13	9 53	15 7	3 36	16 54	2 1	0s19	0 10	20 13	2 1	18 15	0 3	15 49	1 15	23 59	0 37	23 8	0 33	15 43	2 38	23 40	23 36	13 59		n.a.
S 14	9 31	11 5	4 15	16 22	2 0	0 52	0 7	20 25	2 1	18 18	0 2	15 50	1 15	23 59	0 37	23 8	0 33	15 44	2 38	23 40	23 35	13 56		n.a.
S 15	9 8	6 37	4 42	15 48	1 59	1 24	0 5	20 36	2 1	18 20	0 2	15 51	1 15	23 59	0 37	23 7	0 33	15 44	2 38	23 39	23 35	13 54		n.a.
M16	8 45	1 53	4 57	15 13	1 57	1 57	0 2	20 47	2 1	18 22	0 2	15 52	1 15	23 59	0 37	23 7	0 33	15 45	2 38	23 38	23 35	13 52		n.a.
T 17	8 22	2s58	4 59	14 37	1 55	2 29	0s 1	20 58	2 0	18 25	0 2	15 54	1 15	23 59	0 37	23 7	0 34	15 45	2 37	23 37	23 35	13 49		n.a.
W18	7 59	7 46	4 48	13 59	1 53	3 1	0 4	21 9	2 0	18 27	0 2	15 55	1 14	23 59	0 37	23 7	0 34	15 45	2 37	23 37	23 34	13 47		n.a.
T 19	7 36	12 18	4 22	13 21	1 49	3 34	0 7	21 20	2 0	18 29	0 2	15 56	1 14	23 59	0 37	23 7	0 34	15 46	2 37	23 36	23 34	13 45		n.a.
F 20	7 13	16 22	3 43	12 41	1 46	4 6	0 9	21 30	2 0	18 32	0 2	15 58	1 14	23 59	0 37	23 7	0 34	15 46	2 37	23 35	23 34	13 42		n.a.
S 21	6 49	19 45	2 53	12 1	1 42	4 38	0 12	21 41	1 59	18 34	0 1	15 59	1 14	23 59	0 37	23 6	0 34	15 47	2 37	23 35	23 34	13 40		n.a.
S 22	6 26	22 12	1 52	11 20	1 37	5 10	0 15	21 51	1 59	18 37	0 1	16 1	1 14	23 59	0 37	23 6	0 34	15 47	2 37	23 35	23 34	13 37		n.a.
M23	6 2	23 28	0 44	10 38	1 33	5 42	0 18	22 1	1 59	18 39	0 1	16 2	1 14	23 59	0 37	23 6	0 34	15 48	2 36	23 35	23 33	13 35		n.a.
T 24	5 38	23 22	0n28	9 55	1 28	6 14	0 21	22 10	1 58	18 42	0 1	16 4	1 13	24 0	0 37	23 6	0 34	15 48	2 36	23 35	23 33	13 33		n.a.
W25	5 14	21 48	1 41	9 13	1 23	6 46	0 24	22 20	1 58	18 44	0 1	16 5	1 13	24 0	0 37	23 6	0 34	15 49	2 36	23 35	23 33	13 30		n.a.
T 26	4 50	18 49	2 48	8 29	1 18	7 18	0 27	22 29	1 58	18 47	0 1	16 7	1 13	24 0	0 37	23 6	0 34	15 49	2 36	23 34	23 33	13 28		n.a.
F 27	4 26	14 34	3 46	7 46	1 12	7 49	0 29	22 38	1 57	18 49	0 1	16 8	1 13	24 0	0 37	23 5	0 34	15 50	2 36	23 34	23 32	13 25		n.a.
S 28	4 2	9 22	4 30	7 2	1 6	8 20	0 32	22 47	1 57	18 52	0 1	16 10	1 13	24 0	0 37	23 5	0 34	15 50	2 36	23 33	23 32	13 23		n.a.
S 29	3 38	3 35	4 55	6 18	1 0	8 51	0 35	22 56	1 57	18 55	0 0	16 11	1 13	24 0	0 37	23 5	0 34	15 50	2 35	23 33	23 32	13 21		n.a.
M30	3n13	2n23	4n59	5n34	0n54	9s22	0s38	23s 4	1s56	18s57	0n 0	16s13	1n12	24s 0	0s37	23n 5	0n34	15s51	2n35	23s32	23s32	13n18		n.a.

Julian Day Number = 1102932.5, Delta T = 11h00m48s
Ecliptic obliquity = 23°53'30, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'51, Lahiri = -27°18'51 Julian Calendar 1 Sept. 1694 BCE == Greg. Calendar 18 Aug. 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

OCTOBER 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 38 8	23♍ 1'42	9♈22	19♍53	23♎23	3♐52	23♏31	17♏34	11°R27	18♋58	21♏ 1	20°R 7	20♐14	13♌ 7	n.a.	T 1
W 2	23 42 5	24° 2'19	23°46	21°30	24°37	4°36	23°41	17°39	11♑27	19° 0	21° 2	19♐57	20°11	13°14	n.a.	W 2
T 3	23 46 2	25° 2'59	7♉43	23° 6	25°51	5°20	23°51	17°44	11°27	19° 1	21° 3	19°49	20° 8	13°20	n.a.	T 3
F 4	23 49 58	26° 3'40	21°11	24°43	27° 5	6° 4	24° 2	17°49	11°27	19° 2	21° 5	19°44	20° 5	13°27	n.a.	F 4
S 5	23 53 55	27° 4'23	4♊11	26°19	28°19	6°49	24°12	17°54	11°27	19° 3	21° 6	19°41	20° 1	13°34	n.a.	S 5
S 6	23 57 51	28° 5'08	16°47	27°55	29°32	7°33	24°23	18° 0	11°D27	19° 4	21° 7	19°D41	19°58	13°40	n.a.	S 6
M 7	0 1 48	29° 5'55	29° 3	29°30	0♏46	8°18	24°33	18° 5	11°27	19° 5	21° 9	19°R41	19°55	13°47	n.a.	M 7
T 8	0 5 44	0♎ 6'44	11♋ 4	1♎ 5	2° 0	9° 2	24°44	18°10	11°27	19° 6	21°10	19°40	19°52	13°54	n.a.	T 8
W 9	0 9 41	1° 7'34	22°56	2°40	3°14	9°47	24°55	18°16	11°27	19° 7	21°12	19°38	19°49	14° 1	n.a.	W 9
T 10	0 13 37	2° 8'26	4♌45	4°15	4°27	10°31	25° 6	18°22	11°27	19° 8	21°13	19°34	19°46	14° 7	n.a.	T 10
F 11	0 17 34	3° 9'20	16°35	5°50	5°41	11°16	25°17	18°27	11°27	19° 9	21°15	19°27	19°42	14°14	n.a.	F 11
S 12	0 21 31	4°10'15	28°29	7°24	6°55	12° 1	25°28	18°33	11°27	19°10	21°16	19°17	19°39	14°21	n.a.	S 12
S 13	0 25 27	5°11'11	10♍31	8°59	8° 8	12°45	25°40	18°39	11°28	19°10	21°18	19° 4	19°36	14°27	n.a.	S 13
M14	0 29 24	6°12'10	22°42	10°33	9°22	13°30	25°51	18°44	11°28	19°11	21°19	18°51	19°33	14°34	n.a.	M14
T 15	0 33 20	7°13'09	5♎ 4	12° 7	10°36	14°15	26° 2	18°50	11°29	19°12	21°21	18°37	19°30	14°41	n.a.	T 15
W16	0 37 17	8°14'10	17°36	13°41	11°49	14°59	26°14	18°56	11°29	19°13	21°23	18°24	19°26	14°47	n.a.	W16
T 17	0 41 13	9°15'12	0♏20	15°14	13° 3	15°44	26°26	19° 2	11°30	19°13	21°24	18°14	19°23	14°54	n.a.	T 17
F 18	0 45 10	10°16'15	13°14	16°48	14°16	16°29	26°37	19° 8	11°30	19°14	21°26	18° 6	19°20	15° 1	n.a.	F 18
S 19	0 49 6	11°17'19	26°19	18°21	15°30	17°14	26°49	19°14	11°31	19°15	21°28	18° 1	19°17	15° 8	n.a.	S 19
S 20	0 53 3	12°18'24	9♐36	19°55	16°43	17°59	27° 1	19°20	11°31	19°15	21°29	17°59	19°14	15°14	n.a.	S 20
M21	0 57 0	13°19'30	23° 4	21°28	17°57	18°43	27°13	19°26	11°32	19°16	21°31	17°D59	19°11	15°21	n.a.	M21
T 22	1 0 56	14°20'37	6♑45	23° 2	19°10	19°28	27°25	19°33	11°33	19°16	21°33	17°59	19° 7	15°28	n.a.	T 22
W23	1 4 53	15°21'44	20°41	24°35	20°23	20°13	27°37	19°39	11°34	19°17	21°35	17°R59	19° 4	15°34	n.a.	W23
T 24	1 8 49	16°22'52	4♒51	26° 8	21°37	20°58	27°49	19°45	11°35	19°17	21°36	17°58	19° 1	15°41	n.a.	T 24
F 25	1 12 46	17°24'01	19°14	27°41	22°50	21°43	28° 2	19°51	11°36	19°18	21°38	17°54	18°58	15°48	n.a.	F 25
S 26	1 16 42	18°25'10	3♓47	29°14	24° 3	22°28	28°14	19°58	11°37	19°18	21°40	17°48	18°55	15°54	n.a.	S 26
S 27	1 20 39	19°26'20	18°25	0♏47	25°16	23°13	28°27	20° 4	11°38	19°19	21°42	17°39	18°51	16° 1	n.a.	S 27
M28	1 24 35	20°27'30	3♈ 1	2°20	26°30	23°58	28°39	20°11	11°39	19°19	21°44	17°30	18°48	16° 8	n.a.	M28
T 29	1 28 32	21°28'41	17°29	3°52	27°43	24°43	28°52	20°17	11°40	19°19	21°45	17°20	18°45	16°15	n.a.	T 29
W30	1 32 29	22°29'53	1♉40	5°25	28°56	25°28	29° 4	20°24	11°41	19°19	21°47	17°12	18°42	16°21	n.a.	W30
T 31	1 36 25	23♎31'06	15♉30	6♏57	0♐ 9	26♐13	29♏17	20♏30	11♑42	19♋20	21♏49	17♐ 5	18♐39	16♌28	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	2n49	8n 6	4n44	4n49	0n48	9s53	0s41	23s13	1s56	19s 0	0n 0	16s14	1n12	24s 0	0s37	23n 5	0n34	15s51	2n35	23s31	23s31	13n16			n.a.
W 2	2 25	13 15	4 10	4 5	0 42	10 23	0 44	23 21	1 55	19 3	0 0	16 16	1 12	24 0	0 37	23 5	0 34	15 52	2 35	23 30	23 31	13 13			n.a.
T 3	2 0	17 32	3 22	3 20	0 36	10 53	0 46	23 29	1 55	19 5	0s 0	16 17	1 12	24 0	0 36	23 4	0 34	15 52	2 35	23 30	23 31	13 11			n.a.
F 4	1 36	20 43	2 25	2 35	0 29	11 23	0 49	23 36	1 54	19 8	0 0	16 19	1 12	24 0	0 36	23 4	0 34	15 53	2 35	23 29	23 31	13 8			n.a.
S 5	1 11	22 43	1 21	1 51	0 23	11 53	0 52	23 44	1 54	19 11	0 0	16 21	1 12	24 0	0 36	23 4	0 34	15 54	2 34	23 29	23 30	13 6			n.a.
S 6	0 47	23 28	0 15	1 6	0 17	12 22	0 55	23 51	1 54	19 14	0 0	16 22	1 11	24 0	0 36	23 4	0 34	15 54	2 34	23 29	23 30	13 4			n.a.
M 7	0 22	23 4	0s49	0 21	0 10	12 51	0 58	23 58	1 53	19 17	0 1	16 24	1 11	24 0	0 36	23 4	0 34	15 55	2 34	23 29	23 30	13 1			n.a.
T 8	0s 3	21 35	1 51	0s23	0 4	13 20	1 0	24 5	1 53	19 19	0 1	16 26	1 11	23 59	0 36	23 4	0 34	15 55	2 34	23 29	23 30	12 59			n.a.
W 9	0 27	19 10	2 46	1 8	0s 3	13 49	1 3	24 11	1 52	19 22	0 1	16 27	1 11	23 59	0 36	23 4	0 34	15 56	2 34	23 29	23 30	12 56			n.a.
T 10	0 52	15 58	3 35	1 52	0 9	14 17	1 6	24 17	1 52	19 25	0 1	16 29	1 11	23 59	0 36	23 4	0 34	15 56	2 34	23 28	23 29	12 54			n.a.
F 11	1 17	12 8	4 14	2 36	0 16	14 44	1 8	24 23	1 51	19 28	0 1	16 31	1 11	23 59	0 36	23 4	0 34	15 57	2 33	23 28	23 29	12 52			n.a.
S 12	1 41	7 50	4 42	3 20	0 22	15 12	1 11	24 29	1 51	19 31	0 1	16 33	1 11	23 59	0 36	23 3	0 34	15 57	2 33	23 27	23 29	12 49			n.a.
S 13	2 6	3 11	4 58	4 4	0 29	15 39	1 14	24 35	1 50	19 33	0 1	16 34	1 10	23 59	0 36	23 3	0 34	15 58	2 33	23 26	23 29	12 47			n.a.
M14	2 30	1s38	5 0	4 47	0 35	16 5	1 16	24 40	1 50	19 36	0 1	16 36	1 10	23 59	0 36	23 3	0 34	15 58	2 33	23 25	23 28	12 44			n.a.
T 15	2 55	6 27	4 49	5 30	0 41	16 31	1 19	24 45	1 49	19 39	0 2	16 38	1 10	23 59	0 36	23 3	0 34	15 59	2 33	23 24	23 28	12 42			n.a.
W16	3 20	11 5	4 23	6 13	0 47	16 57	1 21	24 50	1 49	19 42	0 2	16 40	1 10	23 59	0 36	23 3	0 34	16 0	2 33	23 22	23 28	12 39			n.a.
T 17	3 44	15 18	3 44	6 56	0 53	17 23	1 24	24 54	1 48	19 45	0 2	16 41	1 10	23 59	0 36	23 3	0 34	16 0	2 33	23 22	23 27	12 37			n.a.
F 18	4 8	18 51	2 53	7 38	0 59	17 47	1 26	24 58	1 47	19 48	0 2	16 43	1 10	23 59	0 36	23 3	0 34	16 1	2 32	23 21	23 27	12 35			n.a.
S 19	4 33	21 31	1 53	8 20	1 5	18 12	1 29	25 2	1 47	19 51	0 2	16 45	1 10	23 59	0 36	23 3	0 34	16 1	2 32	23 20	23 27	12 32			n.a.
S 20	4 57	23 2	0 45	9 1	1 11	18 36	1 31	25 6	1 46	19 54	0 2	16 47	1 9	23 59	0 36	23 3	0 34	16 2	2 32	23 20	23 27	12 30			n.a.
M21	5 21	23 15	0n27	9 42	1 17	18 59	1 33	25 10	1 46	19 57	0 2	16 49	1 9	23 59	0 36	23 3	0 35	16 2	2 32	23 20	23 26	12 27			n.a.
T 22	5 45	22 5	1 38	10 23	1 22	19 22	1 35	25 13	1 45	20 0	0 2	16 50	1 9	23 59	0 36	23 3	0 35	16 3	2 32	23 20	23 26	12 25			n.a.
W23	6 10	19 33	2 45	11 3	1 27	19 45	1 38	25 16	1 45	20 2	0 2	16 52	1 9	23 58	0 36	23 3	0 35	16 4	2 32	23 20	23 26	12 22			n.a.
T 24	6 34	15 49	3 43	11 42	1 32	20 7	1 40	25 18	1 44	20 5	0 3	16 54	1 9	23 58	0 36	23 3	0 35	16 4	2 31	23 20	23 26	12 20			n.a.
F 25	6 57	11 6	4 28	12 21	1 37	20 28	1 42	25 21	1 43	20 8	0 3	16 56	1 9	23 58	0 36	23 3	0 35	16 5	2 31	23 20	23 25	12 17			n.a.
S 26	7 21	5 43	4 56	13 0	1 42	20 49	1 44	25 23	1 43	20 11	0 3	16 58	1 9	23 58	0 36	23 3	0 35	16 6	2 31	23 19	23 25	12 15			n.a.
S 27	7 45	0 0	5 4	13 37	1 46	21 9	1 46	25 25	1 42	20 14	0 3	17 0	1 9	23 58	0 36	23 3	0 35	16 6	2 31	23 18	23 25	12 13			n.a.
M28	8 8	5n42	4 53	14 14	1 51	21 29	1 48	25 27	1 42	20 17	0 3	17 2	1 8	23 58	0 36	23 3	0 35	16 7	2 31	23 17	23 25	12 10			n.a.
T 29	8 32	11 2	4 24	14 50	1 55	21 48	1 49	25 28	1 41	20 20	0 3	17 3	1 8	23 58	0 36	23 3	0 35	16 7	2 31	23 17	23 24	12 8			n.a.
W30	8 55	15 41	3 38	15 26	1 58	22 6	1 51	25 29	1 40	20 23	0 3	17 5	1 8	23 58	0 36	23 3	0 35	16 8	2 31	23 16	23 24	12 5			n.a.
T 31	9s18	19n21	2n41	16s 0	2s 2	22s24	1s53	25s30	1s40	20s26	0s 3	17s 7	1n 8	23s58	0s36	23n 3	0n35	16s 9	2n31	23s15	23s24	12n 3			n.a.

Julian Day Number = 1102962.5, Delta T = 11h00m46s
Ecliptic obliquity = 23°53'30, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'47, Lahiri = -27°18'46 Julian Calendar 1 Oct. 1694 BCE == Greg. Calendar 17 Sept. 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

NOVEMBER 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 40 22	24♎32'19	28♉56	8♏29	1♐22	26♐58	29♏30	20♏37	11♑43	19♋20	21♏51	17°R 1	18♐36	16♌35	n.a.	F 1
S 2	1 44 18	25°33'33	11♊57	10° 1	2°35	27°43	29°43	20°43	11°45	19°20	21°53	17°D 0	18°32	16°41	n.a.	S 2
S 3	1 48 15	26°34'49	24°36	11°32	3°48	28°27	29°55	20°50	11°46	19°20	21°55	17♐ 0	18°29	16°48	n.a.	S 3
M 4	1 52 11	27°36'05	6♋56	13° 3	5° 0	29°12	0♐ 8	20°57	11°48	19°20	21°57	17° 1	18°26	16°55	n.a.	M 4
T 5	1 56 8	28°37'21	19° 0	14°33	6°13	29°57	0°21	21° 3	11°49	19°20	21°59	17° 2	18°23	17° 1	n.a.	T 5
W 6	2 0 5	29°38'39	0♌55	16° 3	7°26	0♑42	0°35	21°10	11°51	19°R20	22° 1	17°R 3	18°20	17° 8	n.a.	W 6
T 7	2 4 1	0♏39'57	12°46	17°32	8°39	1°27	0°48	21°17	11°52	19°20	22° 3	17° 2	18°17	17°15	n.a.	T 7
F 8	2 7 58	1°41'15	24°37	18°59	9°51	2°12	1° 1	21°24	11°54	19°20	22° 5	16°59	18°13	17°22	n.a.	F 8
S 9	2 11 54	2°42'35	6♍33	20°26	11° 4	2°57	1°14	21°31	11°55	19°20	22° 7	16°54	18°10	17°28	n.a.	S 9
S 10	2 15 51	3°43'54	18°39	21°50	12°16	3°42	1°27	21°37	11°57	19°20	22° 9	16°47	18° 7	17°35	n.a.	S 10
M11	2 19 47	4°45'14	0♎58	23°14	13°29	4°27	1°41	21°44	11°59	19°20	22°11	16°39	18° 4	17°42	n.a.	M11
T 12	2 23 44	5°46'35	13°30	24°35	14°41	5°12	1°54	21°51	12° 1	19°20	22°13	16°31	18° 1	17°48	n.a.	T 12
W13	2 27 40	6°47'56	26°18	25°53	15°53	5°57	2° 8	21°58	12° 2	19°19	22°15	16°24	17°57	17°55	n.a.	W13
T 14	2 31 37	7°49'17	9♏21	27° 9	17° 6	6°42	2°21	22° 5	12° 4	19°19	22°17	16°18	17°54	18° 2	n.a.	T 14
F 15	2 35 34	8°50'38	22°38	28°21	18°18	7°27	2°35	22°12	12° 6	19°19	22°19	16°14	17°51	18° 8	n.a.	F 15
S 16	2 39 30	9°52'00	6♐ 8	29°29	19°30	8°12	2°48	22°19	12° 8	19°19	22°21	16°11	17°48	18°15	n.a.	S 16
S 17	2 43 27	10°53'21	19°48	0♐32	20°42	8°57	3° 2	22°26	12°10	19°18	22°23	16°D11	17°45	18°22	n.a.	S 17
M18	2 47 23	11°54'42	3♑37	1°30	21°54	9°42	3°15	22°33	12°12	19°18	22°25	16°12	17°42	18°29	n.a.	M18
T 19	2 51 20	12°56'02	17°34	2°22	23° 6	10°27	3°29	22°40	12°14	19°17	22°27	16°13	17°38	18°35	n.a.	T 19
W20	2 55 16	13°57'23	1♒37	3° 6	24°18	11°11	3°43	22°47	12°17	19°17	22°29	16°15	17°35	18°42	n.a.	W20
T 21	2 59 13	14°58'42	15°44	3°43	25°30	11°56	3°57	22°54	12°19	19°16	22°31	16°R15	17°32	18°49	n.a.	T 21
F 22	3 3 10	16° 0'01	29°55	4°11	26°41	12°41	4°10	23° 1	12°21	19°16	22°33	16°15	17°29	18°55	n.a.	F 22
S 23	3 7 6	17° 1'20	14♓ 7	4°29	27°53	13°26	4°24	23° 8	12°23	19°15	22°36	16°12	17°26	19° 2	n.a.	S 23
S 24	3 11 3	18° 2'38	28°18	4°R36	29° 4	14°11	4°38	23°15	12°25	19°15	22°38	16° 9	17°23	19° 9	n.a.	S 24
M25	3 14 59	19° 3'55	12♈24	4°32	0♑16	14°56	4°52	23°22	12°28	19°14	22°40	16° 5	17°19	19°16	n.a.	M25
T 26	3 18 56	20° 5'12	26°21	4°17	1°27	15°40	5° 6	23°29	12°30	19°14	22°42	16° 1	17°16	19°22	n.a.	T 26
W27	3 22 52	21° 6'29	10♉ 7	3°49	2°38	16°25	5°20	23°37	12°33	19°13	22°44	15°57	17°13	19°29	n.a.	W27
T 28	3 26 49	22° 7'45	23°36	3°10	3°49	17°10	5°34	23°44	12°35	19°12	22°46	15°54	17°10	19°36	n.a.	T 28
F 29	3 30 45	23° 9'00	6♊48	2°20	5° 0	17°54	5°48	23°51	12°37	19°11	22°48	15°53	17° 7	19°42	n.a.	F 29
S 30	3 34 42	24♏10'15	19♊42	1♐20	6♑11	18♑39	6♐ 2	23♏58	12♑40	19♋11	22♏50	15°D52	17♐ 3	19♌49	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s41	21n51	1n36	16s34	2s 5	22s41	1s55	25s30	1s39	20s29	0s 3	17s 9	1n 8	23s57	0s36	23n 3	0n35	16s 9	2n30	23s15	23s23	12n 0		n.a.
S 2	10 4	23 6	0 27	17 6	2 8	22 58	1 56	25 31	1 38	20 32	0 4	17 11	1 8	23 57	0 36	23 3	0 35	16 10	2 30	23 15	23 23	11 58		n.a.
S 3	10 26	23 6	0s41	17 38	2 10	23 14	1 58	25 31	1 38	20 35	0 4	17 13	1 8	23 57	0 36	23 3	0 35	16 10	2 30	23 15	23 23	11 55		n.a.
M 4	10 49	21 57	1 45	18 8	2 12	23 29	1 59	25 30	1 37	20 38	0 4	17 15	1 8	23 57	0 36	23 3	0 35	16 11	2 30	23 15	23 23	11 53		n.a.
T 5	11 11	19 49	2 44	18 37	2 13	23 44	2 0	25 30	1 36	20 40	0 4	17 17	1 8	23 57	0 36	23 3	0 35	16 12	2 30	23 15	23 22	11 50		n.a.
W 6	11 33	16 51	3 35	19 5	2 14	23 58	2 2	25 29	1 36	20 43	0 4	17 18	1 7	23 57	0 36	23 3	0 35	16 12	2 30	23 15	23 22	11 48		n.a.
T 7	11 55	13 13	4 16	19 32	2 15	24 11	2 3	25 28	1 35	20 46	0 4	17 20	1 7	23 56	0 36	23 3	0 35	16 13	2 30	23 15	23 22	11 45		n.a.
F 8	12 17	9 5	4 46	19 57	2 15	24 23	2 4	25 27	1 34	20 49	0 4	17 22	1 7	23 56	0 36	23 3	0 35	16 14	2 30	23 14	23 21	11 43		n.a.
S 9	12 39	4 35	5 4	20 20	2 14	24 35	2 5	25 25	1 34	20 52	0 4	17 24	1 7	23 56	0 36	23 3	0 35	16 14	2 29	23 14	23 21	11 41		n.a.
S 10	13 0	0s 9	5 9	20 42	2 12	24 46	2 6	25 23	1 33	20 55	0 4	17 26	1 7	23 56	0 36	23 3	0 35	16 15	2 29	23 13	23 21	11 38		n.a.
M11	13 21	4 57	4 59	21 2	2 10	24 57	2 7	25 21	1 32	20 58	0 5	17 28	1 7	23 56	0 36	23 3	0 35	16 16	2 29	23 12	23 21	11 36		n.a.
T 12	13 42	9 38	4 36	21 20	2 8	25 6	2 8	25 19	1 32	21 1	0 5	17 30	1 7	23 56	0 36	23 3	0 35	16 16	2 29	23 12	23 20	11 33		n.a.
W13	14 2	14 1	3 58	21 36	2 4	25 15	2 8	25 16	1 31	21 3	0 5	17 32	1 7	23 55	0 35	23 3	0 35	16 17	2 29	23 11	23 20	11 31		n.a.
T 14	14 23	17 49	3 7	21 49	1 59	25 23	2 9	25 13	1 30	21 6	0 5	17 34	1 7	23 55	0 35	23 3	0 35	16 17	2 29	23 10	23 20	11 28		n.a.
F 15	14 43	20 47	2 5	22 1	1 54	25 31	2 9	25 10	1 30	21 9	0 5	17 36	1 7	23 55	0 35	23 3	0 35	16 18	2 29	23 10	23 19	11 26		n.a.
S 16	15 3	22 38	0 55	22 10	1 47	25 37	2 10	25 7	1 29	21 12	0 5	17 37	1 6	23 55	0 35	23 3	0 35	16 19	2 29	23 10	23 19	11 23		n.a.
S 17	15 22	23 10	0n20	22 16	1 40	25 43	2 10	25 3	1 28	21 15	0 5	17 39	1 6	23 55	0 35	23 3	0 35	16 19	2 28	23 10	23 19	11 21		n.a.
M18	15 42	22 17	1 34	22 20	1 31	25 48	2 10	24 59	1 27	21 17	0 5	17 41	1 6	23 54	0 35	23 3	0 35	16 20	2 28	23 10	23 19	11 18		n.a.
T 19	16 1	20 1	2 43	22 21	1 21	25 53	2 10	24 55	1 27	21 20	0 5	17 43	1 6	23 54	0 35	23 4	0 35	16 21	2 28	23 10	23 18	11 16		n.a.
W20	16 20	16 33	3 43	22 19	1 10	25 56	2 10	24 50	1 26	21 23	0 6	17 45	1 6	23 54	0 35	23 4	0 35	16 21	2 28	23 10	23 18	11 13		n.a.
T 21	16 38	12 8	4 30	22 14	0 57	25 59	2 10	24 46	1 25	21 26	0 6	17 47	1 6	23 54	0 35	23 4	0 36	16 22	2 28	23 10	23 18	11 11		n.a.
F 22	16 56	7 2	5 0	22 5	0 43	26 1	2 10	24 41	1 25	21 28	0 6	17 49	1 6	23 53	0 35	23 4	0 36	16 23	2 28	23 10	23 17	11 8		n.a.
S 23	17 14	1 34	5 13	21 54	0 28	26 2	2 10	24 35	1 24	21 31	0 6	17 51	1 6	23 53	0 35	23 4	0 36	16 23	2 28	23 10	23 17	11 6		n.a.
S 24	17 32	3n58	5 6	21 39	0 12	26 3	2 10	24 30	1 23	21 34	0 6	17 53	1 6	23 53	0 35	23 4	0 36	16 24	2 28	23 9	23 17	11 3		n.a.
M25	17 49	9 17	4 41	21 21	0n 6	26 3	2 9	24 24	1 22	21 37	0 6	17 54	1 6	23 53	0 35	23 4	0 36	16 24	2 28	23 9	23 16	11 1		n.a.
T 26	18 6	14 4	3 59	21 0	0 24	26 2	2 9	24 18	1 22	21 39	0 6	17 56	1 6	23 53	0 35	23 4	0 36	16 25	2 28	23 8	23 16	10 58		n.a.
W27	18 22	18 2	3 4	20 36	0 43	26 0	2 8	24 12	1 21	21 42	0 6	17 58	1 6	23 52	0 35	23 4	0 36	16 26	2 27	23 8	23 16	10 56		n.a.
T 28	18 39	20 57	1 59	20 9	1 3	25 57	2 7	24 5	1 20	21 45	0 6	18 0	1 6	23 52	0 35	23 5	0 36	16 26	2 27	23 8	23 16	10 53		n.a.
F 29	18 55	22 40	0 50	19 40	1 23	25 54	2 6	23 59	1 19	21 47	0 7	18 2	1 5	23 52	0 35	23 5	0 36	16 27	2 27	23 8	23 15	10 51		n.a.
S 30	19s10	23n 8	0s21	19s 9	1n43	25s50	2s 5	23s52	1s19	21s50	0s 7	18s 4	1n 5	23s52	0s35	23n 5	0n36	16s28	2n27	23s 8	23s15	10n48		n.a.

Julian Day Number = 1102993.5, Delta T = 11h00m44s
Ecliptic obliquity = 23°53'29, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'43, Lahiri = -27°18'42 Julian Calendar 1 Nov. 1694 BCE == Greg. Calendar 18 Oct. 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1694 BCE
geocentric

DECEMBER 1694 BCE (-1693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 38 39	25♏11'30	2♋17	0°R12	7♑22	19♑24	6♐16	24♏ 5	12♑43	19°R10	22♏52	15♐53	17♐ 0	19♌56	n.a.	S 1
M 2	3 42 35	26°12'44	14°37	28♏58	8°32	20° 8	6°30	24°12	12°45	19♋ 9	22°54	15°55	16°57	20° 3	n.a.	M 2
T 3	3 46 32	27°13'58	26°43	27°41	9°43	20°53	6°44	24°19	12°48	19° 8	22°56	15°56	16°54	20° 9	n.a.	T 3
W 4	3 50 28	28°15'11	8♌40	26°22	10°53	21°38	6°58	24°26	12°50	19° 7	22°59	15°58	16°51	20°16	n.a.	W 4
T 5	3 54 25	29°16'24	20°32	25° 4	12° 3	22°22	7°12	24°33	12°53	19° 6	23° 1	15°59	16°48	20°23	n.a.	T 5
F 6	3 58 21	0♐17'36	2♍24	23°50	13°14	23° 7	7°26	24°40	12°56	19° 5	23° 3	15°R59	16°44	20°29	n.a.	F 6
S 7	4 2 18	1°18'47	14°21	22°41	14°24	23°51	7°40	24°47	12°59	19° 4	23° 5	15°59	16°41	20°36	n.a.	S 7
S 8	4 6 15	2°19'59	26°27	21°40	15°33	24°36	7°55	24°54	13° 1	19° 3	23° 7	15°57	16°38	20°43	n.a.	S 8
M 9	4 10 11	3°21'09	8♎47	20°46	16°43	25°20	8° 9	25° 2	13° 4	19° 2	23° 9	15°56	16°35	20°49	n.a.	M 9
T 10	4 14 8	4°22'19	21°24	20° 2	17°53	26° 5	8°23	25° 9	13° 7	19° 1	23°11	15°54	16°32	20°56	n.a.	T 10
W11	4 18 4	5°23'28	4♏20	19°26	19° 2	26°49	8°37	25°16	13°10	19° 0	23°13	15°52	16°28	21° 3	n.a.	W11
T 12	4 22 1	6°24'36	17°37	19° 0	20°11	27°33	8°51	25°23	13°13	18°59	23°15	15°51	16°25	21°10	n.a.	T 12
F 13	4 25 57	7°25'43	1♐14	18°43	21°21	28°18	9° 5	25°30	13°16	18°58	23°17	15°50	16°22	21°16	n.a.	F 13
S 14	4 29 54	8°26'50	15° 8	18°34	22°30	29° 2	9°20	25°37	13°19	18°57	23°19	15°D50	16°19	21°23	n.a.	S 14
S 15	4 33 50	9°27'55	29°17	18°D34	23°38	29°47	9°34	25°44	13°22	18°56	23°21	15°50	16°16	21°30	n.a.	S 15
M16	4 37 47	10°28'59	13♑35	18°41	24°47	0♒31	9°48	25°51	13°25	18°54	23°23	15°51	16°13	21°36	n.a.	M16
T 17	4 41 44	11°30'02	27°59	18°56	25°56	1°15	10° 2	25°58	13°28	18°53	23°25	15°51	16° 9	21°43	n.a.	T 17
W18	4 45 40	12°31'03	12♒23	19°17	27° 4	1°59	10°16	26° 4	13°31	18°52	23°27	15°52	16° 6	21°50	n.a.	W18
T 19	4 49 37	13°32'02	26°43	19°44	28°12	2°44	10°31	26°11	13°34	18°51	23°29	15°52	16° 3	21°57	n.a.	T 19
F 20	4 53 33	14°33'00	10♓57	20°17	29°20	3°28	10°45	26°18	13°37	18°49	23°31	15°R52	16° 0	22° 3	n.a.	F 20
S 21	4 57 30	15°33'56	25° 1	20°55	0♒27	4°12	10°59	26°25	13°40	18°48	23°33	15°D52	15°57	22°10	n.a.	S 21
S 22	5 1 26	16°34'51	8♈55	21°37	1°35	4°56	11°13	26°32	13°43	18°47	23°35	15°52	15°54	22°17	n.a.	S 22
M23	5 5 23	17°35'44	22°37	22°24	2°42	5°40	11°27	26°39	13°46	18°45	23°37	15°52	15°50	22°23	n.a.	M23
T 24	5 9 20	18°36'35	6♉ 6	23°14	3°49	6°24	11°41	26°45	13°49	18°44	23°39	15°52	15°47	22°30	n.a.	T 24
W25	5 13 16	19°37'25	19°23	24° 8	4°56	7° 8	11°56	26°52	13°53	18°43	23°41	15°53	15°44	22°37	n.a.	W25
T 26	5 17 13	20°38'13	2♊27	25° 4	6° 3	7°52	12°10	26°59	13°56	18°41	23°43	15°53	15°41	22°44	n.a.	T 26
F 27	5 21 9	21°39'00	15°18	26° 4	7° 9	8°36	12°24	27° 6	13°59	18°40	23°45	15°R53	15°38	22°50	n.a.	F 27
S 28	5 25 6	22°39'45	27°55	27° 7	8°15	9°20	12°38	27°12	14° 2	18°38	23°47	15°53	15°34	22°57	n.a.	S 28
S 29	5 29 2	23°40'29	10♋20	28°11	9°21	10° 4	12°52	27°19	14° 5	18°37	23°49	15°52	15°31	23° 4	n.a.	S 29
M30	5 32 59	24°41'11	22°34	29°19	10°26	10°47	13° 6	27°26	14° 9	18°35	23°51	15°51	15°28	23°10	n.a.	M30
T 31	5 36 55	25♐41'51	4♌37	0♐28	11♒32	11♒31	13♐20	27♏32	14♑12	18♋34	23♏52	15♐50	15♐25	23♌17	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	19s25	22n23	1s29	18s36	2n 1	25s45	2s 4	23s45	1s18	21s52	0s 7	18s 6	1n 5	23s51	0s35	23n 5	0n36	16s28	2n27	23s 8	23s15	10n46			n.a.
M 2	19 40	20 33	2 32	18 3	2 19	25 39	2 3	23 37	1 17	21 55	0 7	18 7	1 5	23 51	0 35	23 5	0 36	16 29	2 27	23 8	23 14	10 43			n.a.
T 3	19 55	17 50	3 27	17 30	2 35	25 33	2 2	23 29	1 16	21 57	0 7	18 9	1 5	23 51	0 35	23 5	0 36	16 29	2 27	23 8	23 14	10 41			n.a.
W 4	20 9	14 23	4 12	16 58	2 49	25 26	2 0	23 22	1 16	22 0	0 7	18 11	1 5	23 50	0 35	23 5	0 36	16 30	2 27	23 8	23 14	10 38			n.a.
T 5	20 22	10 24	4 46	16 28	3 1	25 18	1 59	23 13	1 15	22 3	0 7	18 13	1 5	23 50	0 35	23 6	0 36	16 31	2 27	23 8	23 13	10 36			n.a.
F 6	20 36	6 2	5 7	16 0	3 11	25 10	1 57	23 5	1 14	22 5	0 7	18 15	1 5	23 50	0 35	23 6	0 36	16 31	2 27	23 8	23 13	10 33			n.a.
S 7	20 49	1 25	5 16	15 36	3 18	25 0	1 55	22 57	1 13	22 7	0 7	18 16	1 5	23 50	0 35	23 6	0 36	16 32	2 26	23 8	23 13	10 31			n.a.
S 8	21 1	3s18	5 11	15 16	3 23	24 50	1 53	22 48	1 13	22 10	0 8	18 18	1 5	23 49	0 35	23 6	0 36	16 33	2 26	23 8	23 12	10 28			n.a.
M 9	21 13	8 0	4 52	14 59	3 26	24 40	1 51	22 39	1 12	22 12	0 8	18 20	1 5	23 49	0 35	23 6	0 36	16 33	2 26	23 8	23 12	10 26			n.a.
T 10	21 25	12 28	4 18	14 46	3 26	24 29	1 49	22 30	1 11	22 15	0 8	18 22	1 5	23 49	0 35	23 6	0 36	16 34	2 26	23 8	23 12	10 24			n.a.
W11	21 36	16 30	3 30	14 38	3 25	24 17	1 47	22 20	1 10	22 17	0 8	18 24	1 5	23 48	0 35	23 7	0 36	16 34	2 26	23 8	23 11	10 21			n.a.
T 12	21 47	19 48	2 30	14 34	3 22	24 4	1 45	22 11	1 10	22 20	0 8	18 25	1 5	23 48	0 35	23 7	0 36	16 35	2 26	23 7	23 11	10 18			n.a.
F 13	21 58	22 6	1 20	14 33	3 18	23 51	1 42	22 1	1 9	22 22	0 8	18 27	1 5	23 48	0 35	23 7	0 36	16 36	2 26	23 7	23 11	10 16			n.a.
S 14	22 8	23 7	0 4	14 36	3 12	23 37	1 40	21 51	1 8	22 24	0 8	18 29	1 5	23 47	0 35	23 7	0 36	16 36	2 26	23 7	23 10	10 13			n.a.
S 15	22 17	22 39	1n14	14 42	3 6	23 22	1 37	21 40	1 7	22 26	0 8	18 31	1 5	23 47	0 35	23 7	0 36	16 37	2 26	23 7	23 10	10 11			n.a.
M16	22 26	20 44	2 28	14 51	2 59	23 7	1 34	21 30	1 6	22 29	0 8	18 32	1 5	23 47	0 35	23 8	0 36	16 37	2 26	23 7	23 10	10 8			n.a.
T 17	22 35	17 29	3 33	15 2	2 51	22 51	1 31	21 19	1 6	22 31	0 9	18 34	1 4	23 47	0 35	23 8	0 36	16 38	2 26	23 7	23 9	10 6			n.a.
W18	22 43	13 10	4 25	15 16	2 43	22 35	1 28	21 9	1 5	22 33	0 9	18 36	1 4	23 46	0 35	23 8	0 36	16 38	2 26	23 7	23 9	10 3			n.a.
T 19	22 51	8 9	5 0	15 32	2 34	22 18	1 25	20 58	1 4	22 35	0 9	18 37	1 4	23 46	0 35	23 8	0 36	16 39	2 26	23 7	23 9	10 1			n.a.
F 20	22 59	2 44	5 16	15 50	2 25	22 1	1 22	20 46	1 3	22 38	0 9	18 39	1 4	23 46	0 35	23 8	0 36	16 40	2 25	23 7	23 8	9 58			n.a.
S 21	23 6	2n46	5 13	16 9	2 15	21 43	1 18	20 35	1 3	22 40	0 9	18 41	1 4	23 45	0 35	23 9	0 36	16 40	2 25	23 7	23 8	9 56			n.a.
S 22	23 12	8 3	4 52	16 29	2 6	21 24	1 15	20 23	1 2	22 42	0 9	18 42	1 4	23 45	0 35	23 9	0 36	16 41	2 25	23 7	23 8	9 53			n.a.
M23	23 18	12 53	4 15	16 51	1 56	21 5	1 11	20 12	1 1	22 44	0 9	18 44	1 4	23 45	0 35	23 9	0 36	16 41	2 25	23 8	23 7	9 51			n.a.
T 24	23 23	17 0	3 23	17 13	1 46	20 45	1 8	20 0	1 0	22 46	0 9	18 46	1 4	23 44	0 35	23 9	0 36	16 42	2 25	23 8	23 7	9 48			n.a.
W25	23 29	20 11	2 22	17 36	1 37	20 25	1 4	19 48	1 0	22 48	0 10	18 47	1 4	23 44	0 35	23 10	0 36	16 42	2 25	23 8	23 7	9 46			n.a.
T 26	23 33	22 15	1 14	17 59	1 27	20 5	1 0	19 35	0 59	22 50	0 10	18 49	1 4	23 43	0 35	23 10	0 37	16 43	2 25	23 8	23 6	9 43			n.a.
F 27	23 37	23 7	0 3	18 23	1 17	19 44	0 56	19 23	0 58	22 52	0 10	18 50	1 4	23 43	0 35	23 10	0 37	16 43	2 25	23 8	23 6	9 41			n.a.
S 28	23 41	22 46	1s 6	18 47	1 8	19 23	0 52	19 10	0 57	22 54	0 10	18 52	1 4	23 43	0 35	23 10	0 37	16 44	2 25	23 8	23 6	9 38			n.a.
S 29	23 44	21 18	2 11	19 11	0 58	19 1	0 47	18 58	0 56	22 56	0 10	18 53	1 4	23 42	0 35	23 10	0 37	16 44	2 25	23 8	23 5	9 36			n.a.
M30	23 47	18 51	3 10	19 35	0 49	18 39	0 43	18 45	0 56	22 58	0 10	18 55	1 4	23 42	0 35	23 11	0 37	16 45	2 25	23 7	23 5	9 33			n.a.
T 31	23s49	15n37	3s58	19s59	0n40	18s16	0s38	18s32	0s55	23s 0	0s10	18s57	1n 4	23s42	0s35	23n11	0n37	16s46	2n25	23s 7	23s 5	9n31			n.a.

Julian Day Number = 1103023.5, Delta T = 11h00m42s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'39, Lahiri = -27°18'38 Julian Calendar 1 Dec. 1694 BCE == Greg. Calendar 17 Nov. 1694 BCE

The year -1693 astronomical counting style corresponds to year 1694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

JANUARY 1693 BCE (-1692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 40 52	26♐42'30	16♌34	1♐39	12♒37	12♒15	13♐34	27♏39	14♉15	18°R32	23♏54	15°R48	15♐22	23♌24	n.a.	W 1
T 2	5 44 49	27°43'07	28°27	2°52	13°41	12°59	13°48	27°45	14°19	18♋31	23°56	15♐47	15°19	23°31	n.a.	T 2
F 3	5 48 45	28°43'43	10♍19	4° 7	14°46	13°42	14° 2	27°52	14°22	18°29	23°58	15°46	15°15	23°37	n.a.	F 3
S 4	5 52 42	29°44'18	22°14	5°23	15°50	14°26	14°16	27°58	14°25	18°28	24° 0	15°45	15°12	23°44	n.a.	S 4
S 5	5 56 38	0♉44'51	4♎18	6°40	16°53	15° 9	14°30	28° 4	14°29	18°26	24° 1	15°D45	15° 9	23°51	n.a.	S 5
M 6	6 0 35	1°45'22	16°35	8° 0	17°57	15°53	14°44	28°11	14°32	18°25	24° 3	15°45	15° 6	23°57	n.a.	M 6
T 7	6 4 31	2°45'52	29° 9	9°20	19° 0	16°36	14°58	28°17	14°35	18°23	24° 5	15°46	15° 3	24° 4	n.a.	T 7
W 8	6 8 28	3°46'21	12♏ 5	10°42	20° 3	17°20	15°12	28°23	14°39	18°21	24° 7	15°48	15° 0	24°11	n.a.	W 8
T 9	6 12 24	4°46'48	25°25	12° 5	21° 5	18° 3	15°25	28°29	14°42	18°20	24° 8	15°49	14°56	24°18	n.a.	T 9
F 10	6 16 21	5°47'13	9♐10	13°29	22° 7	18°47	15°39	28°36	14°46	18°18	24°10	15°R50	14°53	24°24	n.a.	F 10
S 11	6 20 18	6°47'37	23°19	14°55	23° 9	19°30	15°53	28°42	14°49	18°17	24°12	15°50	14°50	24°31	n.a.	S 11
S 12	6 24 14	7°47'58	7♉49	16°22	24°10	20°14	16° 7	28°48	14°52	18°15	24°13	15°49	14°47	24°38	n.a.	S 12
M13	6 28 11	8°48'18	22°34	17°49	25°11	20°57	16°20	28°54	14°56	18°13	24°15	15°47	14°44	24°44	n.a.	M13
T 14	6 32 7	9°48'36	7♒27	19°18	26°12	21°40	16°34	29° 0	14°59	18°12	24°17	15°43	14°40	24°51	n.a.	T 14
W15	6 36 4	10°48'51	22°19	20°48	27°12	22°23	16°48	29° 6	15° 3	18°10	24°18	15°40	14°37	24°58	n.a.	W15
T 16	6 40 0	11°49'05	7♓ 2	22°19	28°11	23° 6	17° 1	29°12	15° 6	18° 8	24°20	15°37	14°34	25° 5	n.a.	T 16
F 17	6 43 57	12°49'16	21°31	23°51	29°10	23°50	17°15	29°17	15°10	18° 7	24°21	15°34	14°31	25°11	n.a.	F 17
S 18	6 47 53	13°49'24	5♈42	25°25	0♓ 9	24°33	17°28	29°23	15°13	18° 5	24°23	15°32	14°28	25°18	n.a.	S 18
S 19	6 51 50	14°49'31	19°33	26°59	1° 7	25°16	17°42	29°29	15°16	18° 3	24°24	15°D32	14°25	25°25	n.a.	S 19
M20	6 55 47	15°49'35	3♉ 4	28°34	2° 4	25°59	17°55	29°34	15°20	18° 2	24°26	15°33	14°21	25°31	n.a.	M20
T 21	6 59 43	16°49'36	16°16	0♊10	3° 2	26°42	18° 8	29°40	15°23	18° 0	24°27	15°35	14°18	25°38	n.a.	T 21
W22	7 3 40	17°49'36	29°12	1°48	3°58	27°25	18°22	29°46	15°27	17°58	24°29	15°36	14°15	25°45	n.a.	W22
T 23	7 7 36	18°49'33	11♊54	3°26	4°54	28° 8	18°35	29°51	15°30	17°57	24°30	15°R37	14°12	25°52	n.a.	T 23
F 24	7 11 33	19°49'28	24°25	5° 6	5°49	28°50	18°48	29°56	15°34	17°55	24°31	15°37	14° 9	25°58	n.a.	F 24
S 25	7 15 29	20°49'20	6♋45	6°47	6°44	29°33	19° 1	0♐ 2	15°37	17°53	24°33	15°35	14° 6	26° 5	n.a.	S 25
S 26	7 19 26	21°49'11	18°56	8°29	7°38	0♓16	19°14	0° 7	15°40	17°52	24°34	15°31	14° 2	26°12	n.a.	S 26
M27	7 23 22	22°48'59	1♌ 1	10°12	8°31	0°59	19°27	0°12	15°44	17°50	24°35	15°26	13°59	26°19	n.a.	M27
T 28	7 27 19	23°48'45	13° 0	11°56	9°24	1°41	19°40	0°17	15°47	17°48	24°37	15°19	13°56	26°25	n.a.	T 28
W29	7 31 16	24°48'29	24°54	13°41	10°16	2°24	19°53	0°23	15°51	17°47	24°38	15°11	13°53	26°32	n.a.	W29
T 30	7 35 12	25°48'11	6♍46	15°27	11° 7	3° 7	20° 6	0°28	15°54	17°45	24°39	15° 4	13°50	26°39	n.a.	T 30
F 31	7 39 9	26♉47'51	18♍38	17♉15	11♓58	3♓49	20♐19	0♐33	15♉57	17♋43	24♏40	14♐57	13♐46	26♌45	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23s51	11n47	4s36	20s23	0n31	17s53	0s34	18s19	0s54	23s 2	0s10	18s58	1n 4	23s41	0s35	23n11	0n37	16s46	2n25	23s 7	23s 4	9n28			n.a.
T 2	23 52	7 31	5 2	20 46	0 22	17 30	0 29	18 5	0 53	23 4	0 10	19 0	1 4	23 41	0 35	23 11	0 37	16 47	2 25	23 7	23 4	9 26			n.a.
F 3	23 53	3 0	5 15	21 9	0 13	17 6	0 24	17 52	0 53	23 5	0 11	19 1	1 4	23 41	0 35	23 12	0 37	16 47	2 25	23 7	23 3	9 23			n.a.
S 4	23 53	1s40	5 14	21 32	0 4	16 42	0 19	17 38	0 52	23 7	0 11	19 3	1 4	23 40	0 35	23 12	0 37	16 48	2 25	23 7	23 3	9 21			n.a.
S 5	23 53	6 19	5 0	21 54	0s 4	16 18	0 14	17 24	0 51	23 9	0 11	19 4	1 4	23 40	0 35	23 12	0 37	16 48	2 25	23 7	23 3	9 18			n.a.
M 6	23 53	10 48	4 32	22 15	0 12	15 53	0 9	17 10	0 50	23 11	0 11	19 5	1 4	23 39	0 35	23 12	0 37	16 49	2 24	23 7	23 2	9 16			n.a.
T 7	23 52	14 57	3 50	22 36	0 20	15 28	0 4	16 56	0 50	23 12	0 11	19 7	1 4	23 39	0 35	23 13	0 37	16 49	2 24	23 7	23 2	9 13			n.a.
W 8	23 50	18 32	2 56	22 56	0 28	15 3	0n 2	16 42	0 49	23 14	0 11	19 8	1 4	23 39	0 35	23 13	0 37	16 49	2 24	23 7	23 2	9 11			n.a.
T 9	23 48	21 16	1 50	23 15	0 35	14 37	0 7	16 28	0 48	23 16	0 11	19 10	1 4	23 38	0 35	23 13	0 37	16 50	2 24	23 7	23 1	9 8			n.a.
F 10	23 46	22 51	0 37	23 33	0 42	14 12	0 13	16 14	0 47	23 17	0 11	19 11	1 4	23 38	0 35	23 13	0 37	16 50	2 24	23 7	23 1	9 6			n.a.
S 11	23 43	23 2	0n41	23 50	0 49	13 46	0 19	15 59	0 46	23 19	0 12	19 12	1 4	23 38	0 35	23 13	0 37	16 51	2 24	23 7	23 1	9 3			n.a.
S 12	23 39	21 41	1 58	24 6	0 56	13 20	0 24	15 44	0 46	23 21	0 12	19 14	1 4	23 37	0 35	23 14	0 37	16 51	2 24	23 7	23 0	9 1			n.a.
M13	23 35	18 52	3 9	24 22	1 3	12 54	0 30	15 30	0 45	23 22	0 12	19 15	1 4	23 37	0 35	23 14	0 37	16 52	2 24	23 7	23 0	8 58			n.a.
T 14	23 31	14 47	4 7	24 36	1 9	12 27	0 36	15 15	0 44	23 24	0 12	19 16	1 4	23 36	0 35	23 14	0 37	16 52	2 24	23 7	22 59	8 55			n.a.
W15	23 26	9 48	4 48	24 48	1 15	12 1	0 43	15 0	0 43	23 25	0 12	19 18	1 4	23 36	0 35	23 14	0 37	16 53	2 24	23 6	22 59	8 53			n.a.
T 16	23 21	4 18	5 10	25 0	1 20	11 34	0 49	14 45	0 43	23 27	0 12	19 19	1 4	23 36	0 35	23 15	0 37	16 53	2 24	23 6	22 59	8 50			n.a.
F 17	23 16	1n21	5 12	25 10	1 26	11 7	0 55	14 29	0 42	23 28	0 12	19 20	1 4	23 35	0 35	23 15	0 37	16 53	2 24	23 6	22 58	8 48			n.a.
S 18	23 9	6 48	4 55	25 19	1 31	10 40	1 2	14 14	0 41	23 30	0 12	19 22	1 4	23 35	0 35	23 15	0 37	16 54	2 24	23 5	22 58	8 45			n.a.
S 19	23 3	11 47	4 20	25 27	1 35	10 13	1 8	13 59	0 40	23 31	0 13	19 23	1 4	23 34	0 35	23 15	0 37	16 54	2 24	23 5	22 58	8 43			n.a.
M20	22 56	16 5	3 32	25 33	1 40	9 46	1 15	13 43	0 40	23 32	0 13	19 24	1 4	23 34	0 35	23 16	0 37	16 55	2 24	23 5	22 57	8 40			n.a.
T 21	22 48	19 28	2 34	25 37	1 44	9 19	1 21	13 27	0 39	23 34	0 13	19 25	1 4	23 34	0 35	23 16	0 37	16 55	2 24	23 6	22 57	8 38			n.a.
W22	22 41	21 48	1 29	25 40	1 47	8 52	1 28	13 12	0 38	23 35	0 13	19 27	1 4	23 33	0 35	23 16	0 37	16 55	2 24	23 6	22 57	8 35			n.a.
T 23	22 32	22 59	0 20	25 41	1 51	8 25	1 35	12 56	0 37	23 36	0 13	19 28	1 4	23 33	0 35	23 16	0 37	16 56	2 24	23 6	22 56	8 33			n.a.
F 24	22 24	22 58	0s48	25 41	1 53	7 58	1 42	12 40	0 37	23 38	0 13	19 29	1 4	23 32	0 35	23 17	0 37	16 56	2 24	23 6	22 56	8 30			n.a.
S 25	22 15	21 50	1 53	25 39	1 56	7 31	1 49	12 24	0 36	23 39	0 13	19 30	1 4	23 32	0 35	23 17	0 37	16 57	2 24	23 6	22 55	8 28			n.a.
S 26	22 5	19 42	2 51	25 35	1 58	7 4	1 56	12 8	0 35	23 40	0 14	19 31	1 4	23 32	0 35	23 17	0 37	16 57	2 24	23 5	22 55	8 25			n.a.
M27	21 55	16 42	3 42	25 29	2 0	6 37	2 4	11 52	0 35	23 41	0 14	19 32	1 4	23 31	0 35	23 17	0 37	16 57	2 24	23 5	22 55	8 23			n.a.
T 28	21 45	13 3	4 22	25 21	2 1	6 11	2 11	11 36	0 34	23 43	0 14	19 33	1 4	23 31	0 35	23 18	0 37	16 58	2 24	23 4	22 54	8 20			n.a.
W29	21 34	8 55	4 50	25 12	2 2	5 44	2 18	11 20	0 33	23 44	0 14	19 34	1 4	23 30	0 35	23 18	0 37	16 58	2 23	23 3	22 54	8 18			n.a.
T 30	21 23	4 28	5 6	25 0	2 3	5 17	2 26	11 3	0 32	23 45	0 14	19 35	1 4	23 30	0 35	23 18	0 37	16 58	2 23	23 2	22 53	8 15			n.a.
F 31	21s12	0s 8	5s 8	24s47	2s 2	4s51	2n33	10s47	0s32	23s46	0s14	19s36	1n 4	23s30	0s35	23n18	0n37	16s59	2n23	23s 1	22s53	8n12			n.a.

Julian Day Number = 1103054.5, Delta T = 11h00m40s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'34, Lahiri = -27°18'34 Julian Calendar 1 Jan. 1693 BCE == Greg. Calendar 18 Dec. 1694 BCE

The year -1692 astronomical counting style corresponds to year 1693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

FEBRUARY 1693 BCE (-1692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 43 5	27♉47'29	0♎34	19♉ 4	12♓47	4♓32	20♐32	0♐37	16♉ 1	17°R42	24♏41	14°R52	13♐43	26♌52	n.a.	S 1
S 2	7 47 2	28°47'05	12°36	20°54	13°36	5°14	20°44	0°42	16° 4	17♋40	24°43	14♐48	13°40	26°59	n.a.	S 2
M 3	7 50 58	29°46'39	24°50	22°45	14°24	5°56	20°57	0°47	16° 8	17°39	24°44	14°D47	13°37	27° 6	n.a.	M 3
T 4	7 54 55	0♒46'11	7♏19	24°38	15°11	6°39	21° 9	0°52	16°11	17°37	24°45	14°47	13°34	27°12	n.a.	T 4
W 5	7 58 51	1°45'41	20° 9	26°31	15°58	7°21	21°22	0°56	16°14	17°35	24°46	14°48	13°31	27°19	n.a.	W 5
T 6	8 2 48	2°45'09	3♐23	28°26	16°43	8° 4	21°34	1° 1	16°18	17°34	24°47	14°49	13°27	27°26	n.a.	T 6
F 7	8 6 44	3°44'36	17° 5	0♒22	17°27	8°46	21°47	1° 5	16°21	17°32	24°48	14°R49	13°24	27°32	n.a.	F 7
S 8	8 10 41	4°44'00	1♑15	2°19	18°10	9°28	21°59	1°10	16°24	17°30	24°49	14°48	13°21	27°39	n.a.	S 8
S 9	8 14 38	5°43'23	15°52	4°17	18°53	10°10	22°11	1°14	16°28	17°29	24°50	14°45	13°18	27°46	n.a.	S 9
M10	8 18 34	6°42'43	0♒50	6°17	19°34	10°52	22°23	1°18	16°31	17°27	24°51	14°39	13°15	27°53	n.a.	M10
T 11	8 22 31	7°42'01	16° 1	8°17	20°14	11°34	22°35	1°23	16°34	17°26	24°52	14°32	13°12	27°59	n.a.	T 11
W12	8 26 27	8°41'17	1♓15	10°18	20°53	12°17	22°47	1°27	16°37	17°24	24°53	14°23	13° 8	28° 6	n.a.	W12
T 13	8 30 24	9°40'30	16°21	12°19	21°30	12°59	22°59	1°31	16°41	17°23	24°53	14°15	13° 5	28°13	n.a.	T 13
F 14	8 34 20	10°39'41	1♈ 9	14°22	22° 6	13°41	23°11	1°35	16°44	17°21	24°54	14° 8	13° 2	28°19	n.a.	F 14
S 15	8 38 17	11°38'49	15°35	16°24	22°41	14°22	23°22	1°38	16°47	17°20	24°55	14° 3	12°59	28°26	n.a.	S 15
S 16	8 42 13	12°37'55	29°33	18°27	23°15	15° 4	23°34	1°42	16°50	17°18	24°56	14° 1	12°56	28°33	n.a.	S 16
M17	8 46 10	13°36'59	13♉ 5	20°30	23°47	15°46	23°46	1°46	16°53	17°17	24°56	14°D 0	12°52	28°40	n.a.	M17
T 18	8 50 6	14°36'00	26°13	22°32	24°18	16°28	23°57	1°49	16°56	17°15	24°57	14° 0	12°49	28°46	n.a.	T 18
W19	8 54 3	15°34'58	9♊ 0	24°34	24°47	17°10	24° 8	1°53	17° 0	17°14	24°58	14°R 1	12°46	28°53	n.a.	W19
T 20	8 58 0	16°33'54	21°30	26°35	25°14	17°52	24°20	1°56	17° 3	17°12	24°58	14° 1	12°43	29° 0	n.a.	T 20
F 21	9 1 56	17°32'48	3♋47	28°34	25°40	18°33	24°31	2° 0	17° 6	17°11	24°59	13°59	12°40	29° 7	n.a.	F 21
S 22	9 5 53	18°31'39	15°55	0♓32	26° 4	19°15	24°42	2° 3	17° 9	17°10	25° 0	13°54	12°37	29°13	n.a.	S 22
S 23	9 9 49	19°30'28	27°55	2°28	26°26	19°57	24°53	2° 6	17°12	17° 8	25° 0	13°47	12°33	29°20	n.a.	S 23
M24	9 13 46	20°29'15	9♌52	4°21	26°46	20°38	25° 4	2° 9	17°15	17° 7	25° 1	13°37	12°30	29°27	n.a.	M24
T 25	9 17 42	21°27'59	21°46	6°11	27° 5	21°20	25°15	2°12	17°18	17° 6	25° 1	13°26	12°27	29°33	n.a.	T 25
W26	9 21 39	22°26'42	3♍38	7°59	27°21	22° 1	25°25	2°15	17°21	17° 4	25° 2	13°13	12°24	29°40	n.a.	W26
T 27	9 25 35	23°25'22	15°31	9°43	27°35	22°42	25°36	2°18	17°24	17° 3	25° 2	13° 0	12°21	29°47	n.a.	T 27
F 28	9 29 32	24°24'00	27°26	11°23	27°48	23°24	25°46	2°21	17°27	17° 2	25° 2	12°48	12°18	29°54	n.a.	F 28
S 29	9 33 28	25♒22'36	9♎24	12♓59	27♓58	24♓ 5	25♐57	2♐24	17♉30	17♋ 1	25♏ 3	12♐38	12♐14	0♍ 0	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21 s 0	4 s46	4 s58	24 s31	2 s 2	4 s25	2n41	10 s31	0 s31	23 s47	0 s14	19 s38	1n 4	23 s29	0 s35	23 n19	0 n37	16 s59	2 n23	23 s 1	22 s53	8 n10		n.a.
S 2	20 47	9 15	4 34	24 13	2 1	3 59	2 49	10 14	0 30	23 48	0 14	19 39	1 4	23 29	0 35	23 19	0 37	16 59	2 23	23 0	22 52	8 7		n.a.
M 3	20 35	13 27	3 57	23 54	1 59	3 33	2 57	9 57	0 29	23 49	0 15	19 39	1 4	23 28	0 35	23 19	0 37	17 0	2 23	23 0	22 52	8 5		n.a.
T 4	20 22	17 10	3 8	23 32	1 57	3 7	3 4	9 41	0 29	23 50	0 15	19 40	1 4	23 28	0 35	23 19	0 37	17 0	2 23	23 0	22 51	8 2		n.a.
W 5	20 9	20 11	2 9	23 7	1 55	2 42	3 12	9 24	0 28	23 51	0 15	19 41	1 4	23 28	0 35	23 19	0 37	17 0	2 23	23 0	22 51	8 0		n.a.
T 6	19 55	22 14	1 1	22 41	1 52	2 17	3 20	9 7	0 27	23 52	0 15	19 42	1 4	23 27	0 35	23 20	0 37	17 0	2 23	23 0	22 51	7 57		n.a.
F 7	19 41	23 3	0n12	22 13	1 48	1 52	3 28	8 51	0 26	23 53	0 15	19 43	1 4	23 27	0 35	23 20	0 37	17 1	2 23	23 1	22 50	7 55		n.a.
S 8	19 26	22 26	1 27	21 42	1 44	1 27	3 36	8 34	0 26	23 54	0 15	19 44	1 4	23 26	0 35	23 20	0 37	17 1	2 23	23 0	22 50	7 52		n.a.
S 9	19 12	20 18	2 39	21 9	1 39	1 3	3 44	8 17	0 25	23 55	0 15	19 45	1 4	23 26	0 35	23 20	0 37	17 1	2 23	23 0	22 49	7 50		n.a.
M10	18 57	16 45	3 41	20 34	1 34	0 39	3 53	8 0	0 24	23 56	0 16	19 46	1 4	23 26	0 35	23 21	0 37	17 1	2 23	22 59	22 49	7 47		n.a.
T 11	18 41	12 3	4 29	19 57	1 27	0 16	4 1	7 43	0 24	23 56	0 16	19 47	1 4	23 25	0 35	23 21	0 37	17 2	2 23	22 58	22 49	7 45		n.a.
W12	18 26	6 36	4 58	19 17	1 21	0n 7	4 9	7 26	0 23	23 57	0 16	19 48	1 4	23 25	0 35	23 21	0 37	17 2	2 23	22 58	22 48	7 42		n.a.
T 13	18 10	0 48	5 5	18 36	1 14	0 30	4 17	7 9	0 22	23 58	0 16	19 48	1 4	23 25	0 35	23 21	0 37	17 2	2 23	22 57	22 48	7 40		n.a.
F 14	17 53	4n55	4 52	17 53	1 6	0 52	4 25	6 52	0 22	23 59	0 16	19 49	1 4	23 24	0 35	23 21	0 37	17 2	2 23	22 56	22 47	7 37		n.a.
S 15	17 37	10 14	4 21	17 8	0 57	1 13	4 34	6 35	0 21	24 0	0 16	19 50	1 4	23 24	0 35	23 22	0 37	17 3	2 23	22 55	22 47	7 34		n.a.
S 16	17 20	14 51	3 35	16 21	0 48	1 34	4 42	6 18	0 20	24 0	0 17	19 51	1 4	23 23	0 35	23 22	0 37	17 3	2 23	22 55	22 47	7 32		n.a.
M17	17 3	18 33	2 38	15 33	0 39	1 55	4 50	6 1	0 19	24 1	0 17	19 51	1 4	23 23	0 35	23 22	0 37	17 3	2 23	22 55	22 46	7 29		n.a.
T 18	16 46	21 11	1 34	14 43	0 29	2 15	4 58	5 43	0 19	24 2	0 17	19 52	1 4	23 23	0 35	23 22	0 37	17 3	2 23	22 55	22 46	7 27		n.a.
W19	16 28	22 39	0 27	13 52	0 18	2 34	5 7	5 26	0 18	24 2	0 17	19 53	1 4	23 22	0 35	23 22	0 37	17 3	2 23	22 55	22 45	7 24		n.a.
T 20	16 10	22 57	0 s40	13 0	0 7	2 52	5 15	5 9	0 17	24 3	0 17	19 53	1 4	23 22	0 35	23 23	0 37	17 4	2 23	22 55	22 45	7 22		n.a.
F 21	15 52	22 7	1 43	12 8	0n 4	3 10	5 23	4 52	0 17	24 4	0 17	19 54	1 4	23 21	0 35	23 23	0 37	17 4	2 23	22 55	22 45	7 19		n.a.
S 22	15 33	20 15	2 41	11 15	0 15	3 27	5 31	4 35	0 16	24 4	0 17	19 55	1 4	23 21	0 35	23 23	0 37	17 4	2 23	22 54	22 44	7 17		n.a.
S 23	15 15	17 31	3 31	10 22	0 27	3 43	5 39	4 17	0 15	24 5	0 18	19 55	1 4	23 21	0 35	23 23	0 37	17 4	2 23	22 53	22 44	7 14		n.a.
M24	14 56	14 5	4 11	9 29	0 39	3 59	5 47	4 0	0 15	24 6	0 18	19 56	1 4	23 20	0 35	23 23	0 37	17 4	2 23	22 52	22 43	7 12		n.a.
T 25	14 37	10 6	4 40	8 37	0 51	4 13	5 54	3 43	0 14	24 6	0 18	19 57	1 4	23 20	0 35	23 23	0 37	17 4	2 23	22 50	22 43	7 9		n.a.
W26	14 17	5 45	4 57	7 45	1 3	4 27	6 2	3 26	0 13	24 7	0 18	19 57	1 4	23 20	0 35	23 24	0 37	17 5	2 23	22 49	22 42	7 6		n.a.
T 27	13 58	1 12	5 1	6 55	1 15	4 39	6 10	3 8	0 13	24 7	0 18	19 58	1 5	23 19	0 35	23 24	0 37	17 5	2 23	22 47	22 42	7 4		n.a.
F 28	13 38	3 s24	4 52	6 5	1 27	4 51	6 17	2 51	0 12	24 8	0 18	19 58	1 5	23 19	0 35	23 24	0 37	17 5	2 23	22 46	22 42	7 1		n.a.
S 29	13 s18	7 s55	4 s30	5 s17	1n39	5n 2	6n24	2 s34	0 s11	24 s 8	0 s19	19 s59	1n 5	23 s18	0 s35	23 n24	0 n37	17 s 5	2 n23	22 s44	22 s41	6 n59		n.a.

Julian Day Number = 1103085.5, Delta T = 11h00m38s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'30, Lahiri = -27°18'30 Julian Calendar 1 Feb. 1693 BCE == Greg. Calendar 18 Jan. 1693 BCE

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

MARCH 1693 BCE (-1692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 37 25	26♒21'10	21♎29	14♓31	28♓ 6	24♓47	26♐ 7	2♐26	17♉32	16°R59	25♏ 3	12°R30	12♐11	0♍ 7	n.a.	S 1
M 2	9 41 22	27°19'42	3♏44	15°58	28°11	25°28	26°17	2°29	17°35	16♋58	25° 3	12♐26	12° 8	0°14	n.a.	M 2
T 3	9 45 18	28°18'13	16°11	17°20	28°14	26° 9	26°27	2°31	17°38	16°57	25° 4	12°23	12° 5	0°20	n.a.	T 3
W 4	9 49 15	29°16'42	28°57	18°37	28°R15	26°50	26°37	2°33	17°41	16°56	25° 4	12°D23	12° 2	0°27	n.a.	W 4
T 5	9 53 11	0♓15'09	12♐ 5	19°49	28°14	27°31	26°47	2°36	17°44	16°55	25° 4	12°R23	11°58	0°34	n.a.	T 5
F 6	9 57 8	1°13'34	25°39	20°56	28°10	28°13	26°57	2°38	17°46	16°54	25° 4	12°23	11°55	0°41	n.a.	F 6
S 7	10 1 4	2°11'58	9♉40	21°58	28° 4	28°54	27° 6	2°40	17°49	16°53	25° 4	12°20	11°52	0°47	n.a.	S 7
S 8	10 5 1	3°10'20	24°10	22°54	27°55	29°35	27°16	2°42	17°52	16°51	25° 5	12°16	11°49	0°54	n.a.	S 8
M 9	10 8 57	4° 8'40	9♒ 5	23°44	27°44	0♈16	27°25	2°43	17°54	16°50	25° 5	12° 8	11°46	1° 1	n.a.	M 9
T 10	10 12 54	5° 6'58	24°17	24°29	27°30	0°57	27°35	2°45	17°57	16°49	25° 5	11°59	11°43	1° 7	n.a.	T 10
W11	10 16 51	6° 5'14	9♓37	25° 7	27°14	1°38	27°44	2°47	17°59	16°48	25°R 5	11°48	11°39	1°14	n.a.	W11
T 12	10 20 47	7° 3'28	24°53	25°41	26°56	2°19	27°53	2°48	18° 2	16°48	25° 5	11°37	11°36	1°21	n.a.	T 12
F 13	10 24 44	8° 1'40	9♈53	26° 8	26°35	2°59	28° 2	2°50	18° 4	16°47	25° 5	11°28	11°33	1°28	n.a.	F 13
S 14	10 28 40	8°59'50	24°31	26°30	26°12	3°40	28°11	2°51	18° 7	16°46	25° 5	11°20	11°30	1°34	n.a.	S 14
S 15	10 32 37	9°57'58	8♉40	26°45	25°47	4°21	28°19	2°52	18° 9	16°45	25° 5	11°15	11°27	1°41	n.a.	S 15
M16	10 36 33	10°56'04	22°19	26°56	25°20	5° 2	28°28	2°54	18°12	16°44	25° 4	11°13	11°23	1°48	n.a.	M16
T 17	10 40 30	11°54'08	5♊31	27°R 0	24°50	5°43	28°36	2°55	18°14	16°43	25° 4	11°13	11°20	1°55	n.a.	T 17
W18	10 44 26	12°52'10	18°18	26°59	24°19	6°23	28°44	2°56	18°16	16°42	25° 4	11°12	11°17	2° 1	n.a.	W18
T 19	10 48 23	13°50'10	0♋46	26°53	23°47	7° 4	28°52	2°56	18°19	16°42	25° 4	11°12	11°14	2° 8	n.a.	T 19
F 20	10 52 19	14°48'07	12°58	26°42	23°13	7°44	29° 0	2°57	18°21	16°41	25° 4	11° 9	11°11	2°15	n.a.	F 20
S 21	10 56 16	15°46'03	25° 0	26°26	22°37	8°25	29° 8	2°58	18°23	16°40	25° 3	11° 5	11° 8	2°21	n.a.	S 21
S 22	11 0 13	16°43'56	6♌55	26° 5	22° 1	9° 6	29°16	2°58	18°25	16°40	25° 3	10°57	11° 4	2°28	n.a.	S 22
M23	11 4 9	17°41'48	18°48	25°41	21°23	9°46	29°24	2°59	18°27	16°39	25° 3	10°47	11° 1	2°35	n.a.	M23
T 24	11 8 6	18°39'38	0♍39	25°13	20°46	10°26	29°31	2°59	18°30	16°38	25° 2	10°34	10°58	2°42	n.a.	T 24
W25	11 12 2	19°37'26	12°32	24°42	20° 7	11° 7	29°38	3° 0	18°32	16°38	25° 2	10°21	10°55	2°48	n.a.	W25
T 26	11 15 59	20°35'12	24°28	24° 9	19°29	11°47	29°45	3° 0	18°34	16°37	25° 2	10° 7	10°52	2°55	n.a.	T 26
F 27	11 19 55	21°32'57	6♎29	23°34	18°51	12°28	29°52	3°R 0	18°36	16°37	25° 1	9°55	10°49	3° 2	n.a.	F 27
S 28	11 23 52	22°30'40	18°34	22°57	18°14	13° 8	29°59	3° 0	18°38	16°36	25° 1	9°44	10°45	3° 8	n.a.	S 28
S 29	11 27 48	23°28'22	0♏47	22°21	17°37	13°48	0♉ 6	3° 0	18°39	16°36	25° 0	9°36	10°42	3°15	n.a.	S 29
M30	11 31 45	24°26'02	13° 9	21°44	17° 1	14°28	0°12	3° 0	18°41	16°35	25° 0	9°31	10°39	3°22	n.a.	M30
T 31	11 35 41	25♓23'41	25♏43	21♓ 8	16♓26	15♈ 9	0♉19	2♐59	18♉43	16♋35	24♏59	9♐28	10♐36	3♍29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	12s58	12s 9	3s55	4s31	1n50	5n11	6n31	2s16	0s11	24s 9	0s19	19s59	1n 5	23s18	0s35	23n24	0n37	17s 5	2n23	22s43	22s41	6n56			n.a.
M 2	12 38	15 57	3 10	3 47	2 1	5 19	6 38	1 59	0 10	24 9	0 19	20 0	1 5	23 18	0 35	23 24	0 37	17 5	2 23	22 43	22 40	6 54			n.a.
T 3	12 17	19 8	2 14	3 5	2 11	5 27	6 44	1 42	0 9	24 10	0 19	20 0	1 5	23 17	0 35	23 25	0 37	17 5	2 23	22 42	22 40	6 51			n.a.
W 4	11 56	21 27	1 11	2 25	2 21	5 33	6 50	1 25	0 9	24 10	0 19	20 0	1 5	23 17	0 36	23 25	0 37	17 5	2 23	22 42	22 40	6 49			n.a.
T 5	11 36	22 42	0 2	1 48	2 30	5 37	6 56	1 7	0 8	24 11	0 19	20 1	1 5	23 17	0 36	23 25	0 37	17 5	2 23	22 42	22 39	6 46			n.a.
F 6	11 14	22 39	1n10	1 14	2 39	5 41	7 1	0 50	0 7	24 11	0 20	20 1	1 5	23 16	0 36	23 25	0 37	17 5	2 23	22 42	22 39	6 44			n.a.
S 7	10 53	21 13	2 19	0 42	2 47	5 43	7 6	0 33	0 7	24 11	0 20	20 2	1 5	23 16	0 36	23 25	0 37	17 5	2 22	22 42	22 38	6 41			n.a.
S 8	10 32	18 23	3 22	0 14	2 53	5 43	7 11	0 16	0 6	24 12	0 20	20 2	1 5	23 16	0 36	23 25	0 37	17 6	2 22	22 41	22 38	6 39			n.a.
M 9	10 10	14 16	4 12	0n12	3 0	5 43	7 15	0n 2	0 5	24 12	0 20	20 2	1 5	23 15	0 36	23 25	0 37	17 6	2 22	22 40	22 37	6 36			n.a.
T 10	9 49	9 11	4 46	0 35	3 5	5 40	7 19	0 19	0 5	24 12	0 20	20 3	1 5	23 15	0 36	23 25	0 37	17 6	2 22	22 39	22 37	6 33			n.a.
W11	9 27	3 29	5 0	0 54	3 9	5 37	7 22	0 36	0 4	24 13	0 21	20 3	1 5	23 15	0 36	23 26	0 37	17 6	2 22	22 38	22 36	6 31			n.a.
T 12	9 5	2n23	4 52	1 10	3 12	5 31	7 24	0 53	0 3	24 13	0 21	20 3	1 5	23 14	0 36	23 26	0 37	17 6	2 22	22 36	22 36	6 28			n.a.
F 13	8 43	8 2	4 25	1 23	3 14	5 25	7 26	1 10	0 3	24 13	0 21	20 3	1 5	23 14	0 36	23 26	0 37	17 6	2 22	22 35	22 36	6 26			n.a.
S 14	8 21	13 4	3 40	1 33	3 14	5 17	7 27	1 27	0 2	24 14	0 21	20 4	1 5	23 14	0 36	23 26	0 37	17 6	2 22	22 34	22 35	6 23			n.a.
S 15	7 58	17 13	2 43	1 39	3 14	5 7	7 27	1 44	0 1	24 14	0 21	20 4	1 5	23 13	0 36	23 26	0 37	17 6	2 22	22 33	22 35	6 21			n.a.
M16	7 36	20 16	1 38	1 41	3 12	4 56	7 27	2 1	0 1	24 14	0 21	20 4	1 5	23 13	0 36	23 26	0 37	17 6	2 22	22 33	22 34	6 18			n.a.
T 17	7 14	22 7	0 30	1 40	3 9	4 43	7 26	2 18	0 0	24 15	0 22	20 4	1 5	23 13	0 36	23 26	0 37	17 6	2 22	22 33	22 34	6 16			n.a.
W18	6 51	22 45	0s37	1 36	3 5	4 29	7 24	2 35	0n 0	24 15	0 22	20 4	1 5	23 13	0 36	23 26	0 37	17 6	2 22	22 33	22 33	6 13			n.a.
T 19	6 28	22 12	1 41	1 28	2 59	4 13	7 22	2 52	0 1	24 15	0 22	20 5	1 5	23 12	0 36	23 26	0 37	17 6	2 22	22 33	22 33	6 11			n.a.
F 20	6 6	20 36	2 39	1 17	2 52	3 57	7 18	3 9	0 2	24 15	0 22	20 5	1 5	23 12	0 36	23 27	0 37	17 6	2 22	22 32	22 32	6 8			n.a.
S 21	5 43	18 6	3 29	1 3	2 44	3 39	7 14	3 26	0 2	24 16	0 22	20 5	1 5	23 12	0 36	23 27	0 37	17 6	2 22	22 32	22 32	6 5			n.a.
S 22	5 20	14 52	4 9	0 46	2 34	3 19	7 9	3 43	0 3	24 16	0 23	20 5	1 5	23 11	0 36	23 27	0 37	17 6	2 22	22 31	22 32	6 3			n.a.
M23	4 57	11 4	4 38	0 27	2 24	2 59	7 3	4 0	0 4	24 16	0 23	20 5	1 5	23 11	0 36	23 27	0 37	17 5	2 22	22 29	22 31	6 0			n.a.
T 24	4 34	6 51	4 55	0 4	2 12	2 38	6 56	4 16	0 4	24 16	0 23	20 5	1 5	23 11	0 36	23 27	0 37	17 5	2 22	22 27	22 31	5 58			n.a.
W25	4 11	2 23	5 0	0s20	1 59	2 16	6 49	4 33	0 5	24 17	0 23	20 5	1 5	23 11	0 36	23 27	0 37	17 5	2 22	22 25	22 30	5 55			n.a.
T 26	3 48	2s12	4 51	0 46	1 45	1 53	6 41	4 50	0 5	24 17	0 23	20 5	1 5	23 10	0 36	23 27	0 37	17 5	2 22	22 23	22 30	5 53			n.a.
F 27	3 25	6 43	4 29	1 14	1 30	1 30	6 32	5 6	0 6	24 17	0 24	20 5	1 5	23 10	0 36	23 27	0 37	17 5	2 22	22 21	22 29	5 50			n.a.
S 28	3 2	11 1	3 55	1 43	1 14	1 6	6 22	5 23	0 7	24 17	0 24	20 5	1 5	23 10	0 36	23 27	0 37	17 5	2 22	22 20	22 29	5 48			n.a.
S 29	2 38	14 55	3 9	2 12	0 58	0 42	6 12	5 39	0 7	24 17	0 24	20 5	1 5	23 10	0 36	23 27	0 37	17 5	2 22	22 18	22 28	5 45			n.a.
M30	2 15	18 13	2 15	2 42	0 42	0 18	6 1	5 56	0 8	24 18	0 24	20 5	1 5	23 9	0 36	23 27	0 37	17 5	2 22	22 18	22 28	5 43			n.a.
T 31	1s52	20s43	1s12	3s12	0n25	0s 6	5n49	6n12	0n 8	24s18	0s24	20s 5	1n 6	23s 9	0s36	23n27	0n37	17s 5	2n22	22s17	22s27	5n40			n.a.

Julian Day Number = 1103114.5, Delta T = 11h00m37s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'26, Lahiri = -27°18'26 Julian Calendar 1 March 1693 BCE == Greg. Calendar 16 Feb. 1693 BCE

The year -1692 astronomical counting style corresponds to year 1693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

APRIL 1693 BCE (-1692) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 39 38	26♓21'19	8♐31	20°R34	15°R52	15♈49	0♑25	2°R59	18♑45	16°R35	24°R59	9°D27	10♐33	3♍35	n.a.	W 1
T 2	11 43 35	27°18'56	21°39	20♓ 1	15♓20	16°29	0°31	2♐58	18°47	16♋34	24♏58	9°R27	10°29	3°42	n.a.	T 2
F 3	11 47 31	28°16'32	5♑ 7	19°31	14°50	17° 9	0°37	2°58	18°48	16°34	24°57	9♐27	10°26	3°49	n.a.	F 3
S 4	11 51 28	29°14'06	19° 0	19° 4	14°21	17°49	0°43	2°57	18°50	16°34	24°57	9°26	10°23	3°56	n.a.	S 4
S 5	11 55 24	0♈11'40	3♒18	18°40	13°55	18°29	0°48	2°56	18°52	16°33	24°56	9°22	10°20	4° 2	n.a.	S 5
M 6	11 59 21	1° 9'12	17°58	18°20	13°31	19° 9	0°54	2°55	18°53	16°33	24°55	9°16	10°17	4° 9	n.a.	M 6
T 7	12 3 17	2° 6'43	2♓57	18° 4	13° 8	19°49	0°59	2°55	18°55	16°33	24°54	9° 8	10°14	4°16	n.a.	T 7
W 8	12 7 14	3° 4'13	18° 5	17°52	12°48	20°29	1° 4	2°53	18°56	16°33	24°54	8°59	10°10	4°22	n.a.	W 8
T 9	12 11 10	4° 1'42	3♈14	17°44	12°31	21° 9	1° 9	2°52	18°58	16°33	24°53	8°49	10° 7	4°29	n.a.	T 9
F 10	12 15 7	4°59'09	18°12	17°D41	12°16	21°49	1°14	2°51	18°59	16°33	24°52	8°41	10° 4	4°36	n.a.	F 10
S 11	12 19 4	5°56'35	2♉50	17°42	12° 3	22°29	1°19	2°50	19° 0	16°33	24°51	8°34	10° 1	4°43	n.a.	S 11
S 12	12 23 0	6°54'00	17° 4	17°48	11°52	23° 9	1°23	2°48	19° 2	16°D33	24°50	8°30	9°58	4°49	n.a.	S 12
M13	12 26 57	7°51'24	0♊49	17°58	11°44	23°49	1°27	2°47	19° 3	16°33	24°50	8°28	9°54	4°56	n.a.	M13
T 14	12 30 53	8°48'46	14° 6	18°13	11°39	24°28	1°31	2°45	19° 4	16°33	24°49	8°D28	9°51	5° 3	n.a.	T 14
W15	12 34 50	9°46'07	26°57	18°32	11°36	25° 8	1°35	2°43	19° 5	16°33	24°48	8°29	9°48	5°10	n.a.	W15
T 16	12 38 46	10°43'27	9♋27	18°56	11°D35	25°48	1°39	2°42	19° 6	16°33	24°47	8°R30	9°45	5°16	n.a.	T 16
F 17	12 42 43	11°40'45	21°41	19°24	11°36	26°27	1°43	2°40	19° 7	16°33	24°46	8°29	9°42	5°23	n.a.	F 17
S 18	12 46 39	12°38'02	3♌43	19°56	11°40	27° 7	1°46	2°38	19° 8	16°33	24°45	8°27	9°39	5°30	n.a.	S 18
S 19	12 50 36	13°35'18	15°38	20°32	11°46	27°47	1°49	2°36	19° 9	16°34	24°44	8°22	9°35	5°36	n.a.	S 19
M20	12 54 33	14°32'32	27°29	21°12	11°54	28°26	1°52	2°34	19°10	16°34	24°43	8°15	9°32	5°43	n.a.	M20
T 21	12 58 29	15°29'46	9♍22	21°56	12° 4	29° 6	1°55	2°31	19°11	16°34	24°42	8° 7	9°29	5°50	n.a.	T 21
W22	13 2 26	16°26'58	21°17	22°44	12°17	29°45	1°58	2°29	19°12	16°34	24°41	7°58	9°26	5°57	n.a.	W22
T 23	13 6 22	17°24'10	3♎19	23°35	12°31	0♉25	2° 0	2°27	19°13	16°35	24°40	7°48	9°23	6° 3	n.a.	T 23
F 24	13 10 19	18°21'20	15°27	24°31	12°47	1° 4	2° 3	2°24	19°13	16°35	24°38	7°40	9°20	6°10	n.a.	F 24
S 25	13 14 15	19°18'30	27°44	25°29	13° 5	1°44	2° 5	2°22	19°14	16°36	24°37	7°32	9°16	6°17	n.a.	S 25
S 26	13 18 12	20°15'39	10♏10	26°31	13°25	2°23	2° 7	2°19	19°15	16°36	24°36	7°27	9°13	6°23	n.a.	S 26
M27	13 22 8	21°12'48	22°46	27°37	13°47	3° 3	2° 8	2°16	19°15	16°37	24°35	7°24	9°10	6°30	n.a.	M27
T 28	13 26 5	22° 9'56	5♐34	28°45	14°11	3°42	2°10	2°14	19°16	16°37	24°34	7°D23	9° 7	6°37	n.a.	T 28
W29	13 30 2	23° 7'04	18°35	29°57	14°36	4°21	2°11	2°11	19°16	16°38	24°33	7°23	9° 4	6°44	n.a.	W29
T 30	13 33 58	24♈ 4'11	1♑51	1♈12	15♓ 3	5♉ 1	2♑12	2♐ 8	19♑17	16♋38	24♏31	7♐25	9♐ 0	6♍50	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1s29	22s13	0s 5	3s41	0n 8	0s30	5n38	6n28	0n 9	24s18	0s25	20s 5	1n 6	23s 9	0s36	23n27	0n37	17s 5	2n22	22s17	22s27	5n38		n.a.
T 2	1 5	22 33	1n 4	4 9	0s 8	0 54	5 25	6 45	0 10	24 18	0 25	20 5	1 6	23 9	0 36	23 27	0 37	17 5	2 22	22 17	22 27	5 35		n.a.
F 3	0 42	21 36	2 12	4 36	0 25	1 18	5 12	7 1	0 10	24 18	0 25	20 4	1 6	23 9	0 36	23 27	0 37	17 4	2 22	22 17	22 26	5 32		n.a.
S 4	0 19	19 19	3 14	5 2	0 41	1 41	4 59	7 17	0 11	24 19	0 25	20 4	1 6	23 8	0 36	23 27	0 37	17 4	2 22	22 17	22 26	5 30		n.a.
S 5	0n 5	15 49	4 5	5 26	0 57	2 3	4 46	7 33	0 11	24 19	0 25	20 4	1 6	23 8	0 36	23 27	0 37	17 4	2 22	22 16	22 25	5 27		n.a.
M 6	0 28	11 15	4 42	5 48	1 12	2 25	4 33	7 49	0 12	24 19	0 26	20 4	1 6	23 8	0 37	23 27	0 37	17 4	2 22	22 16	22 25	5 25		n.a.
T 7	0 51	5 57	5 1	6 8	1 26	2 46	4 19	8 5	0 12	24 19	0 26	20 4	1 6	23 8	0 37	23 27	0 37	17 4	2 22	22 14	22 24	5 22		n.a.
W 8	1 15	0 13	4 59	6 25	1 40	3 6	4 5	8 21	0 13	24 19	0 26	20 3	1 6	23 8	0 37	23 27	0 37	17 4	2 21	22 13	22 24	5 20		n.a.
T 9	1 38	5n31	4 36	6 40	1 53	3 26	3 52	8 37	0 14	24 20	0 26	20 3	1 6	23 8	0 37	23 27	0 37	17 4	2 21	22 11	22 23	5 17		n.a.
F 10	2 1	10 52	3 54	6 52	2 5	3 44	3 38	8 53	0 14	24 20	0 27	20 3	1 6	23 7	0 37	23 27	0 37	17 4	2 21	22 10	22 23	5 15		n.a.
S 11	2 24	15 28	2 58	7 2	2 16	4 2	3 24	9 8	0 15	24 20	0 27	20 3	1 6	23 7	0 37	23 27	0 37	17 3	2 21	22 9	22 22	5 12		n.a.
S 12	2 47	19 2	1 52	7 9	2 26	4 18	3 11	9 24	0 15	24 20	0 27	20 2	1 6	23 7	0 37	23 27	0 37	17 3	2 21	22 8	22 22	5 10		n.a.
M13	3 10	21 22	0 41	7 13	2 35	4 34	2 57	9 39	0 16	24 20	0 27	20 2	1 6	23 7	0 37	23 27	0 37	17 3	2 21	22 8	22 21	5 7		n.a.
T 14	3 33	22 26	0s30	7 15	2 44	4 48	2 44	9 55	0 16	24 20	0 27	20 2	1 6	23 7	0 37	23 27	0 37	17 3	2 21	22 8	22 21	5 5		n.a.
W15	3 56	22 14	1 37	7 14	2 51	5 2	2 31	10 10	0 17	24 21	0 28	20 1	1 6	23 7	0 37	23 27	0 37	17 3	2 21	22 8	22 20	5 2		n.a.
T 16	4 19	20 55	2 38	7 10	2 57	5 14	2 18	10 25	0 18	24 21	0 28	20 1	1 6	23 7	0 37	23 27	0 37	17 2	2 21	22 8	22 20	4 59		n.a.
F 17	4 42	18 39	3 30	7 4	3 3	5 25	2 5	10 41	0 18	24 21	0 28	20 1	1 6	23 6	0 37	23 27	0 37	17 2	2 21	22 8	22 19	4 57		n.a.
S 18	5 5	15 37	4 12	6 55	3 7	5 35	1 53	10 56	0 19	24 21	0 28	20 0	1 6	23 6	0 37	23 27	0 37	17 2	2 21	22 8	22 19	4 54		n.a.
S 19	5 28	11 58	4 42	6 44	3 11	5 44	1 40	11 11	0 19	24 21	0 29	20 0	1 6	23 6	0 37	23 27	0 37	17 2	2 21	22 7	22 18	4 52		n.a.
M20	5 50	7 53	5 0	6 30	3 13	5 52	1 28	11 26	0 20	24 21	0 29	19 59	1 6	23 6	0 37	23 27	0 37	17 2	2 21	22 6	22 18	4 49		n.a.
T 21	6 13	3 30	5 6	6 14	3 15	5 59	1 17	11 40	0 20	24 22	0 29	19 59	1 6	23 6	0 37	23 27	0 37	17 1	2 21	22 5	22 17	4 47		n.a.
W22	6 35	1s 2	4 58	5 55	3 16	6 5	1 5	11 55	0 21	24 22	0 29	19 58	1 6	23 6	0 37	23 27	0 37	17 1	2 21	22 3	22 17	4 44		n.a.
T 23	6 57	5 33	4 36	5 35	3 16	6 9	0 54	12 10	0 21	24 22	0 30	19 58	1 6	23 6	0 37	23 27	0 37	17 1	2 21	22 1	22 16	4 42		n.a.
F 24	7 20	9 54	4 2	5 12	3 15	6 13	0 43	12 24	0 22	24 22	0 30	19 58	1 6	23 6	0 37	23 27	0 37	17 1	2 21	22 0	22 16	4 39		n.a.
S 25	7 42	13 55	3 17	4 47	3 14	6 16	0 33	12 39	0 22	24 22	0 30	19 57	1 6	23 6	0 37	23 27	0 37	17 1	2 21	21 59	22 16	4 37		n.a.
S 26	8 4	17 22	2 21	4 20	3 12	6 17	0 23	12 53	0 23	24 23	0 30	19 56	1 6	23 6	0 37	23 27	0 37	17 0	2 21	21 58	22 15	4 34		n.a.
M27	8 26	20 4	1 18	3 51	3 9	6 18	0 13	13 8	0 24	24 23	0 30	19 56	1 6	23 6	0 37	23 27	0 37	17 0	2 21	21 57	22 15	4 32		n.a.
T 28	8 47	21 48	0 10	3 19	3 5	6 17	0 3	13 22	0 24	24 23	0 31	19 55	1 6	23 6	0 37	23 27	0 37	17 0	2 20	21 57	22 14	4 29		n.a.
W29	9 9	22 23	1n 0	2 46	3 1	6 16	0s 6	13 36	0 25	24 23	0 31	19 55	1 6	23 6	0 37	23 27	0 37	17 0	2 20	21 57	22 14	4 26		n.a.
T 30	9n30	21s44	2n 9	2s11	2s56	6s14	0s15	13n50	0n25	24s24	0s31	19s54	1n 6	23s 5	0s37	23n27	0n37	16s59	2n20	21s57	22s13	4n24		n.a.

Julian Day Number = 1103145.5, Delta T = 11h00m35s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'22, Lahiri = -27°18'22 Julian Calendar 1 Apr. 1693 BCE == Greg. Calendar 18 March 1693 BCE

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

MAY 1693 BCE (-1692) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 37 55	25♈ 1'18	15♉24	2♈31	15♓31	5♉40	2♉13	2°R 5	19♉17	16♋39	24°R30	7♐26	8♐57	6♍57	n.a.	F 1
S 2	13 41 51	25°58'25	29°14	3°52	16° 1	6°19	2°14	2♐ 2	19°18	16°39	24♏29	7°R26	8°54	7° 4	n.a.	S 2
S 3	13 45 48	26°55'31	13♒23	5°17	16°32	6°58	2°15	1°59	19°18	16°40	24°28	7°25	8°51	7°11	n.a.	S 3
M 4	13 49 44	27°52'38	27°48	6°44	17° 5	7°38	2°15	1°55	19°18	16°41	24°26	7°22	8°48	7°17	n.a.	M 4
T 5	13 53 41	28°49'44	12♓27	8°15	17°39	8°17	2°15	1°52	19°18	16°41	24°25	7°18	8°45	7°24	n.a.	T 5
W 6	13 57 37	29°46'50	27°13	9°48	18°14	8°56	2°R15	1°49	19°19	16°42	24°24	7°13	8°41	7°31	n.a.	W 6
T 7	14 1 34	0♉43'55	12♈ 0	11°25	18°51	9°35	2°15	1°45	19°19	16°43	24°22	7° 7	8°38	7°37	n.a.	T 7
F 8	14 5 31	1°41'01	26°41	13° 4	19°28	10°14	2°15	1°42	19°19	16°44	24°21	7° 3	8°35	7°44	n.a.	F 8
S 9	14 9 27	2°38'06	11♉ 6	14°47	20° 7	10°53	2°14	1°38	19°R19	16°45	24°20	6°59	8°32	7°51	n.a.	S 9
S 10	14 13 24	3°35'11	25°12	16°32	20°47	11°32	2°14	1°35	19°19	16°46	24°18	6°57	8°29	7°58	n.a.	S 10
M11	14 17 20	4°32'16	8♊54	18°20	21°28	12°12	2°13	1°31	19°19	16°46	24°17	6°D56	8°26	8° 4	n.a.	M11
T 12	14 21 17	5°29'20	22°11	20°10	22°10	12°51	2°11	1°27	19°18	16°47	24°16	6°57	8°22	8°11	n.a.	T 12
W13	14 25 13	6°26'24	5♋ 5	22° 4	22°53	13°30	2°10	1°24	19°18	16°48	24°14	6°59	8°19	8°18	n.a.	W13
T 14	14 29 10	7°23'28	17°39	23°59	23°36	14° 9	2° 9	1°20	19°18	16°49	24°13	7° 0	8°16	8°25	n.a.	T 14
F 15	14 33 7	8°20'31	29°55	25°58	24°21	14°48	2° 7	1°16	19°18	16°50	24°11	7° 1	8°13	8°31	n.a.	F 15
S 16	14 37 3	9°17'34	11♌59	27°58	25° 6	15°27	2° 5	1°12	19°17	16°51	24°10	7°R 2	8°10	8°38	n.a.	S 16
S 17	14 41 0	10°14'36	23°55	0♉ 0	25°53	16° 5	2° 3	1° 8	19°17	16°53	24° 8	7° 1	8° 6	8°45	n.a.	S 17
M18	14 44 56	11°11'39	5♍48	2° 5	26°40	16°44	2° 1	1° 4	19°17	16°54	24° 7	6°59	8° 3	8°51	n.a.	M18
T 19	14 48 53	12° 8'41	17°42	4°11	27°28	17°23	1°58	1° 0	19°16	16°55	24° 6	6°56	8° 0	8°58	n.a.	T 19
W20	14 52 49	13° 5'43	29°41	6°18	28°16	18° 2	1°56	0°56	19°16	16°56	24° 4	6°52	7°57	9° 5	n.a.	W20
T 21	14 56 46	14° 2'45	11♎48	8°26	29° 6	18°41	1°53	0°52	19°15	16°57	24° 3	6°49	7°54	9°12	n.a.	T 21
F 22	15 0 42	14°59'46	24° 5	10°35	29°56	19°20	1°50	0°48	19°14	16°58	24° 1	6°45	7°51	9°18	n.a.	F 22
S 23	15 4 39	15°56'48	6♏35	12°45	0♈46	19°59	1°47	0°44	19°14	17° 0	24° 0	6°42	7°47	9°25	n.a.	S 23
S 24	15 8 36	16°53'51	19°17	14°55	1°38	20°37	1°43	0°39	19°13	17° 1	23°58	6°41	7°44	9°32	n.a.	S 24
M25	15 12 32	17°50'53	2♐12	17° 5	2°30	21°16	1°40	0°35	19°12	17° 2	23°57	6°D40	7°41	9°38	n.a.	M25
T 26	15 16 29	18°47'56	15°22	19°14	3°22	21°55	1°36	0°31	19°12	17° 4	23°55	6°40	7°38	9°45	n.a.	T 26
W27	15 20 25	19°45'00	28°44	21°23	4°15	22°34	1°32	0°27	19°11	17° 5	23°54	6°41	7°35	9°52	n.a.	W27
T 28	15 24 22	20°42'04	12♑19	23°31	5° 9	23°12	1°28	0°22	19°10	17° 6	23°52	6°42	7°31	9°59	n.a.	T 28
F 29	15 28 18	21°39'08	26° 6	25°38	6° 3	23°51	1°24	0°18	19° 9	17° 8	23°51	6°43	7°28	10° 5	n.a.	F 29
S 30	15 32 15	22°36'13	10♒ 3	27°44	6°58	24°30	1°19	0°14	19° 8	17° 9	23°49	6°44	7°25	10°12	n.a.	S 30
S 31	15 36 12	23♉33'19	24♒11	29♉49	7♈53	25♉ 8	1♑15	0♐ 9	19♑ 7	17♋11	23♏48	6°R44	7♐22	10♍19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9n52	19s49	3n11	1s34	2s50	6s11	0s24	14n 4	0n26	24s24	0s31	19s54	1n 6	23s 5	0s37	23n26	0n37	16s59	2n20	21s58	22s13	4n21		n.a.
S 2	10 13	16 43	4 4	0 56	2 44	6 7	0 32	14 17	0 26	24 24	0 32	19 53	1 6	23 5	0 37	23 26	0 37	16 59	2 20	21 58	22 12	4 19		n.a.
S 3	10 34	12 36	4 43	0 15	2 37	6 2	0 40	14 31	0 27	24 24	0 32	19 52	1 6	23 5	0 37	23 26	0 37	16 59	2 20	21 58	22 12	4 16		n.a.
M 4	10 55	7 41	5 6	0n27	2 29	5 56	0 48	14 45	0 27	24 24	0 32	19 52	1 6	23 5	0 38	23 26	0 37	16 58	2 20	21 57	22 11	4 14		n.a.
T 5	11 16	2 16	5 9	1 10	2 22	5 49	0 56	14 58	0 28	24 25	0 32	19 51	1 6	23 5	0 38	23 26	0 37	16 58	2 20	21 56	22 11	4 11		n.a.
W 6	11 36	3n19	4 52	1 55	2 13	5 42	1 3	15 11	0 28	24 25	0 33	19 50	1 6	23 5	0 38	23 26	0 37	16 58	2 20	21 55	22 10	4 9		n.a.
T 7	11 57	8 44	4 15	2 42	2 4	5 34	1 10	15 25	0 29	24 25	0 33	19 50	1 6	23 5	0 38	23 26	0 37	16 58	2 20	21 55	22 10	4 6		n.a.
F 8	12 17	13 36	3 22	3 30	1 55	5 25	1 17	15 38	0 29	24 25	0 33	19 49	1 6	23 5	0 38	23 26	0 37	16 57	2 20	21 54	22 9	4 4		n.a.
S 9	12 37	17 36	2 16	4 19	1 45	5 16	1 24	15 51	0 30	24 26	0 33	19 48	1 6	23 6	0 38	23 26	0 37	16 57	2 20	21 53	22 8	4 1		n.a.
S 10	12 57	20 27	1 4	5 10	1 35	5 5	1 30	16 3	0 30	24 26	0 34	19 48	1 6	23 6	0 38	23 26	0 37	16 57	2 20	21 53	22 8	3 59		n.a.
M11	13 16	22 1	0s11	6 1	1 25	4 54	1 36	16 16	0 31	24 26	0 34	19 47	1 6	23 6	0 38	23 25	0 37	16 57	2 20	21 53	22 7	3 56		n.a.
T 12	13 36	22 17	1 22	6 54	1 14	4 43	1 42	16 29	0 31	24 27	0 34	19 46	1 6	23 6	0 38	23 25	0 37	16 56	2 19	21 53	22 7	3 54		n.a.
W13	13 55	21 20	2 28	7 47	1 3	4 31	1 47	16 41	0 32	24 27	0 34	19 46	1 6	23 6	0 38	23 25	0 37	16 56	2 19	21 53	22 6	3 51		n.a.
T 14	14 14	19 19	3 24	8 41	0 52	4 18	1 52	16 54	0 32	24 27	0 35	19 45	1 6	23 6	0 38	23 25	0 37	16 56	2 19	21 53	22 6	3 49		n.a.
F 15	14 33	16 28	4 10	9 35	0 41	4 4	1 57	17 6	0 33	24 27	0 35	19 44	1 5	23 6	0 38	23 25	0 37	16 56	2 19	21 54	22 5	3 46		n.a.
S 16	14 52	12 58	4 44	10 30	0 29	3 50	2 2	17 18	0 33	24 28	0 35	19 43	1 5	23 6	0 38	23 25	0 37	16 55	2 19	21 54	22 5	3 43		n.a.
S 17	15 10	9 0	5 5	11 24	0 18	3 36	2 7	17 30	0 34	24 28	0 35	19 42	1 5	23 6	0 38	23 25	0 37	16 55	2 19	21 53	22 4	3 41		n.a.
M18	15 28	4 42	5 13	12 19	0 7	3 21	2 11	17 42	0 34	24 28	0 36	19 42	1 5	23 6	0 38	23 24	0 37	16 55	2 19	21 53	22 4	3 38		n.a.
T 19	15 46	0 14	5 8	13 13	0n 4	3 5	2 15	17 54	0 35	24 28	0 36	19 41	1 5	23 6	0 38	23 24	0 37	16 54	2 19	21 53	22 3	3 36		n.a.
W20	16 4	4s17	4 49	14 6	0 15	2 49	2 19	18 5	0 35	24 29	0 36	19 40	1 5	23 6	0 38	23 24	0 37	16 54	2 19	21 52	22 3	3 33		n.a.
T 21	16 21	8 41	4 17	14 59	0 25	2 32	2 23	18 17	0 36	24 29	0 36	19 39	1 5	23 6	0 38	23 24	0 37	16 54	2 19	21 51	22 2	3 31		n.a.
F 22	16 38	12 48	3 33	15 50	0 35	2 15	2 26	18 28	0 36	24 29	0 37	19 38	1 5	23 7	0 38	23 24	0 37	16 54	2 19	21 51	22 2	3 28		n.a.
S 23	16 55	16 27	2 38	16 40	0 45	1 58	2 29	18 39	0 37	24 30	0 37	19 38	1 5	23 7	0 38	23 24	0 37	16 53	2 19	21 50	22 1	3 26		n.a.
S 24	17 12	19 23	1 34	17 28	0 54	1 40	2 33	18 50	0 37	24 30	0 37	19 37	1 5	23 7	0 38	23 23	0 37	16 53	2 18	21 50	22 1	3 23		n.a.
M25	17 28	21 24	0 25	18 15	1 2	1 22	2 35	19 1	0 37	24 30	0 37	19 36	1 5	23 7	0 38	23 23	0 37	16 53	2 18	21 50	22 0	3 21		n.a.
T 26	17 44	22 17	0n48	18 59	1 11	1 3	2 38	19 12	0 38	24 30	0 38	19 35	1 5	23 7	0 38	23 23	0 37	16 52	2 18	21 50	22 0	3 18		n.a.
W27	18 0	21 54	1 59	19 42	1 18	0 44	2 41	19 23	0 38	24 31	0 38	19 34	1 5	23 7	0 38	23 23	0 37	16 52	2 18	21 50	21 59	3 16		n.a.
T 28	18 16	20 15	3 4	20 22	1 25	0 24	2 43	19 33	0 39	24 31	0 38	19 33	1 5	23 7	0 38	23 23	0 37	16 52	2 18	21 50	21 59	3 13		n.a.
F 29	18 31	17 24	4 0	21 0	1 31	0 4	2 45	19 43	0 39	24 31	0 38	19 33	1 5	23 8	0 38	23 23	0 37	16 52	2 18	21 50	21 58	3 11		n.a.
S 30	18 46	13 31	4 43	21 35	1 36	0n16	2 47	19 54	0 40	24 32	0 39	19 32	1 5	23 8	0 38	23 22	0 37	16 51	2 18	21 51	21 58	3 8		n.a.
S 31	19n 1	8s52	5n 9	22n 8	1n41	0n36	2s49	20n 4	0n40	24s32	0s39	19s31	1n 5	23s 8	0s38	23n22	0n37	16s51	2n18	21s51	21s57	3n 6		n.a.

Julian Day Number = 1103175.5, Delta T = 11h00m33s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'18, Lahiri = -27°18'18 Julian Calendar 1 May 1693 BCE == Greg. Calendar 17 Apr. 1693 BCE

The year -1692 astronomical counting style corresponds to year 1693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

JUNE 1693 BCE (-1692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 40 8	24♉30'26	8♓27	1♊52	8♈49	25♉47	1°R10	0°R 5	19°R 6	17♋12	23°R46	6°R44	7♐19	10♍26	n.a.	M 1
T 2	15 44 5	25°27'33	22°48	3°54	9°45	26°26	1♑ 5	0♐ 0	19♑ 5	17°14	23♏45	6♐43	7°16	10°32	n.a.	T 2
W 3	15 48 1	26°24'42	7♈11	5°55	10°42	27° 4	1° 0	29♏56	19° 4	17°15	23°43	6°42	7°12	10°39	n.a.	W 3
T 4	15 51 58	27°21'51	21°31	7°53	11°39	27°43	0°55	29°52	19° 3	17°17	23°42	6°41	7° 9	10°46	n.a.	T 4
F 5	15 55 54	28°19'01	5♉45	9°50	12°37	28°21	0°50	29°47	19° 1	17°18	23°40	6°40	7° 6	10°52	n.a.	F 5
S 6	15 59 51	29°16'12	19°47	11°45	13°35	29° 0	0°44	29°43	19° 0	17°20	23°39	6°39	7° 3	10°59	n.a.	S 6
S 7	16 3 47	0♊13'23	3♊34	13°39	14°33	29°39	0°39	29°38	18°59	17°22	23°37	6°D39	7° 0	11° 6	n.a.	S 7
M 8	16 7 44	1°10'36	17° 3	15°31	15°32	0♊17	0°33	29°34	18°57	17°23	23°36	6°39	6°57	11°13	n.a.	M 8
T 9	16 11 41	2° 7'49	0♋13	17°21	16°31	0°56	0°27	29°29	18°56	17°25	23°34	6°39	6°53	11°19	n.a.	T 9
W10	16 15 37	3° 5'03	13° 3	19° 9	17°31	1°34	0°21	29°25	18°55	17°27	23°33	6°40	6°50	11°26	n.a.	W10
T 11	16 19 34	4° 2'17	25°36	20°55	18°30	2°13	0°15	29°20	18°53	17°28	23°31	6°40	6°47	11°33	n.a.	T 11
F 12	16 23 30	4°59'32	7♌53	22°40	19°31	2°51	0° 8	29°16	18°52	17°30	23°30	6°40	6°44	11°40	n.a.	F 12
S 13	16 27 27	5°56'47	19°58	24°23	20°31	3°30	0° 2	29°12	18°50	17°32	23°29	6°40	6°41	11°46	n.a.	S 13
S 14	16 31 23	6°54'04	1♍55	26° 4	21°32	4° 8	29♐55	29° 7	18°49	17°33	23°27	6°40	6°37	11°53	n.a.	S 14
M15	16 35 20	7°51'20	13°49	27°44	22°33	4°47	29°49	29° 3	18°47	17°35	23°26	6°40	6°34	12° 0	n.a.	M15
T 16	16 39 17	8°48'38	25°43	29°21	23°35	5°25	29°42	28°59	18°45	17°37	23°24	6°41	6°31	12° 6	n.a.	T 16
W17	16 43 13	9°45'56	7♎44	0♋58	24°36	6° 3	29°35	28°54	18°44	17°39	23°23	6°41	6°28	12°13	n.a.	W17
T 18	16 47 10	10°43'15	19°54	2°32	25°38	6°42	29°28	28°50	18°42	17°41	23°21	6°41	6°25	12°20	n.a.	T 18
F 19	16 51 6	11°40'36	2♏17	4° 4	26°41	7°20	29°21	28°46	18°40	17°43	23°20	6°42	6°22	12°27	n.a.	F 19
S 20	16 55 3	12°37'57	14°56	5°35	27°43	7°59	29°14	28°41	18°39	17°45	23°19	6°42	6°18	12°33	n.a.	S 20
S 21	16 58 59	13°35'19	27°53	7° 4	28°46	8°37	29° 7	28°37	18°37	17°46	23°17	6°42	6°15	12°40	n.a.	S 21
M22	17 2 56	14°32'42	11♐ 8	8°31	29°49	9°15	28°59	28°33	18°35	17°48	23°16	6°R42	6°12	12°47	n.a.	M22
T 23	17 6 52	15°30'06	24°41	9°57	0♉53	9°54	28°52	28°29	18°33	17°50	23°15	6°42	6° 9	12°54	n.a.	T 23
W24	17 10 49	16°27'32	8♑30	11°20	1°56	10°32	28°45	28°25	18°31	17°52	23°13	6°41	6° 6	13° 0	n.a.	W24
T 25	17 14 46	17°24'59	22°31	12°42	3° 0	11°10	28°37	28°21	18°29	17°54	23°12	6°40	6° 3	13° 7	n.a.	T 25
F 26	17 18 42	18°22'28	6♒41	14° 2	4° 4	11°49	28°30	28°17	18°27	17°56	23°11	6°39	5°59	13°14	n.a.	F 26
S 27	17 22 39	19°19'58	20°57	15°20	5° 9	12°27	28°22	28°13	18°25	17°58	23° 9	6°38	5°56	13°20	n.a.	S 27
S 28	17 26 35	20°17'29	5♓15	16°36	6°13	13° 5	28°14	28° 9	18°23	18° 0	23° 8	6°37	5°53	13°27	n.a.	S 28
M29	17 30 32	21°15'02	19°31	17°49	7°18	13°44	28° 7	28° 5	18°21	18° 2	23° 7	6°D36	5°50	13°34	n.a.	M29
T 30	17 34 28	22♊12'37	3♈42	19♋ 1	8♉23	14♊22	27♐59	28♏ 1	18♑19	18♋ 4	23♏ 5	6♐36	5♐47	13♍41	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n15	3s41	5n16	22n38	1n45	0n57	2s51	20n13	0n41	24s32	0s39	19s30	1n 5	23s 8	0s38	23n22	0n37	16s51	2n18	21s51	21s56	3n 3		n.a.
T 2	19 29	1n44	5 4	23 6	1 48	1 18	2 52	20 23	0 41	24 33	0 39	19 29	1 4	23 8	0 39	23 22	0 37	16 51	2 18	21 50	21 56	3 1		n.a.
W 3	19 43	7 4	4 33	23 31	1 51	1 40	2 53	20 33	0 42	24 33	0 40	19 28	1 4	23 9	0 39	23 22	0 37	16 50	2 17	21 50	21 55	2 58		n.a.
T 4	19 56	12 0	3 45	23 54	1 53	2 1	2 55	20 42	0 42	24 33	0 40	19 27	1 4	23 9	0 39	23 21	0 37	16 50	2 17	21 50	21 55	2 56		n.a.
F 5	20 10	16 14	2 43	24 14	1 54	2 23	2 56	20 52	0 42	24 33	0 40	19 26	1 4	23 9	0 39	23 21	0 37	16 50	2 17	21 50	21 54	2 53		n.a.
S 6	20 22	19 29	1 32	24 31	1 55	2 45	2 56	21 1	0 43	24 34	0 40	19 26	1 4	23 9	0 39	23 21	0 37	16 49	2 17	21 50	21 54	2 51		n.a.
S 7	20 35	21 33	0 17	24 46	1 55	3 8	2 57	21 10	0 43	24 34	0 41	19 25	1 4	23 9	0 39	23 21	0 37	16 49	2 17	21 50	21 53	2 48		n.a.
M 8	20 47	22 18	0s57	24 59	1 55	3 30	2 58	21 18	0 44	24 34	0 41	19 24	1 4	23 10	0 39	23 21	0 37	16 49	2 17	21 50	21 53	2 46		n.a.
T 9	20 59	21 47	2 7	25 10	1 54	3 53	2 58	21 27	0 44	24 34	0 41	19 23	1 4	23 10	0 39	23 20	0 37	16 49	2 17	21 50	21 52	2 43		n.a.
W10	21 10	20 7	3 8	25 18	1 52	4 16	2 58	21 36	0 45	24 35	0 41	19 22	1 4	23 10	0 39	23 20	0 37	16 48	2 17	21 50	21 52	2 41		n.a.
T 11	21 21	17 30	3 59	25 24	1 50	4 39	2 58	21 44	0 45	24 35	0 41	19 21	1 4	23 10	0 39	23 20	0 37	16 48	2 17	21 50	21 51	2 38		n.a.
F 12	21 32	14 10	4 38	25 28	1 47	5 2	2 58	21 52	0 46	24 35	0 42	19 20	1 4	23 11	0 39	23 20	0 37	16 48	2 16	21 50	21 51	2 36		n.a.
S 13	21 42	10 18	5 4	25 30	1 44	5 25	2 58	22 0	0 46	24 35	0 42	19 19	1 3	23 11	0 39	23 19	0 37	16 48	2 16	21 50	21 50	2 33		n.a.
S 14	21 52	6 5	5 16	25 30	1 40	5 48	2 58	22 8	0 46	24 36	0 42	19 19	1 3	23 11	0 39	23 19	0 37	16 47	2 16	21 50	21 49	2 31		n.a.
M15	22 2	1 39	5 15	25 28	1 36	6 12	2 58	22 16	0 47	24 36	0 42	19 18	1 3	23 11	0 39	23 19	0 37	16 47	2 16	21 50	21 49	2 28		n.a.
T 16	22 11	2s50	5 0	25 24	1 31	6 35	2 57	22 23	0 47	24 36	0 43	19 17	1 3	23 12	0 39	23 19	0 37	16 47	2 16	21 50	21 48	2 26		n.a.
W17	22 20	7 16	4 32	25 19	1 26	6 59	2 56	22 30	0 48	24 36	0 43	19 16	1 3	23 12	0 39	23 18	0 37	16 47	2 16	21 50	21 48	2 23		n.a.
T 18	22 28	11 29	3 51	25 12	1 20	7 22	2 56	22 38	0 48	24 36	0 43	19 15	1 3	23 12	0 39	23 18	0 37	16 46	2 16	21 50	21 47	2 21		n.a.
F 19	22 37	15 17	2 59	25 4	1 14	7 46	2 55	22 45	0 49	24 37	0 43	19 14	1 3	23 12	0 39	23 18	0 37	16 46	2 16	21 50	21 47	2 18		n.a.
S 20	22 44	18 30	1 58	24 54	1 8	8 10	2 54	22 51	0 49	24 37	0 43	19 14	1 3	23 13	0 39	23 18	0 37	16 46	2 16	21 50	21 46	2 16		n.a.
S 21	22 52	20 51	0 49	24 43	1 1	8 33	2 53	22 58	0 49	24 37	0 44	19 13	1 3	23 13	0 39	23 17	0 37	16 46	2 15	21 50	21 46	2 13		n.a.
M22	22 59	22 8	0n25	24 31	0 54	8 57	2 51	23 4	0 50	24 37	0 44	19 12	1 2	23 13	0 39	23 17	0 37	16 46	2 15	21 50	21 45	2 11		n.a.
T 23	23 5	22 9	1 38	24 17	0 47	9 21	2 50	23 11	0 50	24 37	0 44	19 11	1 2	23 13	0 39	23 17	0 37	16 45	2 15	21 50	21 44	2 8		n.a.
W24	23 11	20 50	2 47	24 2	0 39	9 44	2 49	23 17	0 51	24 37	0 44	19 10	1 2	23 14	0 39	23 17	0 37	16 45	2 15	21 50	21 44	2 6		n.a.
T 25	23 17	18 14	3 47	23 47	0 31	10 8	2 47	23 23	0 51	24 37	0 44	19 9	1 2	23 14	0 39	23 16	0 37	16 45	2 15	21 50	21 43	2 3		n.a.
F 26	23 22	14 32	4 34	23 30	0 22	10 31	2 45	23 29	0 51	24 37	0 45	19 9	1 2	23 14	0 39	23 16	0 37	16 45	2 15	21 50	21 43	2 1		n.a.
S 27	23 27	9 59	5 4	23 13	0 13	10 55	2 44	23 34	0 52	24 38	0 45	19 8	1 2	23 15	0 39	23 16	0 37	16 44	2 15	21 49	21 42	1 58		n.a.
S 28	23 32	4 53	5 16	22 55	0 4	11 18	2 42	23 40	0 52	24 38	0 45	19 7	1 2	23 15	0 39	23 16	0 37	16 44	2 15	21 49	21 42	1 56		n.a.
M29	23 36	0n29	5 8	22 36	0s 5	11 41	2 40	23 45	0 53	24 38	0 45	19 6	1 2	23 15	0 39	23 15	0 37	16 44	2 14	21 49	21 41	1 53		n.a.
T 30	23n39	5n47	4n41	22n16	0s15	12n 5	2s38	23n50	0n53	24s38	0s45	19s 6	1n 1	23s16	0s39	23n15	0n37	16s44	2n14	21s49	21s40	1n51		n.a.

Julian Day Number = 1103206.5, Delta T = 11h00m31s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'14, Lahiri = -27°18'13 Julian Calendar 1 June 1693 BCE == Greg. Calendar 18 May 1693 BCE

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

JULY 1693 BCE (-1692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 38 25	23♊10'14	17♈47	20♋11	9♉28	15♊ 0	27°R51	27°R57	18°R17	18♋ 6	23°R 4	6♐37	5♐43	13♍47	n.a.	W 1
T 2	17 42 22	24° 7'52	1♉43	21°18	10°34	15°38	27♐43	27♏53	18♏15	18° 8	23♏ 3	6°38	5°40	13°54	n.a.	T 2
F 3	17 46 18	25° 5'32	15°30	22°23	11°40	16°17	27°35	27°50	18°13	18°10	23° 2	6°40	5°37	14° 1	n.a.	F 3
S 4	17 50 15	26° 3'14	29° 5	23°25	12°46	16°55	27°27	27°46	18°11	18°12	23° 1	6°41	5°34	14° 7	n.a.	S 4
S 5	17 54 11	27° 0'58	12♊28	24°25	13°52	17°33	27°20	27°43	18° 9	18°15	22°59	6°R41	5°31	14°14	n.a.	S 5
M 6	17 58 8	27°58'43	25°37	25°22	14°58	18°12	27°12	27°39	18° 6	18°17	22°58	6°40	5°28	14°21	n.a.	M 6
T 7	18 2 4	28°56'30	8♋32	26°16	16° 4	18°50	27° 4	27°36	18° 4	18°19	22°57	6°38	5°24	14°28	n.a.	T 7
W 8	18 6 1	29°54'18	21°12	27° 7	17°11	19°28	26°56	27°32	18° 2	18°21	22°56	6°34	5°21	14°34	n.a.	W 8
T 9	18 9 57	0♋52'08	3♌39	27°55	18°18	20° 6	26°48	27°29	18° 0	18°23	22°55	6°31	5°18	14°41	n.a.	T 9
F 10	18 13 54	1°50'00	15°52	28°39	19°25	20°44	26°40	27°26	17°57	18°25	22°54	6°27	5°15	14°48	n.a.	F 10
S 11	18 17 51	2°47'53	27°56	29°20	20°32	21°23	26°33	27°22	17°55	18°27	22°53	6°23	5°12	14°55	n.a.	S 11
S 12	18 21 47	3°45'47	9♍52	29°57	21°39	22° 1	26°25	27°19	17°53	18°30	22°52	6°20	5° 9	15° 1	n.a.	S 12
M13	18 25 44	4°43'43	21°45	0♎30	22°47	22°39	26°17	27°16	17°51	18°32	22°51	6°18	5° 5	15° 8	n.a.	M13
T 14	18 29 40	5°41'40	3♎38	0°59	23°54	23°17	26°10	27°13	17°48	18°34	22°50	6°D17	5° 2	15°15	n.a.	T 14
W15	18 33 37	6°39'39	15°37	1°23	25° 2	23°55	26° 2	27°10	17°46	18°36	22°49	6°17	4°59	15°21	n.a.	W15
T 16	18 37 33	7°37'39	27°46	1°42	26°10	24°34	25°54	27° 7	17°44	18°38	22°48	6°18	4°56	15°28	n.a.	T 16
F 17	18 41 30	8°35'41	10♏10	1°56	27°18	25°12	25°47	27° 5	17°41	18°40	22°47	6°20	4°53	15°35	n.a.	F 17
S 18	18 45 26	9°33'44	22°53	2° 5	28°26	25°50	25°40	27° 2	17°39	18°43	22°46	6°21	4°49	15°42	n.a.	S 18
S 19	18 49 23	10°31'49	5♐58	2°R 9	29°35	26°28	25°32	26°59	17°37	18°45	22°45	6°R22	4°46	15°48	n.a.	S 19
M20	18 53 20	11°29'56	19°27	2° 6	0♊43	27° 6	25°25	26°57	17°34	18°47	22°44	6°21	4°43	15°55	n.a.	M20
T 21	18 57 16	12°28'05	3♑20	1°57	1°52	27°44	25°18	26°54	17°32	18°49	22°43	6°19	4°40	16° 2	n.a.	T 21
W22	19 1 13	13°26'16	17°33	1°42	3° 1	28°23	25°11	26°52	17°29	18°52	22°42	6°15	4°37	16° 9	n.a.	W22
T 23	19 5 9	14°24'28	2♒ 2	1°21	4°10	29° 1	25° 4	26°50	17°27	18°54	22°42	6°10	4°34	16°15	n.a.	T 23
F 24	19 9 6	15°22'43	16°41	0°53	5°19	29°39	24°57	26°48	17°25	18°56	22°41	6° 4	4°30	16°22	n.a.	F 24
S 25	19 13 2	16°20'59	1♓22	0°20	6°28	0♋17	24°50	26°46	17°22	18°58	22°40	5°58	4°27	16°29	n.a.	S 25
S 26	19 16 59	17°19'18	15°58	29♋40	7°38	0°55	24°43	26°43	17°20	19° 0	22°39	5°54	4°24	16°35	n.a.	S 26
M27	19 20 55	18°17'39	0♈25	28°54	8°47	1°33	24°37	26°42	17°17	19° 3	22°39	5°50	4°21	16°42	n.a.	M27
T 28	19 24 52	19°16'02	14°38	28° 4	9°57	2°11	24°30	26°40	17°15	19° 5	22°38	5°D49	4°18	16°49	n.a.	T 28
W29	19 28 48	20°14'28	28°35	27° 9	11° 7	2°49	24°24	26°38	17°13	19° 7	22°37	5°49	4°15	16°56	n.a.	W29
T 30	19 32 45	21°12'56	12♉17	26°11	12°17	3°28	24°18	26°36	17°10	19° 9	22°37	5°50	4°11	17° 2	n.a.	T 30
F 31	19 36 42	22♋11'26	25♉43	25♋10	13♊27	4♋ 6	24♐11	26♏35	17♑ 8	19♋12	22♏36	5♐51	4♐ 8	17♍ 9	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23n43	10n45	3n58	21n56	0s24	12n27	2s36	23n55	0n53	24s38	0s45	19s 5	1n 1	23s16	0s39	23n15	0n37	16s44	2n14	21s49	21s40	1n48			n.a.
T 2	23 45	15 7	3 1	21 36	0 34	12 50	2 34	23 59	0 54	24 38	0 46	19 4	1 1	23 16	0 39	23 14	0 37	16 44	2 14	21 50	21 39	1 46			n.a.
F 3	23 48	18 36	1 54	21 15	0 45	13 13	2 32	24 4	0 54	24 38	0 46	19 3	1 1	23 16	0 39	23 14	0 37	16 43	2 14	21 50	21 39	1 43			n.a.
S 4	23 50	21 1	0 42	20 55	0 55	13 35	2 29	24 8	0 55	24 38	0 46	19 3	1 1	23 17	0 39	23 14	0 37	16 43	2 14	21 50	21 38	1 41			n.a.
S 5	23 51	22 11	0s32	20 34	1 6	13 58	2 27	24 12	0 55	24 38	0 46	19 2	1 1	23 17	0 39	23 14	0 37	16 43	2 14	21 50	21 38	1 38			n.a.
M 6	23 52	22 7	1 42	20 13	1 17	14 20	2 24	24 16	0 55	24 38	0 46	19 1	1 1	23 17	0 39	23 13	0 37	16 43	2 13	21 50	21 37	1 36			n.a.
T 7	23 53	20 51	2 46	19 52	1 28	14 42	2 22	24 20	0 56	24 38	0 46	19 1	1 1	23 18	0 39	23 13	0 37	16 43	2 13	21 49	21 36	1 33			n.a.
W 8	23 53	18 33	3 41	19 31	1 39	15 3	2 19	24 24	0 56	24 38	0 47	19 0	1 0	23 18	0 39	23 13	0 37	16 43	2 13	21 49	21 36	1 31			n.a.
T 9	23 53	15 26	4 23	19 11	1 50	15 25	2 17	24 27	0 56	24 38	0 47	18 59	1 0	23 18	0 39	23 12	0 37	16 42	2 13	21 48	21 35	1 28			n.a.
F 10	23 53	11 43	4 53	18 51	2 1	15 46	2 14	24 30	0 57	24 38	0 47	18 59	1 0	23 19	0 39	23 12	0 37	16 42	2 13	21 48	21 35	1 26			n.a.
S 11	23 52	7 35	5 10	18 31	2 12	16 7	2 11	24 33	0 57	24 38	0 47	18 58	1 0	23 19	0 39	23 12	0 37	16 42	2 13	21 47	21 34	1 23			n.a.
S 12	23 50	3 12	5 13	18 13	2 23	16 27	2 8	24 36	0 58	24 38	0 47	18 58	1 0	23 19	0 39	23 12	0 37	16 42	2 13	21 46	21 34	1 21			n.a.
M13	23 48	1s17	5 2	17 55	2 34	16 48	2 5	24 39	0 58	24 37	0 47	18 57	1 0	23 20	0 40	23 11	0 37	16 42	2 12	21 46	21 33	1 18			n.a.
T 14	23 46	5 43	4 38	17 38	2 45	17 8	2 2	24 41	0 58	24 37	0 47	18 57	0 59	23 20	0 40	23 11	0 37	16 42	2 12	21 46	21 32	1 16			n.a.
W15	23 43	9 58	4 2	17 22	2 56	17 27	1 59	24 44	0 59	24 37	0 48	18 56	0 59	23 20	0 40	23 11	0 37	16 42	2 12	21 46	21 32	1 13			n.a.
T 16	23 40	13 54	3 15	17 8	3 6	17 46	1 56	24 46	0 59	24 37	0 48	18 56	0 59	23 21	0 40	23 10	0 37	16 42	2 12	21 46	21 31	1 11			n.a.
F 17	23 36	17 19	2 18	16 55	3 17	18 5	1 53	24 47	0 59	24 37	0 48	18 55	0 59	23 21	0 40	23 10	0 37	16 41	2 12	21 46	21 31	1 8			n.a.
S 18	23 32	20 1	1 13	16 43	3 26	18 24	1 50	24 49	1 0	24 37	0 48	18 55	0 59	23 21	0 40	23 10	0 37	16 41	2 12	21 47	21 30	1 6			n.a.
S 19	23 28	21 45	0 2	16 33	3 36	18 42	1 47	24 51	1 0	24 37	0 48	18 54	0 59	23 22	0 40	23 9	0 37	16 41	2 11	21 47	21 29	1 3			n.a.
M20	23 23	22 17	1n11	16 25	3 44	19 0	1 44	24 52	1 1	24 37	0 48	18 54	0 59	23 22	0 40	23 9	0 37	16 41	2 11	21 47	21 29	1 1			n.a.
T 21	23 18	21 29	2 21	16 20	3 52	19 17	1 41	24 53	1 1	24 36	0 48	18 53	0 58	23 22	0 40	23 9	0 37	16 41	2 11	21 46	21 28	0 58			n.a.
W22	23 12	19 20	3 25	16 16	3 59	19 34	1 37	24 54	1 1	24 36	0 48	18 53	0 58	23 23	0 40	23 9	0 37	16 41	2 11	21 46	21 28	0 56			n.a.
T 23	23 6	15 55	4 17	16 15	4 5	19 50	1 34	24 55	1 2	24 36	0 48	18 52	0 58	23 23	0 40	23 8	0 37	16 41	2 11	21 45	21 27	0 53			n.a.
F 24	22 59	11 30	4 52	16 16	4 10	20 6	1 31	24 55	1 2	24 36	0 48	18 52	0 58	23 23	0 40	23 8	0 37	16 41	2 11	21 44	21 27	0 51			n.a.
S 25	22 52	6 24	5 8	16 20	4 14	20 22	1 27	24 56	1 2	24 36	0 49	18 52	0 58	23 24	0 40	23 8	0 37	16 41	2 11	21 43	21 26	0 49			n.a.
S 26	22 45	0 58	5 5	16 26	4 16	20 37	1 24	24 56	1 3	24 36	0 49	18 51	0 58	23 24	0 40	23 7	0 37	16 41	2 10	21 42	21 25	0 46			n.a.
M27	22 37	4n28	4 42	16 35	4 16	20 51	1 20	24 56	1 3	24 35	0 49	18 51	0 57	23 24	0 40	23 7	0 37	16 41	2 10	21 41	21 25	0 44			n.a.
T 28	22 29	9 34	4 2	16 47	4 15	21 5	1 17	24 56	1 3	24 35	0 49	18 51	0 57	23 25	0 40	23 7	0 37	16 41	2 10	21 41	21 24	0 41			n.a.
W29	22 20	14 5	3 8	17 1	4 11	21 19	1 14	24 55	1 4	24 35	0 49	18 51	0 57	23 25	0 40	23 6	0 37	16 41	2 10	21 41	21 24	0 39			n.a.
T 30	22 11	17 46	2 4	17 17	4 6	21 32	1 10	24 55	1 4	24 35	0 49	18 50	0 57	23 25	0 40	23 6	0 37	16 41	2 10	21 41	21 23	0 36			n.a.
F 31	22n 1	20n26	0n55	17n35	3s59	21n44	1s 7	24n54	1n 4	24s35	0s49	18s50	0n57	23s25	0s40	23n 6	0n37	16s41	2n10	21s41	21s22	0n34			n.a.

Julian Day Number = 1103236.5, Delta T = 11h00m29s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'10, Lahiri = -27°18'09 Julian Calendar 1 July 1693 BCE == Greg. Calendar 17 June 1693 BCE

The year -1692 astronomical counting style corresponds to year 1693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

AUGUST 1693 BCE (-1692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 40 38	23♋ 9'59	8♊55	24°R 9	14♊37	4♋44	24°R 5	26°R33	17°R 6	19♋14	22°R36	5°R52	4♐ 5	17♍16	n.a.	S 1
S 2	19 44 35	24° 8'34	21°55	23♋ 8	15°47	5°22	24♐ 0	26♏32	17♉ 3	19°16	22♏35	5♐50	4° 2	17°22	n.a.	S 2
M 3	19 48 31	25° 7'11	4♋43	22° 8	16°58	6° 0	23°54	26°31	17° 1	19°18	22°35	5°47	3°59	17°29	n.a.	M 3
T 4	19 52 28	26° 5'51	17°20	21°12	18° 8	6°38	23°48	26°29	16°58	19°20	22°34	5°41	3°55	17°36	n.a.	T 4
W 5	19 56 24	27° 4'32	29°47	20°20	19°19	7°16	23°43	26°28	16°56	19°23	22°34	5°33	3°52	17°43	n.a.	W 5
T 6	20 0 21	28° 3'16	12♌ 3	19°35	20°30	7°54	23°38	26°27	16°54	19°25	22°33	5°24	3°49	17°49	n.a.	T 6
F 7	20 4 17	29° 2'02	24°10	18°56	21°41	8°33	23°33	26°26	16°51	19°27	22°33	5°13	3°46	17°56	n.a.	F 7
S 8	20 8 14	0♌ 0'49	6♍10	18°26	22°51	9°11	23°28	26°26	16°49	19°29	22°33	5° 3	3°43	18° 3	n.a.	S 8
S 9	20 12 11	0°59'39	18° 3	18° 4	24° 3	9°49	23°23	26°25	16°47	19°32	22°32	4°54	3°40	18°10	n.a.	S 9
M10	20 16 7	1°58'31	29°54	17°52	25°14	10°27	23°19	26°24	16°45	19°34	22°32	4°47	3°36	18°16	n.a.	M10
T 11	20 20 4	2°57'24	11♎45	17°D50	26°25	11° 5	23°14	26°24	16°42	19°36	22°32	4°42	3°33	18°23	n.a.	T 11
W12	20 24 0	3°56'20	23°41	17°57	27°37	11°43	23°10	26°23	16°40	19°38	22°31	4°40	3°30	18°30	n.a.	W12
T 13	20 27 57	4°55'17	5♏46	18°15	28°48	12°21	23° 6	26°23	16°38	19°40	22°31	4°D39	3°27	18°36	n.a.	T 13
F 14	20 31 53	5°54'17	18° 7	18°42	29°59	12°59	23° 2	26°23	16°36	19°42	22°31	4°40	3°24	18°43	n.a.	F 14
S 15	20 35 50	6°53'18	0♐47	19°18	1♋11	13°37	22°58	26°23	16°33	19°45	22°31	4°R40	3°20	18°50	n.a.	S 15
S 16	20 39 46	7°52'22	13°52	20° 3	2°23	14°15	22°55	26°D23	16°31	19°47	22°31	4°40	3°17	18°57	n.a.	S 16
M17	20 43 43	8°51'27	27°24	20°57	3°35	14°53	22°51	26°23	16°29	19°49	22°31	4°38	3°14	19° 3	n.a.	M17
T 18	20 47 39	9°50'34	11♑25	21°58	4°47	15°31	22°48	26°23	16°27	19°51	22°31	4°33	3°11	19°10	n.a.	T 18
W19	20 51 36	10°49'44	25°52	23° 6	5°59	16°10	22°45	26°23	16°25	19°53	22°D31	4°26	3° 8	19°17	n.a.	W19
T 20	20 55 33	11°48'55	10♒41	24°20	7°11	16°48	22°42	26°24	16°23	19°55	22°31	4°17	3° 5	19°23	n.a.	T 20
F 21	20 59 29	12°48'09	25°44	25°39	8°24	17°26	22°40	26°24	16°21	19°57	22°31	4° 7	3° 1	19°30	n.a.	F 21
S 22	21 3 26	13°47'25	10♓50	27° 4	9°36	18° 4	22°37	26°25	16°18	19°59	22°31	3°57	2°58	19°37	n.a.	S 22
S 23	21 7 22	14°46'43	25°50	28°32	10°48	18°42	22°35	26°25	16°16	20° 1	22°31	3°48	2°55	19°44	n.a.	S 23
M24	21 11 19	15°46'03	10♈36	0♌ 4	12° 1	19°20	22°33	26°26	16°14	20° 3	22°31	3°42	2°52	19°50	n.a.	M24
T 25	21 15 15	16°45'26	25° 0	1°39	13°14	19°58	22°31	26°27	16°12	20° 6	22°31	3°38	2°49	19°57	n.a.	T 25
W26	21 19 12	17°44'52	9♉ 2	3°17	14°26	20°36	22°30	26°28	16°11	20° 8	22°31	3°36	2°46	20° 4	n.a.	W26
T 27	21 23 8	18°44'20	22°40	4°57	15°39	21°14	22°28	26°29	16° 9	20°10	22°31	3°D36	2°42	20°10	n.a.	T 27
F 28	21 27 5	19°43'51	5♊58	6°38	16°52	21°52	22°27	26°30	16° 7	20°12	22°32	3°R36	2°39	20°17	n.a.	F 28
S 29	21 31 1	20°43'24	18°56	8°20	18° 5	22°30	22°26	26°32	16° 5	20°14	22°32	3°35	2°36	20°24	n.a.	S 29
S 30	21 34 58	21°43'00	1♋40	10° 3	19°18	23° 8	22°25	26°33	16° 3	20°16	22°32	3°32	2°33	20°31	n.a.	S 30
M31	21 38 55	22♌42'38	14♋11	11♌47	20♋31	23♋47	22♐25	26♏34	16♉ 1	20♋18	22♏33	3♐26	2♐30	20♍37	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n52	21n56	0s17	17n56	3s49	21n56	1s 3	24n53	1n 5	24s34	0s49	18s50	0n57	23s26	0s40	23n 5	0n37	16s41	2n 9	21s41	21s22	0n31		n.a.
S 2	21 41	22 13	1 25	18 17	3 38	22 8	1 0	24 52	1 5	24 34	0 49	18 50	0 56	23 26	0 40	23 5	0 37	16 41	2 9	21 41	21 21	0 29		n.a.
M 3	21 31	21 19	2 29	18 40	3 25	22 18	0 56	24 50	1 5	24 34	0 49	18 50	0 56	23 26	0 40	23 5	0 37	16 41	2 9	21 41	21 21	0 26		n.a.
T 4	21 20	19 22	3 24	19 3	3 10	22 28	0 53	24 49	1 6	24 34	0 49	18 50	0 56	23 27	0 40	23 5	0 37	16 41	2 9	21 39	21 20	0 24		n.a.
W 5	21 8	16 32	4 8	19 27	2 54	22 38	0 49	24 47	1 6	24 34	0 49	18 50	0 56	23 27	0 40	23 4	0 37	16 41	2 9	21 38	21 19	0 21		n.a.
T 6	20 56	13 1	4 40	19 51	2 37	22 47	0 46	24 45	1 6	24 33	0 49	18 49	0 56	23 27	0 40	23 4	0 37	16 41	2 9	21 36	21 19	0 19		n.a.
F 7	20 44	9 1	4 59	20 14	2 19	22 55	0 42	24 43	1 7	24 33	0 49	18 49	0 56	23 28	0 40	23 4	0 37	16 41	2 9	21 34	21 18	0 17		n.a.
S 8	20 32	4 42	5 5	20 37	2 0	23 3	0 39	24 41	1 7	24 33	0 49	18 49	0 55	23 28	0 40	23 3	0 37	16 41	2 8	21 33	21 17	0 14		n.a.
S 9	20 19	0 16	4 57	20 59	1 41	23 10	0 35	24 38	1 7	24 33	0 49	18 49	0 55	23 28	0 40	23 3	0 37	16 41	2 8	21 31	21 17	0 12		n.a.
M10	20 6	4s10	4 37	21 19	1 22	23 16	0 32	24 36	1 8	24 32	0 49	18 49	0 55	23 28	0 40	23 3	0 37	16 41	2 8	21 30	21 16	0 9		n.a.
T 11	19 52	8 28	4 4	21 38	1 3	23 22	0 28	24 33	1 8	24 32	0 50	18 49	0 55	23 29	0 40	23 2	0 37	16 41	2 8	21 29	21 16	0 7		n.a.
W12	19 38	12 28	3 21	21 56	0 45	23 27	0 25	24 30	1 8	24 32	0 50	18 50	0 55	23 29	0 40	23 2	0 37	16 42	2 8	21 28	21 15	0 4		n.a.
T 13	19 24	16 1	2 28	22 11	0 27	23 32	0 21	24 27	1 9	24 32	0 50	18 50	0 55	23 29	0 40	23 2	0 37	16 42	2 8	21 28	21 14	0 2		n.a.
F 14	19 9	18 57	1 27	22 24	0 10	23 35	0 18	24 23	1 9	24 32	0 50	18 50	0 54	23 30	0 40	23 2	0 37	16 42	2 7	21 28	21 14	0s 1		n.a.
S 15	18 54	21 2	0 21	22 34	0n 6	23 38	0 15	24 20	1 9	24 32	0 50	18 50	0 54	23 30	0 40	23 1	0 37	16 42	2 7	21 28	21 13	0 3		n.a.
S 16	18 39	22 5	0n49	22 43	0 21	23 41	0 11	24 16	1 10	24 31	0 50	18 50	0 54	23 30	0 40	23 1	0 37	16 42	2 7	21 28	21 13	0 5		n.a.
M17	18 23	21 54	1 58	22 48	0 35	23 43	0 8	24 12	1 10	24 31	0 50	18 50	0 54	23 30	0 40	23 1	0 37	16 42	2 7	21 28	21 12	0 8		n.a.
T 18	18 7	20 22	3 2	22 51	0 48	23 44	0 5	24 8	1 10	24 31	0 50	18 50	0 54	23 31	0 40	23 0	0 37	16 42	2 7	21 27	21 11	0 10		n.a.
W19	17 51	17 30	3 57	22 51	0 59	23 44	0 1	24 4	1 11	24 31	0 50	18 51	0 54	23 31	0 40	23 0	0 37	16 42	2 7	21 26	21 11	0 13		n.a.
T 20	17 34	13 27	4 37	22 48	1 10	23 43	0n 2	23 59	1 11	24 31	0 50	18 51	0 53	23 31	0 40	23 0	0 37	16 43	2 6	21 24	21 10	0 15		n.a.
F 21	17 17	8 30	4 59	22 42	1 19	23 42	0 5	23 54	1 11	24 31	0 50	18 51	0 53	23 31	0 40	22 59	0 37	16 43	2 6	21 22	21 9	0 18		n.a.
S 22	17 0	3 1	5 0	22 34	1 27	23 40	0 8	23 50	1 11	24 30	0 50	18 51	0 53	23 32	0 40	22 59	0 37	16 43	2 6	21 20	21 9	0 20		n.a.
S 23	16 42	2n35	4 40	22 22	1 34	23 38	0 12	23 45	1 12	24 30	0 50	18 52	0 53	23 32	0 40	22 59	0 37	16 43	2 6	21 19	21 8	0 23		n.a.
M24	16 25	7 58	4 2	22 8	1 40	23 35	0 15	23 39	1 12	24 30	0 50	18 52	0 53	23 32	0 40	22 59	0 37	16 43	2 6	21 17	21 8	0 25		n.a.
T 25	16 6	12 47	3 9	21 52	1 45	23 31	0 18	23 34	1 12	24 30	0 50	18 53	0 53	23 32	0 40	22 58	0 37	16 43	2 6	21 16	21 7	0 27		n.a.
W26	15 48	16 46	2 6	21 33	1 48	23 26	0 21	23 28	1 13	24 30	0 50	18 53	0 52	23 33	0 39	22 58	0 37	16 44	2 5	21 16	21 6	0 30		n.a.
T 27	15 29	19 43	0 58	21 11	1 51	23 21	0 24	23 23	1 13	24 30	0 50	18 53	0 52	23 33	0 39	22 58	0 37	16 44	2 5	21 16	21 6	0 32		n.a.
F 28	15 11	21 30	0s13	20 48	1 53	23 15	0 27	23 17	1 13	24 30	0 50	18 54	0 52	23 33	0 39	22 57	0 37	16 44	2 5	21 16	21 5	0 35		n.a.
S 29	14 51	22 5	1 20	20 22	1 55	23 8	0 30	23 11	1 14	24 30	0 50	18 54	0 52	23 33	0 39	22 57	0 37	16 44	2 5	21 16	21 4	0 37		n.a.
S 30	14 32	21 30	2 23	19 54	1 55	23 0	0 32	23 5	1 14	24 30	0 50	18 55	0 52	23 33	0 39	22 57	0 37	16 45	2 5	21 15	21 4	0 40		n.a.
M31	14n12	19n51	3s17	19n25	1n55	22n52	0n35	22n58	1n14	24s30	0s50	18s55	0n52	23s34	0s39	22n57	0n38	16s45	2n 5	21s14	21s 3	0s42		n.a.

Julian Day Number = 1103267.5, Delta T = 11h00m27s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'06, Lahiri = -27°18'05 Julian Calendar 1 Aug. 1693 BCE == Greg. Calendar 18 July 1693 BCE

The year -1692 astronomical counting style corresponds to year 1693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

SEPTEMBER 1693 BCE (-1692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 42 51	23♌42'18	26♋32	13♌32	21♋45	24♋25	22°R24	26♏36	16°R 0	20♋19	22♏33	3°R18	2♐26	20♍44	n.a.	T 1
W 2	21 46 48	24°42'01	8♌45	15°16	22°58	25° 3	22♐24	26°38	15♉58	20°21	22°33	3♐ 6	2°23	20°51	n.a.	W 2
T 3	21 50 44	25°41'46	20°51	17° 1	24°11	25°41	22°D24	26°39	15°56	20°23	22°34	2°53	2°20	20°57	n.a.	T 3
F 4	21 54 41	26°41'33	2♍51	18°45	25°25	26°19	22°24	26°41	15°55	20°25	22°34	2°38	2°17	21° 4	n.a.	F 4
S 5	21 58 37	27°41'22	14°46	20°30	26°38	26°57	22°25	26°43	15°53	20°27	22°35	2°23	2°14	21°11	n.a.	S 5
S 6	22 2 34	28°41'13	26°37	22°14	27°52	27°35	22°25	26°45	15°51	20°29	22°35	2°10	2°11	21°18	n.a.	S 6
M 7	22 6 30	29°41'06	8♎27	23°57	29° 6	28°13	22°26	26°47	15°50	20°31	22°36	1°59	2° 7	21°24	n.a.	M 7
T 8	22 10 27	0♍41'01	20°17	25°40	0♌19	28°51	22°27	26°50	15°48	20°33	22°36	1°52	2° 4	21°31	n.a.	T 8
W 9	22 14 23	1°40'58	2♏12	27°23	1°33	29°29	22°28	26°52	15°47	20°34	22°37	1°46	2° 1	21°38	n.a.	W 9
T 10	22 18 20	2°40'57	14°15	29° 6	2°47	0♌ 7	22°30	26°55	15°45	20°36	22°38	1°44	1°58	21°44	n.a.	T 10
F 11	22 22 17	3°40'58	26°32	0♍47	4° 1	0°45	22°31	26°57	15°44	20°38	22°38	1°43	1°55	21°51	n.a.	F 11
S 12	22 26 13	4°41'01	9♐ 7	2°29	5°15	1°24	22°33	27° 0	15°43	20°40	22°39	1°43	1°52	21°58	n.a.	S 12
S 13	22 30 10	5°41'05	22° 5	4° 9	6°29	2° 2	22°35	27° 2	15°41	20°41	22°40	1°43	1°48	22° 5	n.a.	S 13
M14	22 34 6	6°41'11	5♑31	5°49	7°43	2°40	22°37	27° 5	15°40	20°43	22°40	1°40	1°45	22°11	n.a.	M14
T 15	22 38 3	7°41'19	19°27	7°29	8°57	3°18	22°40	27° 8	15°39	20°45	22°41	1°36	1°42	22°18	n.a.	T 15
W16	22 41 59	8°41'29	3♒53	9° 8	10°11	3°56	22°42	27°11	15°38	20°46	22°42	1°28	1°39	22°25	n.a.	W16
T 17	22 45 56	9°41'40	18°46	10°47	11°26	4°34	22°45	27°14	15°37	20°48	22°43	1°18	1°36	22°31	n.a.	T 17
F 18	22 49 52	10°41'53	3♓58	12°25	12°40	5°12	22°48	27°17	15°36	20°49	22°44	1° 7	1°32	22°38	n.a.	F 18
S 19	22 53 49	11°42'08	19°18	14° 2	13°54	5°50	22°51	27°21	15°35	20°51	22°45	0°56	1°29	22°45	n.a.	S 19
S 20	22 57 45	12°42'25	4♈36	15°40	15° 9	6°28	22°54	27°24	15°34	20°53	22°46	0°46	1°26	22°52	n.a.	S 20
M21	23 1 42	13°42'44	19°39	17°16	16°23	7° 6	22°58	27°28	15°33	20°54	22°47	0°38	1°23	22°58	n.a.	M21
T 22	23 5 39	14°43'05	4♉21	18°52	17°38	7°44	23° 2	27°31	15°32	20°56	22°48	0°33	1°20	23° 5	n.a.	T 22
W23	23 9 35	15°43'29	18°35	20°28	18°52	8°22	23° 6	27°35	15°31	20°57	22°49	0°31	1°17	23°12	n.a.	W23
T 24	23 13 32	16°43'54	2♊22	22° 3	20° 7	9° 0	23°10	27°38	15°30	20°58	22°50	0°D31	1°13	23°18	n.a.	T 24
F 25	23 17 28	17°44'22	15°42	23°38	21°21	9°38	23°14	27°42	15°29	21° 0	22°51	0°R31	1°10	23°25	n.a.	F 25
S 26	23 21 25	18°44'52	28°38	25°13	22°36	10°17	23°18	27°46	15°29	21° 1	22°52	0°31	1° 7	23°32	n.a.	S 26
S 27	23 25 21	19°45'24	11♋16	26°47	23°51	10°55	23°23	27°50	15°28	21° 3	22°53	0°28	1° 4	23°39	n.a.	S 27
M28	23 29 18	20°45'58	23°38	28°21	25° 6	11°33	23°28	27°54	15°27	21° 4	22°54	0°24	1° 1	23°45	n.a.	M28
T 29	23 33 14	21°46'33	5♌50	29°55	26°21	12°11	23°33	27°58	15°27	21° 5	22°55	0°16	0°58	23°52	n.a.	T 29
W30	23 37 11	22♍47'11	17♌53	1♎28	27♌35	12♌49	23♐38	28♏ 2	15♉26	21♋ 7	22♏57	0♐ 6	0♐54	23♍59	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n52	17n18	4s 1	18n54	1n54	22n43	0n38	22n52	1n14	24s30	0s50	18s56	0n51	23s34	0s39	22n56	0n38	16s45	2n 4	21s13	21s 2	0s44		n.a.
W 2	13 32	14 1	4 33	18 21	1 53	22 34	0 41	22 45	1 15	24 30	0 50	18 56	0 51	23 34	0 39	22 56	0 38	16 45	2 4	21 10	21 2	0 47		n.a.
T 3	13 12	10 12	4 53	17 47	1 51	22 23	0 43	22 38	1 15	24 30	0 50	18 57	0 51	23 34	0 39	22 56	0 38	16 46	2 4	21 8	21 1	0 49		n.a.
F 4	12 51	6 0	4 59	17 12	1 49	22 13	0 46	22 31	1 15	24 30	0 50	18 58	0 51	23 34	0 39	22 55	0 38	16 46	2 4	21 5	21 1	0 52		n.a.
S 5	12 30	1 37	4 53	16 36	1 46	22 1	0 48	22 24	1 16	24 30	0 50	18 58	0 51	23 35	0 39	22 55	0 38	16 46	2 4	21 2	21 0	0 54		n.a.
S 6	12 9	2s48	4 33	15 58	1 42	21 49	0 51	22 16	1 16	24 30	0 49	18 59	0 51	23 35	0 39	22 55	0 38	16 46	2 4	20 59	20 59	0 56		n.a.
M 7	11 48	7 6	4 2	15 20	1 39	21 36	0 53	22 9	1 16	24 30	0 49	18 59	0 50	23 35	0 39	22 55	0 38	16 47	2 3	20 57	20 59	0 59		n.a.
T 8	11 26	11 9	3 20	14 41	1 35	21 22	0 56	22 1	1 16	24 30	0 49	19 0	0 50	23 35	0 39	22 54	0 38	16 47	2 3	20 55	20 58	1 1		n.a.
W 9	11 5	14 47	2 29	14 1	1 30	21 8	0 58	21 53	1 17	24 30	0 49	19 1	0 50	23 35	0 39	22 54	0 38	16 47	2 3	20 54	20 57	1 4		n.a.
T 10	10 43	17 52	1 31	13 21	1 26	20 53	1 0	21 45	1 17	24 30	0 49	19 2	0 50	23 35	0 39	22 54	0 38	16 48	2 3	20 54	20 57	1 6		n.a.
F 11	10 21	20 11	0 27	12 39	1 21	20 38	1 2	21 37	1 17	24 30	0 49	19 2	0 50	23 36	0 39	22 54	0 38	16 48	2 3	20 54	20 56	1 9		n.a.
S 12	9 58	21 35	0n39	11 58	1 16	20 21	1 5	21 29	1 17	24 30	0 49	19 3	0 50	23 36	0 39	22 53	0 38	16 48	2 3	20 54	20 55	1 11		n.a.
S 13	9 36	21 54	1 45	11 16	1 10	20 5	1 7	21 21	1 18	24 30	0 49	19 4	0 49	23 36	0 39	22 53	0 38	16 49	2 2	20 54	20 55	1 13		n.a.
M14	9 13	20 58	2 48	10 33	1 5	19 47	1 9	21 12	1 18	24 30	0 49	19 5	0 49	23 36	0 39	22 53	0 38	16 49	2 2	20 53	20 54	1 16		n.a.
T 15	8 51	18 46	3 44	9 50	0 59	19 29	1 11	21 3	1 18	24 30	0 49	19 6	0 49	23 36	0 39	22 53	0 38	16 49	2 2	20 52	20 53	1 18		n.a.
W16	8 28	15 20	4 27	9 7	0 53	19 11	1 12	20 54	1 19	24 30	0 49	19 6	0 49	23 36	0 39	22 53	0 38	16 50	2 2	20 51	20 53	1 21		n.a.
T 17	8 5	10 50	4 54	8 23	0 47	18 52	1 14	20 45	1 19	24 30	0 49	19 7	0 49	23 36	0 39	22 52	0 38	16 50	2 2	20 49	20 52	1 23		n.a.
F 18	7 42	5 35	5 0	7 40	0 41	18 32	1 16	20 36	1 19	24 30	0 49	19 8	0 49	23 36	0 39	22 52	0 38	16 50	2 2	20 46	20 51	1 25		n.a.
S 19	7 18	0n 3	4 45	6 56	0 35	18 12	1 17	20 27	1 19	24 31	0 49	19 9	0 48	23 36	0 39	22 52	0 38	16 51	2 2	20 44	20 51	1 28		n.a.
S 20	6 55	5 41	4 10	6 12	0 29	17 51	1 19	20 17	1 20	24 31	0 49	19 10	0 48	23 37	0 39	22 52	0 38	16 51	2 1	20 42	20 50	1 30		n.a.
M21	6 31	10 53	3 18	5 28	0 22	17 30	1 21	20 8	1 20	24 31	0 49	19 11	0 48	23 37	0 39	22 51	0 38	16 52	2 1	20 40	20 50	1 33		n.a.
T 22	6 8	15 18	2 14	4 44	0 16	17 8	1 22	19 58	1 20	24 31	0 49	19 12	0 48	23 37	0 39	22 51	0 38	16 52	2 1	20 39	20 49	1 35		n.a.
W23	5 44	18 41	1 3	3 59	0 9	16 46	1 23	19 48	1 20	24 31	0 49	19 13	0 48	23 37	0 39	22 51	0 38	16 52	2 1	20 39	20 48	1 37		n.a.
T 24	5 20	20 52	0s10	3 15	0 3	16 23	1 25	19 38	1 21	24 31	0 49	19 14	0 48	23 37	0 39	22 51	0 38	16 53	2 1	20 39	20 48	1 40		n.a.
F 25	4 56	21 47	1 20	2 31	0s 4	16 0	1 26	19 28	1 21	24 32	0 49	19 15	0 48	23 37	0 39	22 51	0 38	16 53	2 1	20 39	20 47	1 42		n.a.
S 26	4 32	21 30	2 23	1 47	0 10	15 36	1 27	19 18	1 21	24 32	0 49	19 16	0 47	23 37	0 39	22 50	0 38	16 54	2 0	20 38	20 46	1 44		n.a.
S 27	4 8	20 7	3 18	1 3	0 17	15 12	1 28	19 7	1 21	24 32	0 49	19 17	0 47	23 37	0 39	22 50	0 38	16 54	2 0	20 38	20 46	1 47		n.a.
M28	3 44	17 47	4 3	0 19	0 23	14 48	1 29	18 57	1 21	24 32	0 49	19 18	0 47	23 37	0 39	22 50	0 38	16 55	2 0	20 37	20 45	1 49		n.a.
T 29	3 19	14 43	4 35	0s25	0 30	14 23	1 30	18 46	1 22	24 32	0 49	19 19	0 47	23 37	0 39	22 50	0 38	16 55	2 0	20 35	20 44	1 52		n.a.
W30	2n55	11n 5	4s55	1s 9	0s36	13n57	1n31	18n35	1n22	24s33	0s49	19s20	0n47	23s37	0s39	22n50	0n38	16s56	2n 0	20s33	20s44	1s54		n.a.

Julian Day Number = 1103298.5, Delta T = 11h00m25s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°25'01, Lahiri = -27°18'01 Julian Calendar 1 Sept. 1693 BCE == Greg. Calendar 18 Aug. 1693 BCE

The year -1692 astronomical counting style corresponds to year 1693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

OCTOBER 1693 BCE (-1692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 41 8	23♍47'50	29♌50	3♎ 1	28♌50	13♌27	23♐43	28♏ 7	15°R26	21♋ 8	22♏58	29°R54	0♐51	24♍ 5	n.a.	T 1
F 2	23 45 4	24°48'32	11♍44	4°33	0♍ 5	14° 5	23°49	28°11	15♑26	21° 9	22°59	29♏41	0°48	24°12	n.a.	F 2
S 3	23 49 1	25°49'14	23°36	6° 6	1°20	14°43	23°55	28°15	15°25	21°10	23° 0	29°28	0°45	24°19	n.a.	S 3
S 4	23 52 57	26°49'59	5♎27	7°38	2°35	15°21	24° 1	28°20	15°25	21°11	23° 2	29°16	0°42	24°26	n.a.	S 4
M 5	23 56 54	27°50'45	17°19	9° 9	3°50	15°59	24° 7	28°24	15°25	21°12	23° 3	29° 6	0°38	24°32	n.a.	M 5
T 6	0 0 50	28°51'32	29°13	10°41	5° 5	16°37	24°13	28°29	15°24	21°14	23° 4	28°59	0°35	24°39	n.a.	T 6
W 7	0 4 47	29°52'21	11♏12	12°12	6°21	17°15	24°19	28°34	15°24	21°15	23° 6	28°55	0°32	24°46	n.a.	W 7
T 8	0 8 43	0♎53'12	23°19	13°43	7°36	17°53	24°26	28°39	15°24	21°16	23° 7	28°D53	0°29	24°52	n.a.	T 8
F 9	0 12 40	1°54'03	5♐38	15°13	8°51	18°31	24°33	28°43	15°24	21°17	23° 9	28°53	0°26	24°59	n.a.	F 9
S 10	0 16 36	2°54'56	18°12	16°43	10° 6	19° 9	24°39	28°48	15°D24	21°18	23°10	28°54	0°23	25° 6	n.a.	S 10
S 11	0 20 33	3°55'50	1♑ 5	18°13	11°21	19°47	24°46	28°53	15°24	21°19	23°11	28°R55	0°19	25°13	n.a.	S 11
M12	0 24 30	4°56'45	14°23	19°43	12°37	20°25	24°54	28°59	15°24	21°20	23°13	28°54	0°16	25°19	n.a.	M12
T 13	0 28 26	5°57'41	28° 8	21°12	13°52	21° 3	25° 1	29° 4	15°24	21°20	23°15	28°52	0°13	25°26	n.a.	T 13
W14	0 32 23	6°58'38	12♒21	22°41	15° 7	21°41	25° 9	29° 9	15°25	21°21	23°16	28°48	0°10	25°33	n.a.	W14
T 15	0 36 19	7°59'35	27° 0	24° 9	16°22	22°19	25°16	29°14	15°25	21°22	23°18	28°41	0° 7	25°39	n.a.	T 15
F 16	0 40 16	9° 0'34	12♓ 2	25°37	17°38	22°57	25°24	29°19	15°25	21°23	23°19	28°34	0° 3	25°46	n.a.	F 16
S 17	0 44 12	10° 1'34	27°17	27° 4	18°53	23°35	25°32	29°25	15°25	21°24	23°21	28°26	0° 0	25°53	n.a.	S 17
S 18	0 48 9	11° 2'35	12♈35	28°31	20° 8	24°13	25°40	29°30	15°26	21°24	23°22	28°19	29♏57	26° 0	n.a.	S 18
M19	0 52 5	12° 3'37	27°45	29°56	21°24	24°51	25°48	29°36	15°26	21°25	23°24	28°13	29°54	26° 6	n.a.	M19
T 20	0 56 2	13° 4'40	12♉36	1♏21	22°39	25°29	25°57	29°41	15°27	21°26	23°26	28°10	29°51	26°13	n.a.	T 20
W21	0 59 59	14° 5'45	27° 3	2°45	23°54	26° 7	26° 5	29°47	15°27	21°26	23°27	28°D 9	29°48	26°20	n.a.	W21
T 22	1 3 55	15° 6'51	11♊ 2	4° 7	25°10	26°45	26°14	29°53	15°28	21°27	23°29	28°10	29°44	26°26	n.a.	T 22
F 23	1 7 52	16° 7'58	24°32	5°29	26°25	27°23	26°23	29°59	15°29	21°27	23°31	28°11	29°41	26°33	n.a.	F 23
S 24	1 11 48	17° 9'06	7♋36	6°48	27°41	28° 1	26°32	0♐ 4	15°29	21°28	23°33	28°13	29°38	26°40	n.a.	S 24
S 25	1 15 45	18°10'16	20°17	8° 6	28°56	28°39	26°41	0°10	15°30	21°28	23°34	28°R13	29°35	26°47	n.a.	S 25
M26	1 19 41	19°11'26	2♌39	9°22	0♎12	29°17	26°50	0°16	15°31	21°29	23°36	28°12	29°32	26°53	n.a.	M26
T 27	1 23 38	20°12'38	14°48	10°35	1°27	29°55	26°59	0°22	15°32	21°29	23°38	28° 9	29°29	27° 0	n.a.	T 27
W28	1 27 35	21°13'51	26°47	11°45	2°43	0♍33	27° 9	0°28	15°33	21°30	23°40	28° 4	29°25	27° 7	n.a.	W28
T 29	1 31 31	22°15'04	8♍40	12°52	3°58	1°11	27°19	0°34	15°34	21°30	23°42	27°58	29°22	27°13	n.a.	T 29
F 30	1 35 28	23°16'19	20°31	13°55	5°14	1°49	27°28	0°40	15°35	21°30	23°43	27°52	29°19	27°20	n.a.	F 30
S 31	1 39 24	24♎17'34	2♎22	14♏53	6♎29	2♍27	27♐38	0♐47	15♑36	21♋31	23♏45	27♏45	29♏16	27♍27	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	2n30	7n 2	5s 2	1s52	0s43	13n31	1n31	18n25	1n22	24s33	0s49	19s21	0n47	23s37	0s39	22n50	0n38	16s56	2n 0	20s31	20s43	1s56			n.a.
F 2	2 6	2 45	4 56	2 35	0 49	13 5	1 32	18 14	1 22	24 33	0 49	19 22	0 47	23 37	0 39	22 49	0 38	16 56	2 0	20 28	20 42	1 59			n.a.
S 3	1 41	1s37	4 36	3 18	0 55	12 38	1 33	18 2	1 23	24 33	0 49	19 24	0 46	23 37	0 39	22 49	0 38	16 57	1 59	20 25	20 42	2 1			n.a.
S 4	1 17	5 56	4 5	4 1	1 1	12 11	1 33	17 51	1 23	24 34	0 49	19 25	0 46	23 37	0 39	22 49	0 38	16 57	1 59	20 22	20 41	2 3			n.a.
M 5	0 52	10 2	3 23	4 44	1 8	11 44	1 34	17 40	1 23	24 34	0 49	19 26	0 46	23 37	0 39	22 49	0 39	16 58	1 59	20 20	20 40	2 6			n.a.
T 6	0 28	13 45	2 32	5 26	1 14	11 17	1 34	17 28	1 23	24 34	0 49	19 27	0 46	23 37	0 39	22 49	0 39	16 58	1 59	20 19	20 39	2 8			n.a.
W 7	0 3	16 57	1 33	6 7	1 19	10 49	1 34	17 17	1 24	24 34	0 48	19 28	0 46	23 37	0 39	22 49	0 39	16 59	1 59	20 18	20 39	2 11			n.a.
T 8	0s22	19 26	0 30	6 49	1 25	10 20	1 35	17 5	1 24	24 35	0 48	19 29	0 46	23 37	0 39	22 49	0 39	16 59	1 59	20 17	20 38	2 13			n.a.
F 9	0 46	21 3	0n36	7 30	1 31	9 52	1 35	16 53	1 24	24 35	0 48	19 31	0 46	23 37	0 39	22 48	0 39	17 0	1 59	20 17	20 37	2 15			n.a.
S 10	1 11	21 40	1 42	8 10	1 36	9 23	1 35	16 41	1 24	24 35	0 48	19 32	0 45	23 37	0 39	22 48	0 39	17 0	1 58	20 17	20 37	2 18			n.a.
S 11	1 35	21 9	2 44	8 50	1 41	8 54	1 35	16 29	1 24	24 35	0 48	19 33	0 45	23 37	0 38	22 48	0 39	17 1	1 58	20 18	20 36	2 20			n.a.
M12	2 0	19 28	3 39	9 29	1 46	8 25	1 35	16 17	1 25	24 36	0 48	19 34	0 45	23 37	0 38	22 48	0 39	17 1	1 58	20 18	20 35	2 22			n.a.
T 13	2 25	16 37	4 24	10 8	1 51	7 55	1 35	16 5	1 25	24 36	0 48	19 36	0 45	23 37	0 38	22 48	0 39	17 2	1 58	20 17	20 35	2 25			n.a.
W14	2 49	12 42	4 55	10 46	1 56	7 25	1 35	15 53	1 25	24 36	0 48	19 37	0 45	23 37	0 38	22 48	0 39	17 2	1 58	20 16	20 34	2 27			n.a.
T 15	3 14	7 56	5 7	11 24	2 0	6 55	1 34	15 40	1 25	24 36	0 48	19 38	0 45	23 37	0 38	22 48	0 39	17 3	1 58	20 15	20 33	2 29			n.a.
F 16	3 38	2 35	4 59	12 0	2 4	6 25	1 34	15 28	1 25	24 37	0 48	19 40	0 45	23 37	0 38	22 48	0 39	17 4	1 58	20 13	20 33	2 32			n.a.
S 17	4 3	3n 0	4 29	12 36	2 8	5 54	1 34	15 15	1 26	24 37	0 48	19 41	0 44	23 37	0 38	22 48	0 39	17 4	1 57	20 11	20 32	2 34			n.a.
S 18	4 27	8 26	3 41	13 11	2 11	5 24	1 33	15 2	1 26	24 37	0 48	19 42	0 44	23 37	0 38	22 48	0 39	17 5	1 57	20 10	20 31	2 37			n.a.
M19	4 51	13 18	2 37	13 45	2 15	4 53	1 32	14 50	1 26	24 37	0 48	19 44	0 44	23 37	0 38	22 47	0 39	17 5	1 57	20 8	20 31	2 39			n.a.
T 20	5 15	17 14	1 23	14 18	2 17	4 22	1 32	14 37	1 26	24 38	0 48	19 45	0 44	23 37	0 38	22 47	0 39	17 6	1 57	20 8	20 30	2 41			n.a.
W21	5 40	19 58	0 6	14 50	2 19	3 51	1 31	14 24	1 26	24 38	0 48	19 46	0 44	23 36	0 38	22 47	0 39	17 6	1 57	20 7	20 29	2 44			n.a.
T 22	6 4	21 23	1s 9	15 20	2 21	3 20	1 30	14 11	1 27	24 38	0 48	19 48	0 44	23 36	0 38	22 47	0 39	17 7	1 57	20 7	20 29	2 46			n.a.
F 23	6 28	21 28	2 18	15 50	2 23	2 49	1 30	13 58	1 27	24 38	0 48	19 49	0 44	23 36	0 38	22 47	0 39	17 7	1 57	20 8	20 28	2 48			n.a.
S 24	6 52	20 23	3 18	16 17	2 23	2 17	1 29	13 44	1 27	24 39	0 48	19 50	0 44	23 36	0 38	22 47	0 39	17 8	1 56	20 8	20 27	2 51			n.a.
S 25	7 15	18 17	4 5	16 44	2 23	1 46	1 28	13 31	1 27	24 39	0 48	19 52	0 44	23 36	0 38	22 47	0 39	17 8	1 56	20 8	20 26	2 53			n.a.
M26	7 39	15 23	4 41	17 8	2 23	1 15	1 27	13 18	1 27	24 39	0 48	19 53	0 43	23 36	0 38	22 47	0 39	17 9	1 56	20 8	20 26	2 55			n.a.
T 27	8 3	11 53	5 2	17 31	2 22	0 43	1 26	13 4	1 27	24 39	0 48	19 54	0 43	23 36	0 38	22 47	0 39	17 10	1 56	20 7	20 25	2 58			n.a.
W28	8 26	7 58	5 11	17 51	2 20	0 11	1 25	12 51	1 28	24 39	0 48	19 56	0 43	23 36	0 38	22 47	0 39	17 10	1 56	20 6	20 24	3 0			n.a.
T 29	8 49	3 46	5 5	18 10	2 17	0s20	1 23	12 37	1 28	24 40	0 48	19 57	0 43	23 36	0 38	22 47	0 39	17 11	1 56	20 5	20 24	3 2			n.a.
F 30	9 12	0s33	4 47	18 26	2 13	0 52	1 22	12 23	1 28	24 40	0 48	19 59	0 43	23 35	0 38	22 47	0 39	17 11	1 56	20 3	20 23	3 5			n.a.
S 31	9s35	4s52	4s16	18s39	2s 8	1s23	1n21	12n10	1n28	24s40	0s48	20s 0	0n43	23s35	0s38	22n47	0n39	17s12	1n56	20s 2	20s22	3s 7			n.a.

Julian Day Number = 1103328.5, Delta T = 11h00m23s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'57, Lahiri = -27°17'57 Julian Calendar 1 Oct. 1693 BCE == Greg. Calendar 17 Sept. 1693 BCE

The year -1692 astronomical counting style corresponds to year 1693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

NOVEMBER 1693 BCE (-1692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 43 21	25♎18'50	14♎15	15♏47	7♎45	3♍ 5	27♐48	0♐53	15♑37	21♋31	23♏47	27°R39	29♏13	27♍33	n.a.	S 1
M 2	1 47 17	26°20'07	26°12	16°35	9° 0	3°43	27°58	0°59	15°38	21°31	23°49	27♏34	29° 9	27°40	n.a.	M 2
T 3	1 51 14	27°21'24	8♏15	17°16	10°16	4°21	28° 8	1° 5	15°39	21°31	23°51	27°30	29° 6	27°47	n.a.	T 3
W 4	1 55 10	28°22'42	20°25	17°49	11°31	4°59	28°19	1°12	15°41	21°31	23°53	27°29	29° 3	27°54	n.a.	W 4
T 5	1 59 7	29°24'00	2♐44	18°15	12°47	5°37	28°29	1°18	15°42	21°31	23°55	27°D29	29° 0	28° 0	n.a.	T 5
F 6	2 3 4	0♏25'19	15°14	18°31	14° 2	6°15	28°40	1°25	15°43	21°31	23°57	27°30	28°57	28° 7	n.a.	F 6
S 7	2 7 0	1°26'38	27°57	18°R37	15°18	6°52	28°50	1°31	15°45	21°R31	23°59	27°31	28°54	28°14	n.a.	S 7
S 8	2 10 57	2°27'56	10♑56	18°32	16°33	7°30	29° 1	1°38	15°46	21°31	24° 1	27°33	28°50	28°20	n.a.	S 8
M 9	2 14 53	3°29'15	24°13	18°16	17°49	8° 8	29°12	1°44	15°48	21°31	24° 3	27°34	28°47	28°27	n.a.	M 9
T 10	2 18 50	4°30'34	7♒51	17°48	19° 5	8°46	29°23	1°51	15°49	21°31	24° 5	27°R34	28°44	28°34	n.a.	T 10
W11	2 22 46	5°31'53	21°51	17° 8	20°20	9°24	29°34	1°58	15°51	21°31	24° 7	27°34	28°41	28°41	n.a.	W11
T 12	2 26 43	6°33'11	6♓11	16°17	21°36	10° 1	29°45	2° 4	15°53	21°31	24° 9	27°32	28°38	28°47	n.a.	T 12
F 13	2 30 39	7°34'30	20°50	15°16	22°51	10°39	29°57	2°11	15°54	21°31	24°11	27°29	28°34	28°54	n.a.	F 13
S 14	2 34 36	8°35'48	5♈42	14° 6	24° 7	11°17	0♑ 8	2°18	15°56	21°31	24°13	27°27	28°31	29° 1	n.a.	S 14
S 15	2 38 33	9°37'06	20°41	12°50	25°22	11°55	0°20	2°24	15°58	21°30	24°15	27°24	28°28	29° 7	n.a.	S 15
M16	2 42 29	10°38'24	5♉37	11°29	26°38	12°33	0°31	2°31	16° 0	21°30	24°17	27°22	28°25	29°14	n.a.	M16
T 17	2 46 26	11°39'42	20°22	10° 8	27°53	13°10	0°43	2°38	16° 1	21°30	24°19	27°D22	28°22	29°21	n.a.	T 17
W18	2 50 22	12°41'00	4♊49	8°47	29° 8	13°48	0°55	2°45	16° 3	21°30	24°21	27°22	28°19	29°27	n.a.	W18
T 19	2 54 19	13°42'18	18°53	7°31	0♏24	14°26	1° 7	2°52	16° 5	21°29	24°23	27°22	28°15	29°34	n.a.	T 19
F 20	2 58 15	14°43'37	2♋31	6°20	1°39	15° 3	1°19	2°59	16° 7	21°29	24°25	27°23	28°12	29°41	n.a.	F 20
S 21	3 2 12	15°44'55	15°43	5°17	2°55	15°41	1°31	3° 6	16° 9	21°28	24°27	27°25	28° 9	29°48	n.a.	S 21
S 22	3 6 9	16°46'13	28°32	4°23	4°10	16°19	1°43	3°13	16°11	21°28	24°29	27°25	28° 6	29°54	n.a.	S 22
M23	3 10 5	17°47'31	11♌ 0	3°39	5°26	16°56	1°55	3°20	16°14	21°27	24°31	27°26	28° 3	0♎ 1	n.a.	M23
T 24	3 14 2	18°48'49	23°12	3° 6	6°41	17°34	2° 7	3°26	16°16	21°27	24°33	27°R26	28° 0	0° 8	n.a.	T 24
W25	3 17 58	19°50'07	5♍12	2°42	7°57	18°12	2°20	3°34	16°18	21°26	24°35	27°26	27°56	0°14	n.a.	W25
T 26	3 21 55	20°51'25	17° 4	2°28	9°12	18°49	2°32	3°41	16°20	21°26	24°37	27°25	27°53	0°21	n.a.	T 26
F 27	3 25 51	21°52'43	28°55	2°D24	10°28	19°27	2°44	3°48	16°22	21°25	24°39	27°24	27°50	0°28	n.a.	F 27
S 28	3 29 48	22°54'00	10♎46	2°28	11°43	20° 4	2°57	3°55	16°25	21°24	24°41	27°24	27°47	0°34	n.a.	S 28
S 29	3 33 44	23°55'17	22°42	2°41	12°58	20°42	3°10	4° 2	16°27	21°24	24°43	27°23	27°44	0°41	n.a.	S 29
M30	3 37 41	24♏56'34	4♏46	3♏ 1	14♏14	21♍20	3♑22	4♐ 9	16♑29	21♋23	24♏46	27♏23	27♏40	0♎48	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s58	9s 0	3s34	18s49	2s 3	1s55	1n19	11n56	1n28	24s40	0s48	20s 1	0n43	23s35	0s38	22n47	0n39	17s13	1n55	20s 0	20s22	3s 9		n.a.
M 2	10 21	12 49	2 43	18 57	1 56	2 27	1 18	11 42	1 28	24 40	0 48	20 3	0 43	23 35	0 38	22 47	0 39	17 13	1 55	19 59	20 21	3 12		n.a.
T 3	10 44	16 9	1 43	19 1	1 47	2 58	1 17	11 28	1 28	24 40	0 48	20 4	0 42	23 35	0 38	22 47	0 40	17 14	1 55	19 58	20 20	3 14		n.a.
W 4	11 6	18 49	0 39	19 2	1 38	3 30	1 15	11 14	1 29	24 41	0 48	20 6	0 42	23 35	0 38	22 47	0 40	17 14	1 55	19 58	20 19	3 16		n.a.
T 5	11 28	20 38	0n29	18 58	1 27	4 1	1 13	11 0	1 29	24 41	0 48	20 7	0 42	23 34	0 38	22 47	0 40	17 15	1 55	19 58	20 19	3 19		n.a.
F 6	11 50	21 28	1 36	18 51	1 15	4 32	1 12	10 46	1 29	24 41	0 48	20 9	0 42	23 34	0 38	22 47	0 40	17 16	1 55	19 58	20 18	3 21		n.a.
S 7	12 12	21 13	2 40	18 40	1 1	5 4	1 10	10 32	1 29	24 41	0 48	20 10	0 42	23 34	0 38	22 47	0 40	17 16	1 55	19 59	20 17	3 23		n.a.
S 8	12 33	19 50	3 37	18 23	0 45	5 35	1 8	10 17	1 29	24 41	0 48	20 12	0 42	23 34	0 38	22 47	0 40	17 17	1 55	19 59	20 17	3 26		n.a.
M 9	12 55	17 21	4 24	18 3	0 29	6 6	1 7	10 3	1 29	24 41	0 48	20 13	0 42	23 34	0 38	22 47	0 40	17 17	1 55	19 59	20 16	3 28		n.a.
T 10	13 16	13 52	4 57	17 38	0 11	6 37	1 5	9 49	1 29	24 41	0 48	20 14	0 42	23 33	0 38	22 47	0 40	17 18	1 54	19 59	20 15	3 30		n.a.
W11	13 37	9 33	5 14	17 8	0n 8	7 7	1 3	9 34	1 30	24 41	0 48	20 16	0 42	23 33	0 38	22 47	0 40	17 19	1 54	19 59	20 14	3 32		n.a.
T 12	13 57	4 36	5 12	16 34	0 28	7 38	1 1	9 20	1 30	24 41	0 48	20 17	0 42	23 33	0 38	22 47	0 40	17 19	1 54	19 59	20 14	3 35		n.a.
F 13	14 18	0n44	4 50	15 57	0 48	8 8	0 59	9 5	1 30	24 41	0 48	20 19	0 41	23 33	0 38	22 47	0 40	17 20	1 54	19 58	20 13	3 37		n.a.
S 14	14 38	6 5	4 8	15 17	1 9	8 38	0 57	8 51	1 30	24 41	0 48	20 20	0 41	23 32	0 38	22 47	0 40	17 20	1 54	19 58	20 12	3 39		n.a.
S 15	14 58	11 8	3 9	14 35	1 29	9 8	0 55	8 36	1 30	24 41	0 48	20 22	0 41	23 32	0 38	22 47	0 40	17 21	1 54	19 57	20 12	3 42		n.a.
M16	15 18	15 29	1 57	13 52	1 47	9 38	0 53	8 22	1 30	24 41	0 48	20 23	0 41	23 32	0 38	22 48	0 40	17 22	1 54	19 57	20 11	3 44		n.a.
T 17	15 37	18 48	0 39	13 9	2 5	10 8	0 51	8 7	1 30	24 41	0 48	20 25	0 41	23 32	0 38	22 48	0 40	17 22	1 54	19 56	20 10	3 46		n.a.
W18	15 56	20 49	0s41	12 29	2 21	10 37	0 49	7 52	1 30	24 41	0 48	20 26	0 41	23 31	0 37	22 48	0 40	17 23	1 54	19 56	20 9	3 49		n.a.
T 19	16 15	21 29	1 56	11 51	2 34	11 6	0 47	7 38	1 30	24 41	0 48	20 27	0 41	23 31	0 37	22 48	0 40	17 23	1 53	19 57	20 9	3 51		n.a.
F 20	16 34	20 49	3 3	11 17	2 46	11 35	0 45	7 23	1 30	24 41	0 48	20 29	0 41	23 31	0 37	22 48	0 40	17 24	1 53	19 57	20 8	3 53		n.a.
S 21	16 52	19 1	3 57	10 47	2 55	12 3	0 42	7 8	1 31	24 41	0 48	20 30	0 41	23 31	0 37	22 48	0 40	17 25	1 53	19 57	20 7	3 55		n.a.
S 22	17 10	16 19	4 38	10 23	3 1	12 31	0 40	6 53	1 31	24 40	0 48	20 32	0 41	23 30	0 37	22 48	0 40	17 25	1 53	19 57	20 7	3 58		n.a.
M23	17 27	12 55	5 4	10 4	3 6	12 59	0 38	6 38	1 31	24 40	0 48	20 33	0 40	23 30	0 37	22 48	0 40	17 26	1 53	19 57	20 6	4 0		n.a.
T 24	17 45	9 4	5 16	9 50	3 9	13 27	0 36	6 23	1 31	24 40	0 48	20 35	0 40	23 30	0 37	22 48	0 40	17 26	1 53	19 57	20 5	4 2		n.a.
W25	18 2	4 55	5 14	9 41	3 9	13 54	0 33	6 8	1 31	24 40	0 48	20 36	0 40	23 30	0 37	22 49	0 40	17 27	1 53	19 57	20 4	4 5		n.a.
T 26	18 18	0 37	4 59	9 37	3 8	14 21	0 31	5 54	1 31	24 40	0 48	20 38	0 40	23 29	0 37	22 49	0 40	17 28	1 53	19 57	20 4	4 7		n.a.
F 27	18 35	3s41	4 31	9 37	3 6	14 47	0 29	5 39	1 31	24 39	0 48	20 39	0 40	23 29	0 37	22 49	0 40	17 28	1 53	19 57	20 3	4 9		n.a.
S 28	18 51	7 52	3 51	9 42	3 3	15 13	0 26	5 24	1 31	24 39	0 48	20 40	0 40	23 29	0 37	22 49	0 40	17 29	1 52	19 57	20 2	4 11		n.a.
S 29	19 6	11 47	3 1	9 51	2 58	15 39	0 24	5 9	1 31	24 39	0 48	20 42	0 40	23 28	0 37	22 49	0 40	17 29	1 52	19 57	20 1	4 14		n.a.
M30	19s22	15s16	2s 2	10s 3	2n53	16s 4	0n22	4n53	1n31	24s39	0s48	20s43	0n40	23s28	0s37	22n49	0n40	17s30	1n52	19s57	20s 1	4s16		n.a.

Julian Day Number = 1103359.5, Delta T = 11h00m21s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'53, Lahiri = -27°17'53 Julian Calendar 1 Nov. 1693 BCE == Greg. Calendar 18 Oct. 1693 BCE

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ASTRODIENST EPHEMERIS for the year 1693 BCE
geocentric

DECEMBER 1693 BCE (-1692) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 41 38	25♏57'50	17♏ 0	3♏28	15♏29	21♍57	3♑35	4♐16	16♑32	21°R22	24♏48	27°R23	27♏37	0♎55	n.a.	T 1
W 2	3 45 34	26°59'06	29°24	4° 1	16°45	22°35	3°48	4°23	16°34	21♋21	24°50	27♏23	27°34	1° 1	n.a.	W 2
T 3	3 49 31	28° 0'21	12♐ 2	4°39	18° 0	23°12	4° 1	4°30	16°37	21°20	24°52	27°22	27°31	1° 8	n.a.	T 3
F 4	3 53 27	29° 1'35	24°52	5°23	19°15	23°49	4°14	4°37	16°39	21°20	24°54	27°22	27°28	1°15	n.a.	F 4
S 5	3 57 24	0♐ 2'49	7♑55	6°11	20°31	24°27	4°27	4°44	16°42	21°19	24°56	27°22	27°25	1°21	n.a.	S 5
S 6	4 1 20	1° 4'01	21°12	7° 3	21°46	25° 4	4°40	4°52	16°45	21°18	24°58	27°22	27°21	1°28	n.a.	S 6
M 7	4 5 17	2° 5'12	4♒42	7°58	23° 2	25°42	4°54	4°59	16°47	21°17	25° 0	27°21	27°18	1°35	n.a.	M 7
T 8	4 9 14	3° 6'23	18°26	8°57	24°17	26°19	5° 7	5° 6	16°50	21°16	25° 2	27°21	27°15	1°41	n.a.	T 8
W 9	4 13 10	4° 7'31	2♓22	9°59	25°32	26°56	5°20	5°13	16°53	21°15	25° 4	27°D21	27°12	1°48	n.a.	W 9
T 10	4 17 7	5° 8'39	16°30	11° 3	26°47	27°33	5°33	5°20	16°55	21°14	25° 6	27°21	27° 9	1°55	n.a.	T 10
F 11	4 21 3	6° 9'45	0♈48	12°10	28° 3	28°11	5°47	5°27	16°58	21°13	25° 8	27°21	27° 6	2° 2	n.a.	F 11
S 12	4 25 0	7°10'50	15°14	13°19	29°18	28°48	6° 0	5°35	17° 1	21°12	25°10	27°22	27° 2	2° 8	n.a.	S 12
S 13	4 28 56	8°11'54	29°43	14°30	0♗33	29°25	6°14	5°42	17° 4	21°11	25°12	27°23	26°59	2°15	n.a.	S 13
M14	4 32 53	9°12'57	14♉11	15°43	1°48	0♎ 2	6°27	5°49	17° 7	21°10	25°14	27°24	26°56	2°22	n.a.	M14
T 15	4 36 50	10°13'58	28°33	16°58	3° 4	0°39	6°41	5°56	17° 9	21° 8	25°16	27°R24	26°53	2°28	n.a.	T 15
W16	4 40 46	11°14'58	12♊43	18°14	4°19	1°17	6°55	6° 3	17°12	21° 7	25°18	27°24	26°50	2°35	n.a.	W16
T 17	4 44 43	12°15'57	26°37	19°31	5°34	1°54	7° 8	6°10	17°15	21° 6	25°20	27°22	26°46	2°42	n.a.	T 17
F 18	4 48 39	13°16'55	10♋12	20°50	6°49	2°31	7°22	6°17	17°18	21° 5	25°22	27°20	26°43	2°48	n.a.	F 18
S 19	4 52 36	14°17'51	23°26	22°10	8° 4	3° 8	7°36	6°25	17°21	21° 4	25°24	27°18	26°40	2°55	n.a.	S 19
S 20	4 56 32	15°18'47	6♌18	23°32	9°20	3°45	7°50	6°32	17°24	21° 2	25°26	27°15	26°37	3° 2	n.a.	S 20
M21	5 0 29	16°19'41	18°50	24°54	10°35	4°22	8° 4	6°39	17°27	21° 1	25°28	27°13	26°34	3° 9	n.a.	M21
T 22	5 4 25	17°20'34	1♍ 6	26°18	11°50	4°59	8°18	6°46	17°30	21° 0	25°30	27°11	26°31	3°15	n.a.	T 22
W23	5 8 22	18°21'26	13° 8	27°42	13° 5	5°36	8°32	6°53	17°33	20°58	25°32	27°D10	26°27	3°22	n.a.	W23
T 24	5 12 19	19°22'17	25° 2	29° 8	14°20	6°12	8°45	7° 0	17°37	20°57	25°34	27°10	26°24	3°29	n.a.	T 24
F 25	5 16 15	20°23'07	6♎53	0♗34	15°35	6°49	8°59	7° 7	17°40	20°56	25°36	27°11	26°21	3°35	n.a.	F 25
S 26	5 20 12	21°23'55	18°45	2° 2	16°50	7°26	9°14	7°14	17°43	20°54	25°38	27°13	26°18	3°42	n.a.	S 26
S 27	5 24 8	22°24'42	0♏43	3°30	18° 5	8° 3	9°28	7°21	17°46	20°53	25°40	27°14	26°15	3°49	n.a.	S 27
M28	5 28 5	23°25'28	12°51	4°59	19°21	8°40	9°42	7°28	17°49	20°51	25°42	27°16	26°12	3°55	n.a.	M28
T 29	5 32 1	24°26'12	25°13	6°29	20°36	9°16	9°56	7°35	17°52	20°50	25°44	27°R17	26° 8	4° 2	n.a.	T 29
W30	5 35 58	25°26'56	7♐51	8° 0	21°51	9°53	10°10	7°42	17°56	20°49	25°46	27°16	26° 5	4° 9	n.a.	W30
T 31	5 39 54	26♐27'37	20♐47	9♐32	23♐ 6	10♎29	10♑24	7♐49	17♑59	20♋47	25♏48	27♏14	26♏ 2	4♎16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	19s37	18s 8	0s57	10s18	2n47	16s29	0n19	4n38	1n31	24s38	0s48	20s45	0n40	23s28	0s37	22n49	0n40	17s31	1n52	19s57	20s 0	4s18			n.a.
W 2	19 51	20 13	0n11	10 35	2 40	16 53	0 17	4 23	1 31	24 38	0 48	20 46	0 40	23 27	0 37	22 50	0 40	17 31	1 52	19 57	19 59	4 20			n.a.
T 3	20 5	21 20	1 21	10 55	2 33	17 17	0 15	4 8	1 31	24 37	0 48	20 48	0 40	23 27	0 37	22 50	0 41	17 32	1 52	19 57	19 59	4 23			n.a.
F 4	20 19	21 21	2 27	11 17	2 26	17 40	0 12	3 53	1 31	24 37	0 48	20 49	0 40	23 27	0 37	22 50	0 41	17 32	1 52	19 57	19 58	4 25			n.a.
S 5	20 32	20 13	3 27	11 40	2 18	18 3	0 10	3 38	1 31	24 37	0 48	20 50	0 39	23 26	0 37	22 50	0 41	17 33	1 52	19 57	19 57	4 27			n.a.
S 6	20 46	17 58	4 16	12 5	2 10	18 26	0 7	3 23	1 31	24 36	0 48	20 52	0 39	23 26	0 37	22 50	0 41	17 34	1 52	19 56	19 56	4 30			n.a.
M 7	20 58	14 42	4 53	12 31	2 1	18 48	0 5	3 8	1 31	24 36	0 48	20 53	0 39	23 26	0 37	22 50	0 41	17 34	1 52	19 56	19 56	4 32			n.a.
T 8	21 10	10 37	5 14	12 58	1 53	19 9	0 3	2 53	1 31	24 35	0 48	20 55	0 39	23 25	0 37	22 51	0 41	17 35	1 52	19 56	19 55	4 34			n.a.
W 9	21 22	5 55	5 16	13 26	1 44	19 30	0 0	2 38	1 31	24 35	0 48	20 56	0 39	23 25	0 37	22 51	0 41	17 35	1 51	19 56	19 54	4 36			n.a.
T 10	21 34	0 50	5 0	13 55	1 36	19 51	0s 2	2 23	1 31	24 34	0 48	20 57	0 39	23 25	0 37	22 51	0 41	17 36	1 51	19 56	19 53	4 39			n.a.
F 11	21 45	4n22	4 25	14 24	1 27	20 10	0 5	2 8	1 31	24 34	0 48	20 59	0 39	23 24	0 37	22 51	0 41	17 37	1 51	19 56	19 53	4 41			n.a.
S 12	21 55	9 22	3 33	14 53	1 18	20 30	0 7	1 52	1 31	24 33	0 48	21 0	0 39	23 24	0 37	22 51	0 41	17 37	1 51	19 56	19 52	4 43			n.a.
S 13	22 5	13 52	2 28	15 23	1 10	20 48	0 9	1 37	1 31	24 32	0 48	21 1	0 39	23 23	0 37	22 52	0 41	17 38	1 51	19 57	19 51	4 45			n.a.
M14	22 15	17 33	1 13	15 53	1 1	21 6	0 12	1 22	1 31	24 32	0 48	21 3	0 39	23 23	0 37	22 52	0 41	17 38	1 51	19 57	19 50	4 48			n.a.
T 15	22 24	20 6	0s 6	16 23	0 52	21 24	0 14	1 7	1 31	24 31	0 48	21 4	0 39	23 23	0 37	22 52	0 41	17 39	1 51	19 57	19 50	4 50			n.a.
W16	22 33	21 22	1 24	16 53	0 44	21 40	0 16	0 52	1 31	24 30	0 48	21 5	0 39	23 22	0 37	22 52	0 41	17 39	1 51	19 57	19 49	4 52			n.a.
T 17	22 41	21 16	2 35	17 22	0 36	21 57	0 19	0 37	1 31	24 30	0 48	21 7	0 39	23 22	0 37	22 52	0 41	17 40	1 51	19 57	19 48	4 54			n.a.
F 18	22 49	19 55	3 35	17 52	0 27	22 12	0 21	0 22	1 31	24 29	0 48	21 8	0 39	23 21	0 37	22 53	0 41	17 41	1 51	19 56	19 47	4 57			n.a.
S 19	22 57	17 30	4 22	18 21	0 19	22 27	0 23	0 7	1 31	24 28	0 48	21 9	0 38	23 21	0 37	22 53	0 41	17 41	1 51	19 56	19 47	4 59			n.a.
S 20	23 4	14 18	4 55	18 50	0 11	22 41	0 26	0s 8	1 31	24 27	0 48	21 11	0 38	23 21	0 37	22 53	0 41	17 42	1 51	19 55	19 46	5 1			n.a.
M21	23 10	10 31	5 12	19 18	0 3	22 55	0 28	0 23	1 31	24 27	0 48	21 12	0 38	23 20	0 37	22 53	0 41	17 42	1 51	19 54	19 45	5 3			n.a.
T 22	23 16	6 23	5 15	19 46	0s 5	23 8	0 30	0 38	1 30	24 26	0 48	21 13	0 38	23 20	0 37	22 54	0 41	17 43	1 50	19 54	19 44	5 5			n.a.
W23	23 22	2 5	5 3	20 13	0 12	23 20	0 32	0 53	1 30	24 25	0 48	21 14	0 38	23 19	0 37	22 54	0 41	17 43	1 50	19 54	19 44	5 8			n.a.
T 24	23 27	2s15	4 39	20 40	0 20	23 31	0 34	1 8	1 30	24 24	0 48	21 16	0 38	23 19	0 37	22 54	0 41	17 44	1 50	19 54	19 43	5 10			n.a.
F 25	23 32	6 29	4 3	21 5	0 27	23 42	0 37	1 23	1 30	24 23	0 49	21 17	0 38	23 19	0 37	22 54	0 41	17 44	1 50	19 54	19 42	5 12			n.a.
S 26	23 36	10 30	3 16	21 30	0 34	23 52	0 39	1 38	1 30	24 22	0 49	21 18	0 38	23 18	0 37	22 54	0 41	17 45	1 50	19 54	19 41	5 14			n.a.
S 27	23 40	14 8	2 21	21 55	0 41	24 1	0 41	1 53	1 30	24 21	0 49	21 19	0 38	23 18	0 37	22 55	0 41	17 45	1 50	19 55	19 41	5 17			n.a.
M28	23 43	17 14	1 19	22 18	0 47	24 10	0 43	2 8	1 30	24 20	0 49	21 21	0 38	23 17	0 37	22 55	0 41	17 46	1 50	19 55	19 40	5 19			n.a.
T 29	23 46	19 37	0 11	22 41	0 54	24 18	0 45	2 22	1 29	24 19	0 49	21 22	0 38	23 17	0 37	22 55	0 41	17 46	1 50	19 55	19 39	5 21			n.a.
W30	23 49	21 5	0n58	23 2	1 0	24 25	0 47	2 37	1 29	24 18	0 49	21 23	0 38	23 16	0 37	22 55	0 41	17 47	1 50	19 55	19 38	5 23			n.a.
T 31	23s50	21s29	2n 5	23s23	1s 6	24s31	0s49	2s52	1n29	24s17	0s49	21s24	0n38	23s16	0s37	22n56	0n41	17s47	1n50	19s55	19s38	5s25			n.a.

Julian Day Number = 1103389.5, Delta T = 11h00m19s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'49, Lahiri = -27°17'49 Julian Calendar 1 Dec. 1693 BCE == Greg. Calendar 17 Nov. 1693 BCE

The year -1692 astronomical counting style corresponds to year 1693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

JANUARY 1692 BCE (-1691) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 43 51	27♐28'17	4♑ 1	11♐ 5	24♐21	11♎ 6	10♑38	7♐56	18♑ 2	20°R46	25♏49	27°R11	25♏59	4♎22	n.a.	F 1
S 2	5 47 48	28°28'55	17°31	12°38	25°36	11°43	10°53	8° 3	18° 5	20♋44	25°51	27♏ 6	25°56	4°29	n.a.	S 2
S 3	5 51 44	29°29'32	1♒15	14°13	26°51	12°19	11° 7	8°10	18° 9	20°43	25°53	27° 1	25°52	4°36	n.a.	S 3
M 4	5 55 41	0♑30'06	15°10	15°48	28° 6	12°55	11°21	8°16	18°12	20°41	25°55	26°56	25°49	4°42	n.a.	M 4
T 5	5 59 37	1°30'38	29°12	17°24	29°21	13°32	11°35	8°23	18°15	20°40	25°57	26°51	25°46	4°49	n.a.	T 5
W 6	6 3 34	2°31'09	13♓20	19° 1	0♑36	14° 8	11°50	8°30	18°19	20°38	25°58	26°48	25°43	4°56	n.a.	W 6
T 7	6 7 30	3°31'37	27°29	20°39	1°51	14°44	12° 4	8°37	18°22	20°36	26° 0	26°D47	25°40	5° 2	n.a.	T 7
F 8	6 11 27	4°32'03	11♈38	22°18	3° 5	15°20	12°18	8°43	18°25	20°35	26° 2	26°47	25°37	5° 9	n.a.	F 8
S 9	6 15 23	5°32'27	25°46	23°58	4°20	15°57	12°33	8°50	18°29	20°33	26° 4	26°48	25°33	5°16	n.a.	S 9
S 10	6 19 20	6°32'49	9♉50	25°38	5°35	16°33	12°47	8°57	18°32	20°32	26° 5	26°49	25°30	5°22	n.a.	S 10
M11	6 23 17	7°33'08	23°49	27°20	6°50	17° 9	13° 1	9° 3	18°35	20°30	26° 7	26°R50	25°27	5°29	n.a.	M11
T 12	6 27 13	8°33'26	7♊42	29° 3	8° 5	17°45	13°16	9°10	18°39	20°28	26° 9	26°50	25°24	5°36	n.a.	T 12
W13	6 31 10	9°33'41	21°26	0♑46	9°20	18°21	13°30	9°16	18°42	20°27	26°10	26°47	25°21	5°43	n.a.	W13
T 14	6 35 6	10°33'55	4♋59	2°31	10°35	18°57	13°45	9°23	18°46	20°25	26°12	26°43	25°18	5°49	n.a.	T 14
F 15	6 39 3	11°34'06	18°18	4°16	11°49	19°32	13°59	9°29	18°49	20°24	26°13	26°36	25°14	5°56	n.a.	F 15
S 16	6 42 59	12°34'16	1♌21	6° 3	13° 4	20° 8	14°13	9°36	18°52	20°22	26°15	26°28	25°11	6° 3	n.a.	S 16
S 17	6 46 56	13°34'23	14° 8	7°51	14°19	20°44	14°28	9°42	18°56	20°20	26°16	26°19	25° 8	6° 9	n.a.	S 17
M18	6 50 52	14°34'29	26°38	9°39	15°34	21°19	14°42	9°49	18°59	20°19	26°18	26°11	25° 5	6°16	n.a.	M18
T 19	6 54 49	15°34'32	8♍53	11°29	16°48	21°55	14°57	9°55	19° 3	20°17	26°19	26° 3	25° 2	6°23	n.a.	T 19
W20	6 58 46	16°34'34	20°56	13°20	18° 3	22°31	15°11	10° 1	19° 6	20°15	26°21	25°58	24°58	6°29	n.a.	W20
T 21	7 2 42	17°34'34	2♎50	15°12	19°18	23° 6	15°25	10° 7	19° 9	20°14	26°22	25°54	24°55	6°36	n.a.	T 21
F 22	7 6 39	18°34'32	14°41	17° 5	20°33	23°41	15°40	10°13	19°13	20°12	26°24	25°D53	24°52	6°43	n.a.	F 22
S 23	7 10 35	19°34'28	26°32	18°58	21°47	24°17	15°54	10°20	19°16	20°10	26°25	25°53	24°49	6°49	n.a.	S 23
S 24	7 14 32	20°34'23	8♏30	20°53	23° 2	24°52	16° 9	10°26	19°20	20° 9	26°27	25°54	24°46	6°56	n.a.	S 24
M25	7 18 28	21°34'16	20°39	22°49	24°17	25°27	16°23	10°32	19°23	20° 7	26°28	25°R55	24°43	7° 3	n.a.	M25
T 26	7 22 25	22°34'07	3♐ 4	24°45	25°31	26° 2	16°37	10°38	19°27	20° 5	26°29	25°55	24°39	7°10	n.a.	T 26
W27	7 26 21	23°33'55	15°50	26°42	26°46	26°37	16°52	10°43	19°30	20° 4	26°31	25°53	24°36	7°16	n.a.	W27
T 28	7 30 18	24°33'42	28°58	28°40	28° 0	27°12	17° 6	10°49	19°33	20° 2	26°32	25°48	24°33	7°23	n.a.	T 28
F 29	7 34 15	25°33'27	12♑30	0♒38	29°15	27°47	17°20	10°55	19°37	20° 0	26°33	25°42	24°30	7°30	n.a.	F 29
S 30	7 38 11	26°33'10	26°23	2°37	0♒30	28°22	17°35	11° 1	19°40	19°59	26°35	25°33	24°27	7°36	n.a.	S 30
S 31	7 42 8	27♑32'51	10♒35	4♒35	1♒44	28♎56	17♑49	11♐ 7	19♑44	19♋57	26♏36	25♏23	24♏23	7♎43	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s52	20s42	3n 8	23s42	1s11	24s37	0s51	3s 7	1n29	24s16	0s49	21s25	0n38	23s15	0s37	22n56	0n41	17s48	1n50	19s54	19s37	5s28		n.a.
S 2	23 53	18 44	4 1	24 0	1 17	24 41	0 52	3 21	1 29	24 15	0 49	21 27	0 38	23 15	0 37	22 56	0 41	17 48	1 50	19 53	19 36	5 30		n.a.
S 3	23 53	15 42	4 41	24 18	1 22	24 45	0 54	3 36	1 29	24 14	0 49	21 28	0 38	23 15	0 37	22 56	0 41	17 49	1 50	19 52	19 35	5 32		n.a.
M 4	23 53	11 44	5 5	24 33	1 27	24 49	0 56	3 51	1 28	24 13	0 49	21 29	0 37	23 14	0 37	22 57	0 41	17 49	1 50	19 50	19 34	5 34		n.a.
T 5	23 53	7 7	5 11	24 48	1 31	24 51	0 58	4 5	1 28	24 11	0 49	21 30	0 37	23 14	0 37	22 57	0 41	17 50	1 49	19 49	19 34	5 36		n.a.
W 6	23 52	2 5	4 59	25 1	1 36	24 53	0 59	4 20	1 28	24 10	0 49	21 31	0 37	23 13	0 37	22 57	0 41	17 50	1 49	19 49	19 33	5 39		n.a.
T 7	23 50	3n 4	4 28	25 13	1 40	24 54	1 1	4 34	1 28	24 9	0 49	21 32	0 37	23 13	0 37	22 58	0 41	17 51	1 49	19 48	19 32	5 41		n.a.
F 8	23 49	8 4	3 41	25 23	1 43	24 54	1 3	4 49	1 27	24 8	0 49	21 33	0 37	23 12	0 37	22 58	0 41	17 51	1 49	19 48	19 31	5 43		n.a.
S 9	23 46	12 38	2 41	25 32	1 47	24 53	1 4	5 3	1 27	24 6	0 49	21 35	0 37	23 12	0 37	22 58	0 41	17 52	1 49	19 48	19 31	5 45		n.a.
S 10	23 43	16 28	1 31	25 39	1 50	24 52	1 6	5 17	1 27	24 5	0 50	21 36	0 37	23 11	0 37	22 58	0 42	17 52	1 49	19 49	19 30	5 47		n.a.
M11	23 40	19 21	0 16	25 44	1 53	24 50	1 7	5 32	1 27	24 4	0 50	21 37	0 37	23 11	0 37	22 59	0 42	17 53	1 49	19 49	19 29	5 50		n.a.
T 12	23 36	21 2	0s59	25 48	1 55	24 47	1 9	5 46	1 26	24 2	0 50	21 38	0 37	23 10	0 37	22 59	0 42	17 53	1 49	19 49	19 28	5 52		n.a.
W13	23 32	21 27	2 9	25 50	1 57	24 43	1 10	6 0	1 26	24 1	0 50	21 39	0 37	23 10	0 37	22 59	0 42	17 54	1 49	19 48	19 28	5 54		n.a.
T 14	23 28	20 36	3 12	25 50	1 58	24 39	1 11	6 14	1 26	23 59	0 50	21 40	0 37	23 9	0 37	22 59	0 42	17 54	1 49	19 47	19 27	5 56		n.a.
F 15	23 23	18 37	4 2	25 48	1 59	24 33	1 13	6 28	1 25	23 58	0 50	21 41	0 37	23 9	0 37	23 0	0 42	17 55	1 49	19 46	19 26	5 58		n.a.
S 16	23 17	15 42	4 39	25 45	2 0	24 27	1 14	6 42	1 25	23 57	0 50	21 42	0 37	23 8	0 37	23 0	0 42	17 55	1 49	19 44	19 25	6 0		n.a.
S 17	23 11	12 6	5 1	25 39	2 0	24 21	1 15	6 56	1 25	23 55	0 50	21 43	0 37	23 8	0 37	23 0	0 42	17 55	1 49	19 42	19 24	6 3		n.a.
M18	23 5	8 4	5 7	25 31	2 0	24 13	1 16	7 10	1 24	23 54	0 50	21 44	0 37	23 7	0 37	23 0	0 42	17 56	1 49	19 40	19 24	6 5		n.a.
T 19	22 58	3 46	5 0	25 22	1 59	24 5	1 17	7 24	1 24	23 52	0 50	21 45	0 37	23 7	0 37	23 1	0 42	17 56	1 49	19 38	19 23	6 7		n.a.
W20	22 50	0s36	4 39	25 10	1 58	23 56	1 18	7 38	1 24	23 50	0 50	21 46	0 37	23 6	0 37	23 1	0 42	17 57	1 49	19 37	19 22	6 9		n.a.
T 21	22 43	4 54	4 6	24 56	1 56	23 46	1 19	7 52	1 23	23 49	0 50	21 47	0 37	23 6	0 37	23 1	0 42	17 57	1 49	19 36	19 21	6 11		n.a.
F 22	22 34	9 0	3 23	24 39	1 54	23 36	1 20	8 5	1 23	23 47	0 51	21 48	0 37	23 5	0 37	23 2	0 42	17 57	1 49	19 35	19 21	6 13		n.a.
S 23	22 26	12 46	2 31	24 21	1 51	23 25	1 21	8 19	1 22	23 46	0 51	21 49	0 37	23 5	0 37	23 2	0 42	17 58	1 48	19 35	19 20	6 16		n.a.
S 24	22 17	16 3	1 32	24 0	1 47	23 13	1 21	8 32	1 22	23 44	0 51	21 50	0 37	23 4	0 37	23 2	0 42	17 58	1 48	19 36	19 19	6 18		n.a.
M25	22 7	18 42	0 28	23 37	1 43	23 1	1 22	8 46	1 21	23 42	0 51	21 51	0 37	23 4	0 37	23 2	0 42	17 59	1 48	19 36	19 18	6 20		n.a.
T 26	21 58	20 32	0n38	23 12	1 39	22 47	1 23	8 59	1 21	23 41	0 51	21 52	0 36	23 3	0 37	23 3	0 42	17 59	1 48	19 36	19 17	6 22		n.a.
W27	21 47	21 23	1 45	22 44	1 33	22 33	1 23	9 13	1 20	23 39	0 51	21 52	0 36	23 3	0 37	23 3	0 42	17 59	1 48	19 35	19 17	6 24		n.a.
T 28	21 37	21 6	2 47	22 15	1 28	22 19	1 24	9 26	1 20	23 37	0 51	21 53	0 36	23 2	0 37	23 3	0 42	18 0	1 48	19 34	19 16	6 26		n.a.
F 29	21 26	19 36	3 42	21 43	1 21	22 4	1 24	9 39	1 19	23 35	0 51	21 54	0 36	23 2	0 37	23 3	0 42	18 0	1 48	19 33	19 15	6 29		n.a.
S 30	21 14	16 56	4 26	21 9	1 14	21 48	1 24	9 52	1 19	23 33	0 51	21 55	0 36	23 1	0 37	23 4	0 42	18 0	1 48	19 30	19 14	6 31		n.a.
S 31	21s 3	13s13	4n54	20s33	1s 6	21s31	1s25	10s 5	1n18	23s32	0s51	21s56	0n36	23s 1	0s37	23n 4	0n42	18s 1	1n48	19s28	19s13	6s33		n.a.

Julian Day Number = 1103420.5, Delta T = 11h00m18s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'45, Lahiri = -27°17'44 Julian Calendar 1 Jan. 1692 BCE == Greg. Calendar 18 Dec. 1693 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

FEBRUARY 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 46 4	28♉32'29	24♒58	6♒34	2♒59	29♎31	18♉ 3	11♐12	19♉47	19°R55	26♏37	25°R12	24♏20	7♎50	n.a.	M 1
T 2	7 50 1	29°32'05	9♓28	8°32	4°13	0♏ 6	18°17	11°18	19°50	19♋54	26°38	25♏ 3	24°17	7°56	n.a.	T 2
W 3	7 53 57	0♒31'39	23°58	10°30	5°28	0°40	18°32	11°23	19°54	19°52	26°39	24°56	24°14	8° 3	n.a.	W 3
T 4	7 57 54	1°31'10	8♈22	12°27	6°42	1°14	18°46	11°29	19°57	19°50	26°40	24°52	24°11	8°10	n.a.	T 4
F 5	8 1 50	2°30'38	22°37	14°22	7°57	1°48	19° 0	11°34	20° 1	19°49	26°41	24°50	24° 8	8°16	n.a.	F 5
S 6	8 5 47	3°30'04	6♉40	16°15	9°11	2°22	19°14	11°39	20° 4	19°47	26°42	24°D49	24° 4	8°23	n.a.	S 6
S 7	8 9 43	4°29'28	20°32	18° 7	10°26	2°56	19°28	11°45	20° 7	19°46	26°44	24°R50	24° 1	8°30	n.a.	S 7
M 8	8 13 40	5°28'49	4♊13	19°56	11°40	3°30	19°43	11°50	20°11	19°44	26°45	24°49	23°58	8°36	n.a.	M 8
T 9	8 17 37	6°28'08	17°43	21°42	12°54	4° 4	19°57	11°55	20°14	19°42	26°45	24°47	23°55	8°43	n.a.	T 9
W10	8 21 33	7°27'24	1♋ 2	23°24	14° 9	4°38	20°11	12° 0	20°17	19°41	26°46	24°43	23°52	8°50	n.a.	W10
T 11	8 25 30	8°26'38	14°10	25° 3	15°23	5°11	20°25	12° 5	20°21	19°39	26°47	24°35	23°49	8°57	n.a.	T 11
F 12	8 29 26	9°25'49	27° 7	26°37	16°37	5°45	20°39	12°10	20°24	19°38	26°48	24°25	23°45	9° 3	n.a.	F 12
S 13	8 33 23	10°24'58	9♌53	28° 7	17°52	6°18	20°53	12°15	20°27	19°36	26°49	24°13	23°42	9°10	n.a.	S 13
S 14	8 37 19	11°24'05	22°26	29°31	19° 6	6°51	21° 7	12°20	20°30	19°35	26°50	24° 0	23°39	9°17	n.a.	S 14
M15	8 41 16	12°23'10	4♍48	0♓50	20°20	7°25	21°21	12°25	20°34	19°33	26°51	23°47	23°36	9°23	n.a.	M15
T 16	8 45 12	13°22'13	16°57	2° 4	21°35	7°58	21°35	12°29	20°37	19°32	26°52	23°35	23°33	9°30	n.a.	T 16
W17	8 49 9	14°21'13	28°57	3°11	22°49	8°30	21°48	12°34	20°40	19°30	26°52	23°25	23°29	9°37	n.a.	W17
T 18	8 53 5	15°20'12	10♎50	4°12	24° 3	9° 3	22° 2	12°38	20°43	19°29	26°53	23°18	23°26	9°43	n.a.	T 18
F 19	8 57 2	16°19'08	22°39	5° 7	25°17	9°36	22°16	12°43	20°47	19°27	26°54	23°14	23°23	9°50	n.a.	F 19
S 20	9 0 59	17°18'03	4♏29	5°55	26°31	10° 8	22°30	12°47	20°50	19°26	26°54	23°12	23°20	9°57	n.a.	S 20
S 21	9 4 55	18°16'56	16°25	6°37	27°45	10°41	22°43	12°51	20°53	19°24	26°55	23°12	23°17	10° 3	n.a.	S 21
M22	9 8 52	19°15'47	28°32	7°11	29° 0	11°13	22°57	12°56	20°56	19°23	26°56	23°12	23°14	10°10	n.a.	M22
T 23	9 12 48	20°14'36	10♐57	7°39	0♓14	11°45	23°11	13° 0	20°59	19°21	26°56	23°11	23°10	10°17	n.a.	T 23
W24	9 16 45	21°13'23	23°43	8° 0	1°28	12°17	23°24	13° 4	21° 2	19°20	26°57	23° 8	23° 7	10°23	n.a.	W24
T 25	9 20 41	22°12'08	6♉55	8°14	2°42	12°49	23°38	13° 8	21° 5	19°19	26°57	23° 3	23° 4	10°30	n.a.	T 25
F 26	9 24 38	23°10'52	20°34	8°21	3°56	13°20	23°51	13°12	21° 8	19°17	26°58	22°56	23° 1	10°37	n.a.	F 26
S 27	9 28 34	24° 9'33	4♒41	8°R22	5°10	13°52	24° 5	13°15	21°11	19°16	26°58	22°46	22°58	10°43	n.a.	S 27
S 28	9 32 31	25♒ 8'12	19♒10	8♓16	6♓24	14♏23	24♉18	13♐19	21♉14	19♋15	26♏59	22♏34	22♏55	10♎50	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20s50	8s41	5n 3	19s55	0s58	21s14	1s25	10s18	1n18	23s30	0s52	21s57	0n36	23s 0	0s37	23n 4	0n42	18s 1	1n48	19s26	19s13	6s35		n.a.
T 2	20 38	3 38	4 54	19 15	0 49	20 57	1 25	10 31	1 17	23 28	0 52	21 58	0 36	23 0	0 37	23 4	0 42	18 1	1 48	19 23	19 12	6 37		n.a.
W 3	20 25	1n37	4 26	18 33	0 39	20 38	1 25	10 44	1 17	23 26	0 52	21 58	0 36	22 59	0 37	23 5	0 42	18 2	1 48	19 22	19 11	6 39		n.a.
T 4	20 12	6 45	3 41	17 51	0 29	20 19	1 25	10 56	1 16	23 24	0 52	21 59	0 36	22 59	0 37	23 5	0 42	18 2	1 48	19 20	19 10	6 41		n.a.
F 5	19 58	11 28	2 43	17 7	0 18	20 0	1 25	11 9	1 15	23 22	0 52	22 0	0 36	22 59	0 37	23 5	0 42	18 2	1 48	19 20	19 9	6 44		n.a.
S 6	19 44	15 29	1 35	16 22	0 6	19 40	1 25	11 21	1 15	23 20	0 52	22 1	0 36	22 58	0 37	23 5	0 42	18 2	1 48	19 20	19 9	6 46		n.a.
S 7	19 30	18 35	0 23	15 36	0n 5	19 19	1 25	11 34	1 14	23 18	0 52	22 1	0 36	22 58	0 37	23 6	0 42	18 3	1 48	19 20	19 8	6 48		n.a.
M 8	19 15	20 34	0s50	14 50	0 18	18 58	1 25	11 46	1 13	23 16	0 52	22 2	0 36	22 57	0 37	23 6	0 42	18 3	1 48	19 20	19 7	6 50		n.a.
T 9	19 0	21 21	1 58	14 4	0 30	18 36	1 25	11 59	1 13	23 14	0 52	22 3	0 36	22 57	0 37	23 6	0 42	18 3	1 48	19 19	19 6	6 52		n.a.
W10	18 45	20 54	2 59	13 18	0 43	18 14	1 24	12 11	1 12	23 12	0 53	22 4	0 36	22 56	0 37	23 6	0 42	18 4	1 48	19 18	19 5	6 54		n.a.
T 11	18 30	19 19	3 50	12 32	0 56	17 52	1 24	12 23	1 11	23 10	0 53	22 4	0 36	22 56	0 37	23 7	0 42	18 4	1 48	19 16	19 5	6 56		n.a.
F 12	18 14	16 45	4 28	11 48	1 9	17 28	1 24	12 35	1 10	23 8	0 53	22 5	0 36	22 55	0 37	23 7	0 42	18 4	1 47	19 14	19 4	6 58		n.a.
S 13	17 58	13 26	4 51	11 4	1 22	17 5	1 23	12 47	1 10	23 6	0 53	22 6	0 36	22 55	0 37	23 7	0 42	18 4	1 47	19 11	19 3	7 0		n.a.
S 14	17 41	9 34	5 1	10 22	1 35	16 41	1 22	12 59	1 9	23 4	0 53	22 6	0 36	22 54	0 37	23 7	0 42	18 5	1 47	19 7	19 2	7 3		n.a.
M15	17 24	5 22	4 55	9 42	1 48	16 16	1 22	13 10	1 8	23 2	0 53	22 7	0 36	22 54	0 37	23 8	0 42	18 5	1 47	19 4	19 1	7 5		n.a.
T 16	17 7	1 1	4 36	9 4	2 1	15 51	1 21	13 22	1 7	23 0	0 53	22 8	0 36	22 53	0 37	23 8	0 42	18 5	1 47	19 1	19 1	7 7		n.a.
W17	16 50	3s19	4 6	8 28	2 13	15 26	1 20	13 34	1 6	22 58	0 53	22 8	0 36	22 53	0 37	23 8	0 42	18 5	1 47	18 59	19 0	7 9		n.a.
T 18	16 32	7 29	3 24	7 55	2 24	15 0	1 20	13 45	1 5	22 56	0 54	22 9	0 36	22 52	0 37	23 8	0 42	18 5	1 47	18 57	18 59	7 11		n.a.
F 19	16 15	11 21	2 34	7 24	2 35	14 34	1 19	13 57	1 4	22 54	0 54	22 9	0 36	22 52	0 37	23 8	0 42	18 6	1 47	18 56	18 58	7 13		n.a.
S 20	15 56	14 47	1 37	6 57	2 46	14 7	1 18	14 8	1 3	22 52	0 54	22 10	0 36	22 51	0 37	23 9	0 42	18 6	1 47	18 55	18 57	7 15		n.a.
S 21	15 38	17 38	0 36	6 33	2 55	13 41	1 17	14 19	1 2	22 49	0 54	22 11	0 36	22 51	0 37	23 9	0 42	18 6	1 47	18 55	18 57	7 17		n.a.
M22	15 19	19 45	0n28	6 12	3 4	13 13	1 16	14 30	1 1	22 47	0 54	22 11	0 36	22 50	0 37	23 9	0 42	18 6	1 47	18 55	18 56	7 19		n.a.
T 23	15 1	20 59	1 33	5 54	3 12	12 46	1 15	14 41	1 0	22 45	0 54	22 12	0 36	22 50	0 37	23 9	0 42	18 6	1 47	18 55	18 55	7 21		n.a.
W24	14 42	21 10	2 34	5 40	3 18	12 18	1 13	14 52	0 59	22 43	0 54	22 12	0 36	22 49	0 37	23 9	0 42	18 7	1 47	18 54	18 54	7 24		n.a.
T 25	14 22	20 13	3 29	5 30	3 24	11 49	1 12	15 3	0 58	22 41	0 55	22 13	0 36	22 49	0 37	23 10	0 42	18 7	1 47	18 53	18 53	7 26		n.a.
F 26	14 3	18 5	4 15	5 23	3 28	11 21	1 11	15 14	0 57	22 38	0 55	22 13	0 36	22 48	0 37	23 10	0 42	18 7	1 47	18 51	18 52	7 28		n.a.
S 27	13 43	14 50	4 46	5 20	3 31	10 52	1 9	15 24	0 56	22 36	0 55	22 14	0 36	22 48	0 37	23 10	0 42	18 7	1 47	18 49	18 52	7 30		n.a.
S 28	13s23	10s36	5n 0	5s21	3n33	10s23	1s 8	15s35	0n55	22s34	0s55	22s14	0n35	22s47	0s37	23n10	0n42	18s 7	1n47	18s46	18s51	7s32		n.a.

Julian Day Number = 1103451.5, Delta T = 11h00m16s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'41, Lahiri = -27°17'40 Julian Calendar 1 Feb. 1692 BCE == Greg. Calendar 18 Jan. 1692 BCE

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

MARCH 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 36 27	26♒ 6'49	3♓57	8°R 4	7♓38	14♏54	24♑31	13♐23	21♑17	19°R14	26♏59	22°R23	22♏51	10♎57	n.a.	M 1
T 2	9 40 24	27° 5'24	18°52	7♓47	8°52	15°25	24°45	13°26	21°20	19♋12	26°59	22♏12	22°48	11° 4	n.a.	T 2
W 3	9 44 21	28° 3'57	3♈46	7°24	10° 6	15°55	24°58	13°30	21°23	19°11	27° 0	22° 4	22°45	11°10	n.a.	W 3
T 4	9 48 17	29° 2'28	18°31	6°56	11°20	16°26	25°11	13°33	21°26	19°10	27° 0	21°58	22°42	11°17	n.a.	T 4
F 5	9 52 14	0♓ 0'56	3♉ 2	6°24	12°34	16°56	25°24	13°37	21°29	19° 9	27° 0	21°55	22°39	11°24	n.a.	F 5
S 6	9 56 10	0°59'22	17°14	5°49	13°48	17°26	25°37	13°40	21°32	19° 8	27° 1	21°D55	22°35	11°30	n.a.	S 6
S 7	10 0 7	1°57'46	1♊ 7	5°10	15° 2	17°56	25°50	13°43	21°34	19° 6	27° 1	21°R55	22°32	11°37	n.a.	S 7
M 8	10 4 3	2°56'07	14°42	4°30	16°15	18°26	26° 3	13°46	21°37	19° 5	27° 1	21°54	22°29	11°44	n.a.	M 8
T 9	10 8 0	3°54'26	28° 0	3°48	17°29	18°55	26°16	13°49	21°40	19° 4	27° 1	21°52	22°26	11°50	n.a.	T 9
W10	10 11 56	4°52'43	11♋ 3	3° 5	18°43	19°25	26°28	13°52	21°43	19° 3	27° 1	21°48	22°23	11°57	n.a.	W10
T 11	10 15 53	5°50'58	23°53	2°23	19°57	19°54	26°41	13°55	21°45	19° 2	27° 1	21°41	22°20	12° 4	n.a.	T 11
F 12	10 19 50	6°49'10	6♌31	1°42	21°10	20°23	26°54	13°57	21°48	19° 1	27° 1	21°31	22°16	12°10	n.a.	F 12
S 13	10 23 46	7°47'21	18°59	1° 3	22°24	20°51	27° 6	14° 0	21°51	19° 0	27° 1	21°19	22°13	12°17	n.a.	S 13
S 14	10 27 43	8°45'29	1♍17	0°25	23°38	21°20	27°19	14° 3	21°53	18°59	27°R 1	21° 6	22°10	12°24	n.a.	S 14
M15	10 31 39	9°43'35	13°27	29♒51	24°51	21°48	27°31	14° 5	21°56	18°58	27° 1	20°54	22° 7	12°30	n.a.	M15
T 16	10 35 36	10°41'40	25°28	29°20	26° 5	22°16	27°44	14° 7	21°58	18°57	27° 1	20°42	22° 4	12°37	n.a.	T 16
W17	10 39 32	11°39'43	7♎23	28°53	27°19	22°44	27°56	14°10	22° 1	18°56	27° 1	20°33	22° 0	12°44	n.a.	W17
T 18	10 43 29	12°37'44	19°13	28°30	28°32	23°11	28° 8	14°12	22° 3	18°56	27° 1	20°26	21°57	12°50	n.a.	T 18
F 19	10 47 25	13°35'43	1♏ 1	28°12	29°46	23°38	28°20	14°14	22° 6	18°55	27° 1	20°22	21°54	12°57	n.a.	F 19
S 20	10 51 22	14°33'41	12°51	27°58	0♈59	24° 5	28°32	14°16	22° 8	18°54	27° 1	20°20	21°51	13° 4	n.a.	S 20
S 21	10 55 18	15°31'37	24°46	27°49	2°13	24°32	28°44	14°18	22°11	18°53	27° 1	20°D20	21°48	13°10	n.a.	S 21
M22	10 59 15	16°29'32	6♐53	27°D44	3°26	24°58	28°56	14°19	22°13	18°52	27° 0	20°20	21°45	13°17	n.a.	M22
T 23	11 3 12	17°27'25	19°16	27°45	4°40	25°24	29° 8	14°21	22°15	18°52	27° 0	20°R21	21°41	13°24	n.a.	T 23
W24	11 7 8	18°25'17	1♑59	27°50	5°53	25°50	29°20	14°23	22°17	18°51	27° 0	20°20	21°38	13°30	n.a.	W24
T 25	11 11 5	19°23'08	15° 8	28° 0	7° 7	26°15	29°32	14°24	22°20	18°50	26°59	20°17	21°35	13°37	n.a.	T 25
F 26	11 15 1	20°20'57	28°46	28°15	8°20	26°40	29°43	14°26	22°22	18°50	26°59	20°12	21°32	13°44	n.a.	F 26
S 27	11 18 58	21°18'45	12♒53	28°34	9°33	27° 5	29°55	14°27	22°24	18°49	26°59	20° 5	21°29	13°50	n.a.	S 27
S 28	11 22 54	22°16'31	27°27	28°57	10°47	27°30	0♒ 6	14°28	22°26	18°49	26°58	19°56	21°26	13°57	n.a.	S 28
M29	11 26 51	23°14'16	12♓22	29°25	12° 0	27°54	0°17	14°29	22°28	18°48	26°58	19°48	21°22	14° 4	n.a.	M29
T 30	11 30 47	24°12'00	27°30	29°57	13°13	28°17	0°29	14°30	22°30	18°48	26°57	19°40	21°19	14°10	n.a.	T 30
W31	11 34 44	25♓ 9'41	12♈41	0♓33	14♈27	28♏41	0♒40	14♐31	22♑32	18♋47	26♏57	19♏33	21♏16	14♎17	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s 3	5s41	4n54	5s25	3n33	9s54	1s 7	15s45	0n54	22s32	0s55	22s15	0n35	22s47	0s37	23n10	0n42	18s 7	1n47	18s43	18s50	7s34		n.a.
T 2	12 43	0 22	4 29	5 33	3 31	9 24	1 5	15 56	0 53	22 29	0 55	22 15	0 35	22 47	0 37	23 11	0 42	18 7	1 47	18 40	18 49	7 36		n.a.
W 3	12 22	4n58	3 45	5 44	3 28	8 54	1 4	16 6	0 51	22 27	0 56	22 16	0 35	22 46	0 37	23 11	0 42	18 8	1 47	18 38	18 48	7 38		n.a.
T 4	12 1	9 57	2 47	5 59	3 24	8 24	1 2	16 16	0 50	22 25	0 56	22 16	0 35	22 46	0 37	23 11	0 42	18 8	1 47	18 36	18 48	7 40		n.a.
F 5	11 41	14 17	1 38	6 16	3 18	7 54	1 0	16 26	0 49	22 22	0 56	22 17	0 35	22 45	0 37	23 11	0 42	18 8	1 47	18 35	18 47	7 42		n.a.
S 6	11 20	17 42	0 25	6 37	3 10	7 23	0 59	16 36	0 47	22 20	0 56	22 17	0 35	22 45	0 37	23 11	0 42	18 8	1 47	18 35	18 46	7 44		n.a.
S 7	10 58	19 59	0s49	6 59	3 1	6 53	0 57	16 46	0 46	22 18	0 56	22 18	0 35	22 44	0 37	23 11	0 42	18 8	1 47	18 35	18 45	7 46		n.a.
M 8	10 37	21 3	1 58	7 24	2 51	6 22	0 55	16 55	0 45	22 16	0 56	22 18	0 35	22 44	0 37	23 12	0 42	18 8	1 46	18 35	18 44	7 48		n.a.
T 9	10 16	20 54	2 59	7 50	2 39	5 51	0 53	17 5	0 43	22 13	0 57	22 18	0 35	22 44	0 37	23 12	0 42	18 8	1 46	18 35	18 43	7 50		n.a.
W10	9 54	19 37	3 49	8 18	2 26	5 20	0 51	17 14	0 42	22 11	0 57	22 19	0 35	22 43	0 38	23 12	0 42	18 8	1 46	18 33	18 43	7 52		n.a.
T 11	9 32	17 21	4 27	8 46	2 12	4 48	0 49	17 24	0 40	22 9	0 57	22 19	0 35	22 43	0 38	23 12	0 42	18 8	1 46	18 32	18 42	7 55		n.a.
F 12	9 10	14 18	4 51	9 14	1 58	4 17	0 47	17 33	0 39	22 6	0 57	22 19	0 35	22 42	0 38	23 12	0 42	18 8	1 46	18 29	18 41	7 57		n.a.
S 13	8 48	10 39	5 1	9 43	1 42	3 46	0 45	17 42	0 37	22 4	0 57	22 20	0 35	22 42	0 38	23 12	0 42	18 8	1 46	18 26	18 40	7 59		n.a.
S 14	8 26	6 36	4 57	10 11	1 27	3 14	0 43	17 52	0 36	22 2	0 58	22 20	0 35	22 42	0 38	23 12	0 42	18 8	1 46	18 22	18 39	8 1		n.a.
M15	8 4	2 21	4 39	10 38	1 11	2 42	0 41	18 1	0 34	21 59	0 58	22 20	0 35	22 41	0 38	23 13	0 42	18 8	1 46	18 19	18 38	8 3		n.a.
T 16	7 42	1s57	4 8	11 4	0 54	2 11	0 39	18 10	0 32	21 57	0 58	22 21	0 35	22 41	0 38	23 13	0 42	18 8	1 46	18 16	18 38	8 5		n.a.
W17	7 19	6 9	3 28	11 29	0 38	1 39	0 37	18 18	0 31	21 55	0 58	22 21	0 35	22 40	0 38	23 13	0 42	18 8	1 46	18 13	18 37	8 7		n.a.
T 18	6 57	10 5	2 38	11 53	0 22	1 7	0 34	18 27	0 29	21 52	0 58	22 21	0 35	22 40	0 38	23 13	0 42	18 8	1 46	18 11	18 36	8 9		n.a.
F 19	6 34	13 37	1 41	12 14	0 6	0 35	0 32	18 36	0 27	21 50	0 58	22 22	0 35	22 40	0 38	23 13	0 42	18 8	1 46	18 10	18 35	8 11		n.a.
S 20	6 11	16 37	0 40	12 33	0s10	0 3	0 30	18 44	0 25	21 48	0 59	22 22	0 35	22 39	0 38	23 13	0 42	18 8	1 46	18 10	18 34	8 13		n.a.
S 21	5 49	18 56	0n24	12 51	0 25	0n29	0 28	18 53	0 24	21 46	0 59	22 22	0 35	22 39	0 38	23 13	0 42	18 8	1 46	18 10	18 33	8 15		n.a.
M22	5 26	20 26	1 27	13 6	0 39	1 0	0 25	19 1	0 22	21 43	0 59	22 22	0 35	22 39	0 38	23 13	0 42	18 8	1 46	18 10	18 33	8 17		n.a.
T 23	5 3	20 59	2 28	13 19	0 53	1 32	0 23	19 9	0 20	21 41	0 59	22 22	0 35	22 38	0 38	23 13	0 42	18 8	1 46	18 10	18 32	8 19		n.a.
W24	4 40	20 29	3 24	13 29	1 7	2 4	0 20	19 17	0 18	21 39	0 59	22 23	0 35	22 38	0 38	23 14	0 42	18 8	1 46	18 10	18 31	8 21		n.a.
T 25	4 17	18 52	4 10	13 38	1 19	2 36	0 18	19 26	0 16	21 36	1 0	22 23	0 35	22 37	0 38	23 14	0 42	18 8	1 46	18 9	18 30	8 23		n.a.
F 26	3 54	16 9	4 44	13 44	1 31	3 8	0 15	19 34	0 14	21 34	1 0	22 23	0 35	22 37	0 38	23 14	0 42	18 8	1 46	18 8	18 29	8 25		n.a.
S 27	3 30	12 25	5 3	13 47	1 42	3 39	0 13	19 41	0 11	21 32	1 0	22 23	0 35	22 37	0 38	23 14	0 42	18 8	1 46	18 6	18 28	8 27		n.a.
S 28	3 7	7 51	5 3	13 48	1 52	4 11	0 10	19 49	0 9	21 29	1 0	22 23	0 35	22 36	0 38	23 14	0 42	18 8	1 46	18 3	18 28	8 29		n.a.
M29	2 44	2 43	4 42	13 47	2 2	4 43	0 8	19 57	0 7	21 27	1 1	22 24	0 35	22 36	0 38	23 14	0 42	18 8	1 46	18 1	18 27	8 31		n.a.
T 30	2 21	2n40	4 2	13 44	2 11	5 14	0 5	20 4	0 5	21 25	1 1	22 24	0 35	22 36	0 38	23 14	0 42	18 8	1 45	17 59	18 26	8 33		n.a.
W31	1s57	7n55	3n 4	13s38	2s18	5n45	0s 3	20s12	0n 3	21s23	1s 1	22s24	0n35	22s36	0s38	23n14	0n42	18s 8	1n45	17s57	18s25	8s35		n.a.

Julian Day Number = 1103479.5, Delta T = 11h00m14s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'37, Lahiri = -27°17'36 Julian Calendar 1 March 1692 BCE == Greg. Calendar 15 Feb. 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

APRIL 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 38 40	26♓ 7'22	27♈45	1♓13	15♈40	29♏ 4	0♒51	14♐32	22♑34	18°R47	26°R56	19°R29	21♏13	14♎24	n.a.	T 1
F 2	11 42 37	27° 5'00	12♉33	1°57	16°53	29°26	1° 2	14°33	22°36	18♋46	26♏56	19°D28	21°10	14°30	n.a.	F 2
S 3	11 46 34	28° 2'37	27° 0	2°44	18° 6	29°48	1°13	14°33	22°38	18°46	26°55	19♏28	21° 6	14°37	n.a.	S 3
S 4	11 50 30	29° 0'12	11♊ 3	3°35	19°19	0♐10	1°23	14°34	22°40	18°46	26°55	19°29	21° 3	14°44	n.a.	S 4
M 5	11 54 27	29°57'46	24°42	4°29	20°33	0°32	1°34	14°34	22°41	18°45	26°54	19°R29	21° 0	14°51	n.a.	M 5
T 6	11 58 23	0♈55'18	7♋59	5°26	21°46	0°53	1°45	14°35	22°43	18°45	26°53	19°29	20°57	14°57	n.a.	T 6
W 7	12 2 20	1°52'48	20°56	6°26	22°59	1°13	1°55	14°35	22°45	18°45	26°53	19°28	20°54	15° 4	n.a.	W 7
T 8	12 6 16	2°50'17	3♌36	7°30	24°12	1°33	2° 5	14°35	22°47	18°45	26°52	19°24	20°51	15°11	n.a.	T 8
F 9	12 10 13	3°47'44	16° 3	8°36	25°25	1°53	2°15	14°R35	22°48	18°44	26°51	19°18	20°47	15°17	n.a.	F 9
S 10	12 14 9	4°45'10	28°18	9°46	26°38	2°12	2°26	14°35	22°50	18°44	26°51	19°11	20°44	15°24	n.a.	S 10
S 11	12 18 6	5°42'34	10♍25	10°58	27°51	2°31	2°36	14°35	22°51	18°44	26°50	19° 3	20°41	15°31	n.a.	S 11
M12	12 22 3	6°39'57	22°24	12°13	29° 4	2°49	2°45	14°34	22°53	18°44	26°49	18°55	20°38	15°37	n.a.	M12
T 13	12 25 59	7°37'19	4♎18	13°31	0♉16	3° 7	2°55	14°34	22°54	18°44	26°48	18°48	20°35	15°44	n.a.	T 13
W14	12 29 56	8°34'39	16° 8	14°51	1°29	3°24	3° 5	14°34	22°56	18°D44	26°47	18°43	20°31	15°51	n.a.	W14
T 15	12 33 52	9°31'59	27°57	16°14	2°42	3°41	3°14	14°33	22°57	18°44	26°46	18°39	20°28	15°57	n.a.	T 15
F 16	12 37 49	10°29'17	9♏46	17°39	3°55	3°57	3°24	14°32	22°58	18°44	26°46	18°37	20°25	16° 4	n.a.	F 16
S 17	12 41 45	11°26'35	21°39	19° 7	5° 8	4°13	3°33	14°32	23° 0	18°44	26°45	18°D36	20°22	16°11	n.a.	S 17
S 18	12 45 42	12°23'52	3♐38	20°38	6°20	4°28	3°42	14°31	23° 1	18°44	26°44	18°37	20°19	16°17	n.a.	S 18
M19	12 49 38	13°21'08	15°48	22°11	7°33	4°43	3°51	14°30	23° 2	18°44	26°43	18°39	20°16	16°24	n.a.	M19
T 20	12 53 35	14°18'24	28°12	23°47	8°46	4°57	4° 0	14°29	23° 3	18°44	26°42	18°40	20°12	16°31	n.a.	T 20
W21	12 57 32	15°15'38	10♑55	25°25	9°59	5°11	4° 9	14°28	23° 4	18°45	26°41	18°R41	20° 9	16°37	n.a.	W21
T 22	13 1 28	16°12'53	24° 1	27° 6	11°11	5°23	4°18	14°27	23° 5	18°45	26°40	18°41	20° 6	16°44	n.a.	T 22
F 23	13 5 25	17°10'06	7♒33	28°49	12°24	5°36	4°26	14°25	23° 6	18°45	26°39	18°39	20° 3	16°51	n.a.	F 23
S 24	13 9 21	18° 7'19	21°32	0♈35	13°36	5°47	4°35	14°24	23° 7	18°45	26°38	18°37	20° 0	16°57	n.a.	S 24
S 25	13 13 18	19° 4'32	5♓58	2°23	14°49	5°58	4°43	14°22	23° 8	18°46	26°37	18°33	19°57	17° 4	n.a.	S 25
M26	13 17 14	20° 1'43	20°47	4°13	16° 1	6° 9	4°51	14°21	23° 9	18°46	26°35	18°29	19°53	17°11	n.a.	M26
T 27	13 21 11	20°58'55	5♈53	6° 6	17°14	6°18	4°59	14°19	23°10	18°47	26°34	18°25	19°50	17°17	n.a.	T 27
W28	13 25 7	21°56'06	21° 6	8° 1	18°26	6°27	5° 7	14°17	23°10	18°47	26°33	18°23	19°47	17°24	n.a.	W28
T 29	13 29 4	22°53'16	6♉16	9°58	19°39	6°36	5°15	14°16	23°11	18°47	26°32	18°21	19°44	17°31	n.a.	T 29
F 30	13 33 1	23♈50'25	21♉14	11♈58	20♉51	6♐43	5♒23	14♐14	23♑12	18♋48	26♏31	18°D21	19♏41	17♎37	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s34	12n38	1n54	13s30	2s26	6n16	0s 0	20s19	0n 0	21s20	1s 1	22s24	0n35	22s35	0s38	23n14	0n42	18s 8	1n45	17s56	18s24	8s37		n.a.
F 2	1 11	16 29	0 37	13 20	2 32	6 47	0n 2	20 27	0s 2	21 18	1 1	22 24	0 35	22 35	0 38	23 14	0 42	18 8	1 45	17 56	18 23	8 39		n.a.
S 3	0 48	19 12	0s41	13 8	2 38	7 18	0 5	20 34	0 5	21 16	1 2	22 24	0 35	22 35	0 38	23 14	0 42	18 8	1 45	17 56	18 22	8 41		n.a.
S 4	0 24	20 39	1 54	12 54	2 42	7 49	0 8	20 41	0 7	21 14	1 2	22 24	0 35	22 34	0 38	23 14	0 42	18 8	1 45	17 56	18 22	8 43		n.a.
M 5	0 1	20 49	2 58	12 37	2 46	8 20	0 10	20 48	0 10	21 12	1 2	22 24	0 35	22 34	0 38	23 14	0 42	18 8	1 45	17 56	18 21	8 45		n.a.
T 6	0n22	19 48	3 51	12 19	2 50	8 50	0 13	20 55	0 12	21 9	1 2	22 24	0 35	22 34	0 38	23 14	0 42	18 8	1 45	17 56	18 20	8 47		n.a.
W 7	0 46	17 45	4 31	11 59	2 52	9 20	0 15	21 2	0 15	21 7	1 3	22 24	0 35	22 34	0 38	23 14	0 42	18 7	1 45	17 55	18 19	8 49		n.a.
T 8	1 9	14 54	4 57	11 36	2 54	9 50	0 18	21 9	0 18	21 5	1 3	22 25	0 35	22 33	0 38	23 14	0 42	18 7	1 45	17 54	18 18	8 51		n.a.
F 9	1 32	11 26	5 8	11 12	2 55	10 20	0 21	21 16	0 21	21 3	1 3	22 25	0 34	22 33	0 38	23 14	0 42	18 7	1 45	17 53	18 17	8 53		n.a.
S 10	1 55	7 32	5 4	10 45	2 56	10 49	0 23	21 22	0 23	21 1	1 3	22 25	0 34	22 33	0 38	23 14	0 42	18 7	1 45	17 51	18 16	8 55		n.a.
S 11	2 19	3 23	4 47	10 17	2 56	11 18	0 26	21 29	0 26	20 59	1 4	22 25	0 34	22 33	0 39	23 14	0 42	18 7	1 45	17 49	18 16	8 57		n.a.
M12	2 42	0s52	4 18	9 47	2 55	11 47	0 29	21 36	0 29	20 57	1 4	22 25	0 34	22 32	0 39	23 14	0 42	18 7	1 45	17 47	18 15	8 59		n.a.
T 13	3 5	5 3	3 37	9 15	2 53	12 16	0 31	21 42	0 32	20 55	1 4	22 25	0 34	22 32	0 39	23 14	0 42	18 7	1 45	17 45	18 14	9 1		n.a.
W14	3 28	9 2	2 47	8 42	2 51	12 44	0 34	21 49	0 35	20 53	1 4	22 25	0 34	22 32	0 39	23 14	0 42	18 7	1 45	17 43	18 13	9 3		n.a.
T 15	3 51	12 39	1 50	8 6	2 48	13 12	0 36	21 55	0 38	20 51	1 5	22 25	0 34	22 32	0 39	23 14	0 42	18 6	1 45	17 42	18 12	9 5		n.a.
F 16	4 14	15 46	0 48	7 29	2 44	13 40	0 39	22 1	0 42	20 49	1 5	22 24	0 34	22 32	0 39	23 14	0 42	18 6	1 45	17 41	18 11	9 7		n.a.
S 17	4 37	18 15	0n17	6 50	2 40	14 8	0 41	22 7	0 45	20 47	1 5	22 24	0 34	22 32	0 39	23 14	0 42	18 6	1 44	17 41	18 10	9 9		n.a.
S 18	4 59	19 57	1 21	6 9	2 36	14 35	0 44	22 13	0 48	20 45	1 5	22 24	0 34	22 31	0 39	23 14	0 42	18 6	1 44	17 41	18 10	9 10		n.a.
M19	5 22	20 45	2 23	5 27	2 30	15 1	0 47	22 19	0 52	20 43	1 6	22 24	0 34	22 31	0 39	23 14	0 42	18 6	1 44	17 42	18 9	9 12		n.a.
T 20	5 45	20 33	3 20	4 43	2 24	15 28	0 49	22 25	0 55	20 41	1 6	22 24	0 34	22 31	0 39	23 14	0 42	18 6	1 44	17 42	18 8	9 14		n.a.
W21	6 7	19 19	4 8	3 57	2 18	15 54	0 52	22 31	0 58	20 39	1 6	22 24	0 34	22 31	0 39	23 14	0 42	18 5	1 44	17 43	18 7	9 16		n.a.
T 22	6 30	17 2	4 45	3 10	2 11	16 19	0 54	22 37	1 2	20 37	1 6	22 24	0 34	22 31	0 39	23 14	0 42	18 5	1 44	17 42	18 6	9 18		n.a.
F 23	6 52	13 47	5 7	2 22	2 3	16 44	0 56	22 43	1 6	20 35	1 7	22 24	0 34	22 31	0 39	23 14	0 42	18 5	1 44	17 42	18 5	9 20		n.a.
S 24	7 14	9 40	5 13	1 32	1 56	17 9	0 59	22 49	1 9	20 34	1 7	22 24	0 34	22 30	0 39	23 14	0 42	18 5	1 44	17 41	18 4	9 22		n.a.
S 25	7 36	4 52	4 59	0 40	1 47	17 34	1 1	22 54	1 13	20 32	1 7	22 24	0 34	22 30	0 39	23 14	0 42	18 5	1 44	17 40	18 3	9 24		n.a.
M26	7 58	0n20	4 25	0n13	1 38	17 57	1 4	23 0	1 17	20 30	1 8	22 23	0 34	22 30	0 39	23 14	0 42	18 5	1 44	17 39	18 3	9 26		n.a.
T 27	8 20	5 37	3 32	1 7	1 29	18 21	1 6	23 6	1 21	20 28	1 8	22 23	0 34	22 30	0 39	23 14	0 41	18 4	1 44	17 38	18 2	9 28		n.a.
W28	8 42	10 36	2 24	2 2	1 19	18 44	1 8	23 11	1 25	20 27	1 8	22 23	0 34	22 30	0 39	23 14	0 41	18 4	1 44	17 37	18 1	9 30		n.a.
T 29	9 4	14 54	1 6	2 58	1 9	19 6	1 10	23 16	1 29	20 25	1 8	22 23	0 34	22 30	0 39	23 14	0 41	18 4	1 44	17 37	18 0	9 32		n.a.
F 30	9n25	18n 9	0s16	3n55	0s59	19n28	1n13	23s22	1s33	20s23	1s 9	22s23	0n34	22s30	0s39	23n14	0n41	18s 4	1n44	17s37	17s59	9s34		n.a.

Julian Day Number = 1103510.5, Delta T = 11h00m12s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'33, Lahiri = -27°17'32 Julian Calendar 1 Apr. 1692 BCE == Greg. Calendar 18 March 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

MAY 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 36 57	24♈47'34	5♊53	13♈59	22♉ 3	6♐50	5♒30	14°R12	23♋12	18♋48	26°R30	18♏21	19♏37	17♎44	n.a.	S 1
S 2	13 40 54	25°44'42	20° 8	16° 3	23°16	6°57	5°37	14♐ 9	23°13	18°49	26♏28	18°23	19°34	17°51	n.a.	S 2
M 3	13 44 50	26°41'49	3♋56	18° 8	24°28	7° 2	5°45	14° 7	23°13	18°50	26°27	18°24	19°31	17°57	n.a.	M 3
T 4	13 48 47	27°38'56	17°19	20°15	25°40	7° 7	5°52	14° 5	23°14	18°50	26°26	18°25	19°28	18° 4	n.a.	T 4
W 5	13 52 43	28°36'02	0♌18	22°23	26°53	7°11	5°58	14° 3	23°14	18°51	26°25	18°R25	19°25	18°11	n.a.	W 5
T 6	13 56 40	29°33'07	12°57	24°32	28° 5	7°14	6° 5	14° 0	23°15	18°52	26°23	18°25	19°22	18°17	n.a.	T 6
F 7	14 0 36	0♍30'11	25°19	26°42	29°17	7°17	6°12	13°58	23°15	18°52	26°22	18°23	19°18	18°24	n.a.	F 7
S 8	14 4 33	1°27'15	7♎27	28°53	0♊29	7°19	6°18	13°55	23°15	18°53	26°21	18°21	19°15	18°31	n.a.	S 8
S 9	14 8 30	2°24'18	19°27	1♉ 4	1°41	7°20	6°24	13°52	23°15	18°54	26°19	18°19	19°12	18°37	n.a.	S 9
M10	14 12 26	3°21'20	1♎20	3°15	2°53	7°R21	6°31	13°49	23°16	18°55	26°18	18°17	19° 9	18°44	n.a.	M10
T 11	14 16 23	4°18'23	13°10	5°26	4° 5	7°20	6°36	13°47	23°16	18°55	26°17	18°15	19° 6	18°51	n.a.	T 11
W12	14 20 19	5°15'25	24°59	7°37	5°17	7°19	6°42	13°44	23°16	18°56	26°15	18°13	19° 3	18°57	n.a.	W12
T 13	14 24 16	6°12'27	6♏49	9°47	6°29	7°17	6°48	13°41	23°R16	18°57	26°14	18°12	18°59	19° 4	n.a.	T 13
F 14	14 28 12	7° 9'28	18°43	11°55	7°41	7°15	6°53	13°38	23°16	18°58	26°13	18°D12	18°56	19°11	n.a.	F 14
S 15	14 32 9	8° 6'30	0♐44	14° 3	8°53	7°11	6°59	13°35	23°16	18°59	26°11	18°12	18°53	19°17	n.a.	S 15
S 16	14 36 6	9° 3'32	12°52	16° 9	10° 4	7° 7	7° 4	13°31	23°16	19° 0	26°10	18°13	18°50	19°24	n.a.	S 16
M17	14 40 2	10° 0'34	25°11	18°14	11°16	7° 3	7° 9	13°28	23°15	19° 1	26° 9	18°14	18°47	19°31	n.a.	M17
T 18	14 43 59	10°57'36	7♑44	20°18	12°28	6°57	7°14	13°25	23°15	19° 2	26° 7	18°14	18°43	19°37	n.a.	T 18
W19	14 47 55	11°54'38	20°32	22°19	13°39	6°51	7°18	13°21	23°15	19° 3	26° 6	18°15	18°40	19°44	n.a.	W19
T 20	14 51 52	12°51'41	3♒40	24°19	14°51	6°44	7°23	13°18	23°15	19° 4	26° 4	18°15	18°37	19°51	n.a.	T 20
F 21	14 55 48	13°48'44	17° 8	26°17	16° 3	6°36	7°27	13°14	23°14	19° 5	26° 3	18°R15	18°34	19°57	n.a.	F 21
S 22	14 59 45	14°45'47	0♓59	28°14	17°14	6°27	7°31	13°11	23°14	19° 7	26° 1	18°15	18°31	20° 4	n.a.	S 22
S 23	15 3 41	15°42'51	15°12	0♊ 8	18°26	6°18	7°35	13° 7	23°13	19° 8	26° 0	18°15	18°28	20°11	n.a.	S 23
M24	15 7 38	16°39'55	29°46	2° 0	19°37	6° 8	7°39	13° 3	23°13	19° 9	25°58	18°15	18°24	20°17	n.a.	M24
T 25	15 11 35	17°37'00	14♈36	3°50	20°48	5°58	7°42	13° 0	23°12	19°10	25°57	18°15	18°21	20°24	n.a.	T 25
W26	15 15 31	18°34'05	29°36	5°39	22° 0	5°47	7°46	12°56	23°12	19°11	25°56	18°D15	18°18	20°31	n.a.	W26
T 27	15 19 28	19°31'11	14♉37	7°25	23°11	5°35	7°49	12°52	23°11	19°13	25°54	18°R15	18°15	20°37	n.a.	T 27
F 28	15 23 24	20°28'17	29°32	9°10	24°22	5°23	7°52	12°48	23°11	19°14	25°53	18°15	18°12	20°44	n.a.	F 28
S 29	15 27 21	21°25'24	14♊13	10°52	25°34	5°10	7°55	12°44	23°10	19°15	25°51	18°15	18° 8	20°51	n.a.	S 29
S 30	15 31 17	22°22'31	28°33	12°33	26°45	4°57	7°57	12°40	23° 9	19°17	25°50	18°14	18° 5	20°57	n.a.	S 30
M31	15 35 14	23♉19'38	12♋28	14♊11	27♊56	4♐43	8♒ 0	12♐36	23♋ 8	19♋18	25♏48	18♏14	18♏ 2	21♎ 4	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n47	20n 8	1s35	4n53	0s49	19n50	1n15	23s27	1s37	20s22	1s 9	22s23	0n34	22s30	0s39	23n14	0n41	18s 4	1n44	17s37	17s58	9s36		n.a.
S 2	10 8	20 45	2 46	5 51	0 38	20 11	1 17	23 32	1 41	20 20	1 9	22 22	0 34	22 30	0 39	23 13	0 41	18 3	1 43	17 37	17 57	9 38		n.a.
M 3	10 29	20 4	3 46	6 49	0 27	20 31	1 19	23 37	1 45	20 19	1 10	22 22	0 34	22 30	0 39	23 13	0 41	18 3	1 43	17 38	17 56	9 39		n.a.
T 4	10 50	18 16	4 31	7 48	0 16	20 51	1 21	23 42	1 49	20 17	1 10	22 22	0 34	22 30	0 39	23 13	0 41	18 3	1 43	17 38	17 56	9 41		n.a.
W 5	11 11	15 35	5 0	8 47	0 6	21 10	1 23	23 47	1 54	20 16	1 10	22 22	0 34	22 30	0 39	23 13	0 41	18 3	1 43	17 38	17 55	9 43		n.a.
T 6	11 31	12 13	5 14	9 46	0n 5	21 29	1 25	23 52	1 58	20 14	1 10	22 21	0 33	22 30	0 39	23 13	0 41	18 2	1 43	17 38	17 54	9 45		n.a.
F 7	11 52	8 25	5 13	10 44	0 16	21 47	1 27	23 57	2 3	20 13	1 11	22 21	0 33	22 30	0 39	23 13	0 41	18 2	1 43	17 38	17 53	9 47		n.a.
S 8	12 12	4 19	4 59	11 41	0 26	22 5	1 29	24 2	2 7	20 12	1 11	22 21	0 33	22 30	0 40	23 13	0 41	18 2	1 43	17 37	17 52	9 49		n.a.
S 9	12 32	0 7	4 31	12 38	0 36	22 22	1 31	24 6	2 12	20 10	1 11	22 21	0 33	22 30	0 40	23 13	0 41	18 2	1 43	17 36	17 51	9 51		n.a.
M10	12 52	4s 4	3 51	13 33	0 46	22 38	1 32	24 11	2 16	20 9	1 12	22 20	0 33	22 30	0 40	23 13	0 41	18 1	1 43	17 36	17 50	9 53		n.a.
T 11	13 12	8 5	3 2	14 27	0 55	22 54	1 34	24 15	2 21	20 8	1 12	22 20	0 33	22 30	0 40	23 12	0 41	18 1	1 43	17 35	17 49	9 55		n.a.
W12	13 31	11 47	2 5	15 19	1 4	23 9	1 36	24 20	2 25	20 7	1 12	22 20	0 33	22 30	0 40	23 12	0 41	18 1	1 43	17 35	17 49	9 56		n.a.
T 13	13 50	15 2	1 3	16 9	1 12	23 24	1 37	24 24	2 30	20 6	1 13	22 19	0 33	22 30	0 40	23 12	0 41	18 1	1 43	17 34	17 48	9 58		n.a.
F 14	14 10	17 40	0n 3	16 57	1 20	23 37	1 39	24 28	2 35	20 4	1 13	22 19	0 33	22 30	0 40	23 12	0 41	18 0	1 43	17 34	17 47	10 0		n.a.
S 15	14 28	19 34	1 9	17 44	1 27	23 51	1 40	24 32	2 40	20 3	1 13	22 19	0 33	22 30	0 40	23 12	0 41	18 0	1 42	17 34	17 46	10 2		n.a.
S 16	14 47	20 34	2 13	18 28	1 33	24 3	1 42	24 36	2 44	20 2	1 14	22 18	0 33	22 30	0 40	23 12	0 41	18 0	1 42	17 35	17 45	10 4		n.a.
M17	15 5	20 37	3 11	19 10	1 39	24 15	1 43	24 40	2 49	20 1	1 14	22 18	0 33	22 30	0 40	23 12	0 41	18 0	1 42	17 35	17 44	10 6		n.a.
T 18	15 24	19 38	4 2	19 49	1 44	24 26	1 44	24 44	2 54	20 0	1 14	22 18	0 33	22 30	0 40	23 11	0 41	17 59	1 42	17 35	17 43	10 8		n.a.
W19	15 42	17 39	4 41	20 26	1 48	24 37	1 45	24 48	2 59	20 0	1 15	22 17	0 33	22 30	0 40	23 11	0 41	17 59	1 42	17 35	17 42	10 10		n.a.
T 20	15 59	14 43	5 7	21 1	1 52	24 46	1 46	24 51	3 4	19 59	1 15	22 17	0 33	22 30	0 40	23 11	0 41	17 59	1 42	17 35	17 41	10 11		n.a.
F 21	16 17	10 57	5 18	21 33	1 55	24 55	1 47	24 55	3 8	19 58	1 15	22 17	0 33	22 30	0 40	23 11	0 41	17 59	1 42	17 35	17 41	10 13		n.a.
S 22	16 34	6 30	5 10	22 3	1 57	25 4	1 48	24 58	3 13	19 57	1 16	22 16	0 33	22 30	0 40	23 11	0 41	17 58	1 42	17 35	17 40	10 15		n.a.
S 23	16 51	1 36	4 43	22 30	1 59	25 11	1 49	25 1	3 18	19 56	1 16	22 16	0 33	22 30	0 40	23 11	0 41	17 58	1 42	17 35	17 39	10 17		n.a.
M24	17 8	3n32	3 58	22 55	2 0	25 18	1 50	25 4	3 23	19 56	1 16	22 15	0 32	22 31	0 40	23 10	0 41	17 58	1 42	17 35	17 38	10 19		n.a.
T 25	17 24	8 34	2 56	23 17	2 1	25 24	1 51	25 7	3 28	19 55	1 17	22 15	0 32	22 31	0 40	23 10	0 41	17 58	1 42	17 35	17 37	10 21		n.a.
W26	17 41	13 7	1 42	23 37	2 0	25 30	1 51	25 10	3 33	19 55	1 17	22 15	0 32	22 31	0 40	23 10	0 41	17 57	1 42	17 35	17 36	10 23		n.a.
T 27	17 56	16 51	0 20	23 55	1 59	25 35	1 52	25 12	3 37	19 54	1 17	22 14	0 32	22 31	0 40	23 10	0 41	17 57	1 41	17 35	17 35	10 24		n.a.
F 28	18 12	19 25	1s 2	24 11	1 58	25 39	1 53	25 14	3 42	19 54	1 18	22 14	0 32	22 31	0 40	23 10	0 41	17 57	1 41	17 35	17 34	10 26		n.a.
S 29	18 27	20 38	2 19	24 24	1 56	25 42	1 53	25 17	3 47	19 53	1 18	22 13	0 32	22 31	0 40	23 9	0 41	17 57	1 41	17 35	17 33	10 28		n.a.
S 30	18 42	20 27	3 26	24 36	1 53	25 44	1 53	25 18	3 51	19 53	1 18	22 13	0 32	22 31	0 40	23 9	0 41	17 56	1 41	17 35	17 32	10 30		n.a.
M31	18n57	19n 1	4s18	24n45	1n50	25n46	1n54	25s20	3s56	19s52	1s19	22s12	0n32	22s32	0s40	23n 9	0n41	17s56	1n41	17s35	17s32	10s32		n.a.

Julian Day Number = 1103540.5, Delta T = 11h00m10s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'29, Lahiri = -27°17'28 Julian Calendar 1 May 1692 BCE == Greg. Calendar 17 Apr. 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

JUNE 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 39 11	24♉16'45	25♋57	15♊48	29♊ 7	4°R29	8♒ 2	12°R32	23°R 7	19♋20	25°R47	18°R13	17♏59	21♎11	n.a.	T 1
W 2	15 43 7	25°13'53	9♌ 1	17°22	0♋18	4♐14	8° 4	12♐28	23♑ 6	19°21	25♏45	18♏13	17°56	21°17	n.a.	W 2
T 3	15 47 4	26°11'01	21°42	18°55	1°29	4° 0	8° 6	12°24	23° 5	19°22	25°44	18°D12	17°53	21°24	n.a.	T 3
F 4	15 51 0	27° 8'09	4♍ 4	20°25	2°40	3°44	8° 8	12°19	23° 5	19°24	25°42	18°12	17°49	21°31	n.a.	F 4
S 5	15 54 57	28° 5'17	16°11	21°53	3°51	3°29	8° 9	12°15	23° 3	19°26	25°41	18°13	17°46	21°37	n.a.	S 5
S 6	15 58 53	29° 2'26	28° 8	23°20	5° 2	3°13	8°10	12°11	23° 2	19°27	25°39	18°14	17°43	21°44	n.a.	S 6
M 7	16 2 50	29°59'35	9♎59	24°44	6°12	2°57	8°12	12° 7	23° 1	19°29	25°38	18°15	17°40	21°50	n.a.	M 7
T 8	16 6 46	0♊56'45	21°47	26° 6	7°23	2°41	8°13	12° 2	23° 0	19°30	25°36	18°16	17°37	21°57	n.a.	T 8
W 9	16 10 43	1°53'55	3♏38	27°26	8°34	2°25	8°13	11°58	22°59	19°32	25°35	18°17	17°34	22° 4	n.a.	W 9
T 10	16 14 40	2°51'06	15°33	28°44	9°44	2° 9	8°14	11°53	22°58	19°33	25°33	18°R17	17°30	22°10	n.a.	T 10
F 11	16 18 36	3°48'18	27°35	29°59	10°55	1°53	8°14	11°49	22°56	19°35	25°32	18°17	17°27	22°17	n.a.	F 11
S 12	16 22 33	4°45'31	9♐47	1♋13	12° 5	1°37	8°R14	11°45	22°55	19°37	25°30	18°16	17°24	22°24	n.a.	S 12
S 13	16 26 29	5°42'45	22°10	2°24	13°16	1°21	8°14	11°40	22°54	19°38	25°29	18°14	17°21	22°30	n.a.	S 13
M14	16 30 26	6°39'59	4♑46	3°32	14°26	1° 5	8°14	11°36	22°52	19°40	25°27	18°12	17°18	22°37	n.a.	M14
T 15	16 34 22	7°37'15	17°34	4°38	15°36	0°49	8°14	11°31	22°51	19°42	25°26	18° 9	17°14	22°44	n.a.	T 15
W16	16 38 19	8°34'32	0♒37	5°41	16°46	0°34	8°13	11°27	22°49	19°44	25°25	18° 6	17°11	22°50	n.a.	W16
T 17	16 42 16	9°31'50	13°54	6°42	17°56	0°18	8°12	11°22	22°48	19°45	25°23	18° 4	17° 8	22°57	n.a.	T 17
F 18	16 46 12	10°29'09	27°27	7°39	19° 6	0° 3	8°11	11°18	22°46	19°47	25°22	18° 3	17° 5	23° 4	n.a.	F 18
S 19	16 50 9	11°26'30	11♓15	8°34	20°16	29♏49	8°10	11°13	22°45	19°49	25°20	18°D 2	17° 2	23°10	n.a.	S 19
S 20	16 54 5	12°23'52	25°18	9°26	21°26	29°34	8° 9	11° 9	22°43	19°51	25°19	18° 2	16°59	23°17	n.a.	S 20
M21	16 58 2	13°21'15	9♈35	10°14	22°36	29°20	8° 7	11° 5	22°41	19°53	25°18	18° 4	16°55	23°24	n.a.	M21
T 22	17 1 58	14°18'40	24° 5	10°59	23°46	29° 7	8° 5	11° 0	22°40	19°55	25°16	18° 5	16°52	23°30	n.a.	T 22
W23	17 5 55	15°16'06	8♉42	11°40	24°55	28°54	8° 3	10°56	22°38	19°57	25°15	18° 6	16°49	23°37	n.a.	W23
T 24	17 9 51	16°13'34	23°23	12°18	26° 5	28°41	8° 1	10°51	22°36	19°58	25°13	18°R 6	16°46	23°44	n.a.	T 24
F 25	17 13 48	17°11'03	8♊ 1	12°51	27°14	28°30	7°59	10°47	22°34	20° 0	25°12	18° 5	16°43	23°50	n.a.	F 25
S 26	17 17 45	18° 8'34	22°30	13°21	28°24	28°18	7°56	10°42	22°33	20° 2	25°11	18° 2	16°40	23°57	n.a.	S 26
S 27	17 21 41	19° 6'06	6♋43	13°46	29°33	28° 8	7°53	10°38	22°31	20° 4	25° 9	17°59	16°36	24° 4	n.a.	S 27
M28	17 25 38	20° 3'39	20°36	14° 7	0♌42	27°58	7°50	10°34	22°29	20° 6	25° 8	17°54	16°33	24°10	n.a.	M28
T 29	17 29 34	21° 1'13	4♌ 6	14°23	1°52	27°48	7°47	10°29	22°27	20° 8	25° 7	17°49	16°30	24°17	n.a.	T 29
W30	17 33 31	21♊58'49	17♌13	14♋34	3♌ 1	27♏40	7♒44	10♐25	22♑25	20♋10	25♏ 5	17♏44	16♏27	24♎24	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n12	16n33	4s54	24n53	1n46	25n47	1n54	25s22	4s 0	19s52	1s19	22s12	0n32	22s32	0s40	23n 9	0n41	17s56	1n41	17s35	17s31	10s34		n.a.
W 2	19 26	13 18	5 13	24 58	1 42	25 47	1 54	25 23	4 5	19 52	1 19	22 11	0 32	22 32	0 40	23 9	0 41	17 56	1 41	17 34	17 30	10 35		n.a.
T 3	19 40	9 32	5 17	25 2	1 37	25 47	1 54	25 25	4 9	19 52	1 20	22 11	0 32	22 32	0 40	23 8	0 41	17 55	1 41	17 34	17 29	10 37		n.a.
F 4	19 53	5 28	5 5	25 4	1 32	25 45	1 54	25 26	4 13	19 52	1 20	22 10	0 32	22 32	0 40	23 8	0 41	17 55	1 41	17 34	17 28	10 39		n.a.
S 5	20 6	1 15	4 41	25 4	1 26	25 43	1 54	25 27	4 17	19 52	1 20	22 10	0 32	22 33	0 41	23 8	0 41	17 55	1 41	17 35	17 27	10 41		n.a.
S 6	20 19	2s58	4 4	25 3	1 20	25 41	1 53	25 28	4 21	19 52	1 21	22 9	0 32	22 33	0 41	23 8	0 41	17 55	1 40	17 35	17 26	10 43		n.a.
M 7	20 32	7 2	3 17	25 0	1 13	25 37	1 53	25 28	4 25	19 52	1 21	22 9	0 31	22 33	0 41	23 7	0 41	17 54	1 40	17 35	17 25	10 45		n.a.
T 8	20 44	10 50	2 22	24 56	1 6	25 33	1 52	25 29	4 29	19 52	1 21	22 8	0 31	22 33	0 41	23 7	0 41	17 54	1 40	17 35	17 24	10 46		n.a.
W 9	20 56	14 13	1 20	24 50	0 58	25 28	1 52	25 29	4 32	19 52	1 22	22 8	0 31	22 33	0 41	23 7	0 41	17 54	1 40	17 36	17 23	10 48		n.a.
T 10	21 7	17 3	0 15	24 43	0 50	25 22	1 51	25 29	4 36	19 52	1 22	22 7	0 31	22 34	0 41	23 7	0 41	17 54	1 40	17 36	17 22	10 50		n.a.
F 11	21 18	19 10	0n51	24 35	0 41	25 16	1 51	25 29	4 39	19 52	1 22	22 7	0 31	22 34	0 41	23 6	0 41	17 53	1 40	17 36	17 22	10 52		n.a.
S 12	21 29	20 25	1 56	24 26	0 33	25 9	1 50	25 29	4 43	19 53	1 23	22 6	0 31	22 34	0 41	23 6	0 41	17 53	1 40	17 35	17 21	10 54		n.a.
S 13	21 40	20 43	2 57	24 15	0 23	25 1	1 49	25 28	4 46	19 53	1 23	22 6	0 31	22 35	0 41	23 6	0 41	17 53	1 40	17 35	17 20	10 55		n.a.
M14	21 50	19 59	3 49	24 4	0 14	24 53	1 48	25 28	4 49	19 53	1 23	22 5	0 31	22 35	0 41	23 6	0 41	17 53	1 40	17 34	17 19	10 57		n.a.
T 15	22 0	18 13	4 32	23 52	0 4	24 43	1 47	25 27	4 52	19 54	1 24	22 5	0 31	22 35	0 41	23 5	0 41	17 52	1 39	17 33	17 18	10 59		n.a.
W16	22 9	15 30	5 1	23 39	0s 7	24 33	1 45	25 27	4 54	19 54	1 24	22 4	0 31	22 35	0 41	23 5	0 41	17 52	1 39	17 33	17 17	11 1		n.a.
T 17	22 18	11 57	5 14	23 25	0 18	24 23	1 44	25 26	4 57	19 55	1 24	22 4	0 31	22 36	0 41	23 5	0 41	17 52	1 39	17 32	17 16	11 2		n.a.
F 18	22 26	7 44	5 11	23 11	0 29	24 12	1 43	25 25	4 59	19 55	1 25	22 3	0 31	22 36	0 41	23 5	0 41	17 52	1 39	17 32	17 15	11 4		n.a.
S 19	22 35	3 2	4 50	22 57	0 40	24 0	1 41	25 24	5 2	19 56	1 25	22 3	0 30	22 36	0 41	23 4	0 41	17 51	1 39	17 31	17 14	11 6		n.a.
S 20	22 42	1n56	4 11	22 41	0 52	23 47	1 40	25 23	5 4	19 57	1 25	22 2	0 30	22 37	0 41	23 4	0 41	17 51	1 39	17 32	17 13	11 8		n.a.
M21	22 50	6 52	3 16	22 26	1 3	23 34	1 38	25 21	5 6	19 58	1 26	22 2	0 30	22 37	0 41	23 4	0 41	17 51	1 39	17 32	17 12	11 10		n.a.
T 22	22 57	11 30	2 8	22 10	1 16	23 20	1 36	25 20	5 8	19 58	1 26	22 1	0 30	22 37	0 41	23 4	0 41	17 51	1 39	17 32	17 11	11 11		n.a.
W23	23 3	15 29	0 51	21 55	1 28	23 6	1 34	25 19	5 9	19 59	1 27	22 0	0 30	22 37	0 41	23 3	0 41	17 51	1 39	17 33	17 11	11 13		n.a.
T 24	23 10	18 30	0s29	21 39	1 40	22 50	1 32	25 17	5 11	20 0	1 27	22 0	0 30	22 38	0 41	23 3	0 41	17 50	1 38	17 33	17 10	11 15		n.a.
F 25	23 16	20 18	1 47	21 23	1 53	22 35	1 30	25 16	5 12	20 1	1 27	21 59	0 30	22 38	0 41	23 3	0 41	17 50	1 38	17 32	17 9	11 17		n.a.
S 26	23 21	20 43	2 57	21 8	2 5	22 18	1 28	25 15	5 14	20 2	1 28	21 59	0 30	22 38	0 41	23 2	0 41	17 50	1 38	17 32	17 8	11 18		n.a.
S 27	23 26	19 48	3 55	20 52	2 18	22 1	1 26	25 13	5 15	20 3	1 28	21 58	0 30	22 39	0 41	23 2	0 41	17 50	1 38	17 30	17 7	11 20		n.a.
M28	23 31	17 42	4 38	20 38	2 31	21 44	1 23	25 12	5 16	20 4	1 28	21 58	0 30	22 39	0 41	23 2	0 41	17 49	1 38	17 29	17 6	11 22		n.a.
T 29	23 35	14 41	5 3	20 24	2 43	21 26	1 21	25 10	5 16	20 5	1 28	21 57	0 29	22 39	0 41	23 1	0 41	17 49	1 38	17 28	17 5	11 24		n.a.
W30	23n38	11n 1	5s12	20n10	2s56	21n 7	1n18	25s 9	5s17	20s 7	1s29	21s57	0n29	22s40	0s41	23n 1	0n41	17s49	1n38	17s26	17s 4	11s25		n.a.

Julian Day Number = 1103571.5, Delta T = 11h00m08s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'24, Lahiri = -27°17'24 Julian Calendar 1 June 1692 BCE == Greg. Calendar 18 May 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

JULY 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 37 27	22♊56'25	29♌56	14♋39	4♌10	27°R32	7°R40	10°R20	22°R23	20♋12	25°R 4	17°R41	16♏24	24♎30	n.a.	T 1
F 2	17 41 24	23°54'03	12♍19	14°R40	5°19	27♏25	7♒37	10♐16	22♑21	20°14	25♏ 3	17♏38	16°20	24°37	n.a.	F 2
S 3	17 45 20	24°51'42	24°27	14°35	6°27	27°19	7°33	10°12	22°19	20°16	25° 2	17°D38	16°17	24°44	n.a.	S 3
S 4	17 49 17	25°49'22	6♎23	14°24	7°36	27°13	7°29	10° 8	22°17	20°18	25° 0	17°38	16°14	24°50	n.a.	S 4
M 5	17 53 14	26°47'04	18°14	14° 8	8°45	27° 8	7°24	10° 4	22°15	20°20	24°59	17°40	16°11	24°57	n.a.	M 5
T 6	17 57 10	27°44'47	0♏ 3	13°46	9°53	27° 4	7°20	9°59	22°13	20°23	24°58	17°41	16° 8	25° 4	n.a.	T 6
W 7	18 1 7	28°42'31	11°55	13°18	11° 1	27° 1	7°15	9°55	22°11	20°25	24°57	17°R42	16° 5	25°10	n.a.	W 7
T 8	18 5 3	29°40'16	23°56	12°46	12°10	26°59	7°11	9°51	22° 9	20°27	24°56	17°42	16° 1	25°17	n.a.	T 8
F 9	18 9 0	0♋38'03	6♐ 7	12° 8	13°18	26°57	7° 6	9°47	22° 6	20°29	24°55	17°41	15°58	25°24	n.a.	F 9
S 10	18 12 56	1°35'52	18°32	11°25	14°26	26°D57	7° 1	9°43	22° 4	20°31	24°53	17°37	15°55	25°30	n.a.	S 10
S 11	18 16 53	2°33'42	1♑13	10°39	15°34	26°57	6°56	9°39	22° 2	20°33	24°52	17°31	15°52	25°37	n.a.	S 11
M12	18 20 49	3°31'34	14° 9	9°49	16°41	26°57	6°50	9°35	22° 0	20°35	24°51	17°24	15°49	25°44	n.a.	M12
T 13	18 24 46	4°29'28	27°19	8°56	17°49	26°59	6°45	9°31	21°58	20°37	24°50	17°16	15°46	25°50	n.a.	T 13
W14	18 28 43	5°27'24	10♒44	8° 2	18°57	27° 2	6°39	9°28	21°55	20°40	24°49	17° 8	15°42	25°57	n.a.	W14
T 15	18 32 39	6°25'21	24°21	7° 8	20° 4	27° 5	6°33	9°24	21°53	20°42	24°48	17° 1	15°39	26° 3	n.a.	T 15
F 16	18 36 36	7°23'21	8♓ 7	6°13	21°11	27° 9	6°27	9°20	21°51	20°44	24°47	16°56	15°36	26°10	n.a.	F 16
S 17	18 40 32	8°21'22	22° 2	5°21	22°18	27°14	6°21	9°17	21°48	20°46	24°46	16°53	15°33	26°17	n.a.	S 17
S 18	18 44 29	9°19'26	6♈ 4	4°31	23°25	27°19	6°15	9°13	21°46	20°48	24°45	16°D52	15°30	26°23	n.a.	S 18
M19	18 48 25	10°17'31	20°12	3°45	24°32	27°26	6° 8	9°10	21°44	20°50	24°44	16°52	15°26	26°30	n.a.	M19
T 20	18 52 22	11°15'39	4♉24	3° 5	25°39	27°33	6° 2	9° 6	21°41	20°53	24°43	16°53	15°23	26°37	n.a.	T 20
W21	18 56 18	12°13'49	18°39	2°30	26°45	27°41	5°55	9° 3	21°39	20°55	24°42	16°R53	15°20	26°43	n.a.	W21
T 22	19 0 15	13°12'02	2♊55	2° 2	27°52	27°49	5°49	8°59	21°37	20°57	24°42	16°52	15°17	26°50	n.a.	T 22
F 23	19 4 12	14°10'16	17° 8	1°41	28°58	27°59	5°42	8°56	21°34	20°59	24°41	16°49	15°14	26°57	n.a.	F 23
S 24	19 8 8	15° 8'33	1♋15	1°28	0♍ 4	28° 9	5°35	8°53	21°32	21° 2	24°40	16°43	15°11	27° 3	n.a.	S 24
S 25	19 12 5	16° 6'52	15°10	1°D24	1°10	28°20	5°28	8°50	21°30	21° 4	24°39	16°35	15° 7	27°10	n.a.	S 25
M26	19 16 1	17° 5'12	28°50	1°29	2°16	28°32	5°20	8°47	21°27	21° 6	24°38	16°25	15° 4	27°17	n.a.	M26
T 27	19 19 58	18° 3'35	12♌12	1°42	3°21	28°44	5°13	8°44	21°25	21° 8	24°38	16°14	15° 1	27°23	n.a.	T 27
W28	19 23 54	19° 1'59	25°13	2° 4	4°27	28°57	5° 6	8°41	21°22	21°10	24°37	16° 4	14°58	27°30	n.a.	W28
T 29	19 27 51	20° 0'25	7♍54	2°35	5°32	29°11	4°58	8°38	21°20	21°13	24°36	15°56	14°55	27°37	n.a.	T 29
F 30	19 31 47	20°58'53	20°17	3°15	6°37	29°25	4°51	8°36	21°18	21°15	24°36	15°49	14°52	27°43	n.a.	F 30
S 31	19 35 44	21♋57'23	2♎24	4♋ 2	7♍41	29♏40	4♒43	8♐33	21♑15	21♋17	24♏35	15♏45	14♏48	27♎50	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n42	6n57	5s 5	19n57	3s 8	20n48	1n16	25s 7	5s18	20s 8	1s29	21s56	0n29	22s40	0s41	23n 1	0n41	17s49	1n38	17s25	17s 3	11s27			n.a.
F 2	23 45	2 42	4 44	19 46	3 19	20 29	1 13	25 6	5 18	20 9	1 29	21 56	0 29	22 41	0 41	23 1	0 41	17 49	1 37	17 25	17 2	11 29			n.a.
S 3	23 47	1s34	4 10	19 35	3 31	20 8	1 10	25 5	5 18	20 10	1 30	21 55	0 29	22 41	0 41	23 0	0 41	17 49	1 37	17 25	17 1	11 31			n.a.
S 4	23 49	5 44	3 26	19 26	3 41	19 48	1 7	25 4	5 18	20 12	1 30	21 55	0 29	22 41	0 41	23 0	0 41	17 48	1 37	17 25	17 0	11 32			n.a.
M 5	23 51	9 38	2 34	19 17	3 51	19 27	1 4	25 3	5 18	20 13	1 30	21 54	0 29	22 42	0 41	23 0	0 41	17 48	1 37	17 25	16 59	11 34			n.a.
T 6	23 52	13 10	1 35	19 10	4 1	19 5	1 1	25 2	5 18	20 15	1 31	21 54	0 29	22 42	0 41	22 59	0 41	17 48	1 37	17 26	16 58	11 36			n.a.
W 7	23 53	16 12	0 31	19 5	4 9	18 43	0 58	25 1	5 18	20 16	1 31	21 53	0 29	22 42	0 41	22 59	0 41	17 48	1 37	17 26	16 58	11 38			n.a.
T 8	23 53	18 34	0n34	19 1	4 16	18 20	0 55	25 0	5 18	20 18	1 31	21 53	0 28	22 43	0 41	22 59	0 41	17 48	1 37	17 26	16 57	11 39			n.a.
F 9	23 53	20 7	1 38	18 59	4 21	17 57	0 51	24 59	5 17	20 19	1 32	21 52	0 28	22 43	0 41	22 58	0 41	17 48	1 37	17 25	16 56	11 41			n.a.
S 10	23 53	20 44	2 39	18 59	4 26	17 34	0 48	24 58	5 17	20 21	1 32	21 52	0 28	22 43	0 41	22 58	0 41	17 47	1 36	17 24	16 55	11 43			n.a.
S 11	23 52	20 20	3 33	19 0	4 28	17 10	0 44	24 58	5 16	20 22	1 32	21 51	0 28	22 44	0 41	22 58	0 41	17 47	1 36	17 23	16 54	11 44			n.a.
M12	23 50	18 51	4 18	19 3	4 29	16 46	0 40	24 57	5 16	20 24	1 32	21 51	0 28	22 44	0 41	22 57	0 41	17 47	1 36	17 21	16 53	11 46			n.a.
T 13	23 49	16 22	4 49	19 7	4 28	16 22	0 37	24 57	5 15	20 26	1 33	21 50	0 28	22 45	0 42	22 57	0 41	17 47	1 36	17 18	16 52	11 48			n.a.
W14	23 46	12 58	5 6	19 14	4 25	15 57	0 33	24 56	5 14	20 27	1 33	21 50	0 28	22 45	0 42	22 57	0 41	17 47	1 36	17 16	16 51	11 50			n.a.
T 15	23 44	8 52	5 5	19 22	4 20	15 31	0 29	24 56	5 13	20 29	1 33	21 49	0 28	22 45	0 42	22 56	0 41	17 47	1 36	17 14	16 50	11 51			n.a.
F 16	23 41	4 15	4 47	19 31	4 14	15 6	0 25	24 56	5 12	20 31	1 34	21 49	0 28	22 46	0 42	22 56	0 41	17 47	1 36	17 13	16 49	11 53			n.a.
S 17	23 37	0n38	4 12	19 42	4 5	14 40	0 21	24 56	5 11	20 33	1 34	21 48	0 27	22 46	0 42	22 56	0 41	17 46	1 36	17 12	16 48	11 55			n.a.
S 18	23 33	5 32	3 21	19 54	3 55	14 13	0 16	24 57	5 10	20 35	1 34	21 48	0 27	22 47	0 42	22 55	0 41	17 46	1 35	17 11	16 47	11 56			n.a.
M19	23 29	10 10	2 18	20 8	3 43	13 47	0 12	24 57	5 8	20 37	1 34	21 47	0 27	22 47	0 42	22 55	0 41	17 46	1 35	17 11	16 46	11 58			n.a.
T 20	23 24	14 16	1 7	20 22	3 29	13 20	0 8	24 57	5 7	20 38	1 35	21 47	0 27	22 47	0 42	22 55	0 41	17 46	1 35	17 12	16 45	12 0			n.a.
W21	23 19	17 33	0s10	20 38	3 14	12 53	0 3	24 58	5 6	20 40	1 35	21 47	0 27	22 48	0 42	22 54	0 41	17 46	1 35	17 12	16 44	12 1			n.a.
T 22	23 13	19 45	1 25	20 54	2 58	12 25	0s 1	24 58	5 4	20 42	1 35	21 46	0 27	22 48	0 42	22 54	0 41	17 46	1 35	17 11	16 43	12 3			n.a.
F 23	23 7	20 41	2 35	21 11	2 42	11 58	0 6	24 59	5 3	20 44	1 35	21 46	0 27	22 49	0 42	22 54	0 41	17 46	1 35	17 10	16 43	12 5			n.a.
S 24	23 1	20 19	3 34	21 29	2 24	11 30	0 11	25 0	5 1	20 46	1 35	21 45	0 27	22 49	0 42	22 53	0 41	17 46	1 35	17 9	16 42	12 6			n.a.
S 25	22 54	18 42	4 20	21 46	2 7	11 2	0 15	25 1	4 59	20 48	1 36	21 45	0 27	22 49	0 42	22 53	0 41	17 46	1 34	17 6	16 41	12 8			n.a.
M26	22 46	16 3	4 50	22 4	1 49	10 33	0 20	25 2	4 58	20 50	1 36	21 45	0 26	22 50	0 42	22 53	0 41	17 46	1 34	17 3	16 40	12 10			n.a.
T 27	22 39	12 37	5 3	22 22	1 31	10 5	0 25	25 3	4 56	20 52	1 36	21 44	0 26	22 50	0 42	22 52	0 41	17 46	1 34	17 0	16 39	12 11			n.a.
W28	22 31	8 39	5 0	22 39	1 13	9 36	0 30	25 5	4 54	20 54	1 36	21 44	0 26	22 50	0 42	22 52	0 41	17 46	1 34	16 57	16 38	12 13			n.a.
T 29	22 22	4 24	4 42	22 56	0 56	9 7	0 35	25 6	4 53	20 56	1 36	21 44	0 26	22 51	0 42	22 52	0 41	17 46	1 34	16 55	16 37	12 15			n.a.
F 30	22 13	0 5	4 11	23 12	0 39	8 38	0 40	25 8	4 51	20 58	1 37	21 43	0 26	22 51	0 42	22 51	0 41	17 46	1 34	16 53	16 36	12 16			n.a.
S 31	22n 4	4s10	3s30	23n27	0s23	8n 9	0s45	25s 9	4s49	21s 0	1s37	21s43	0n26	22s52	0s42	22n51	0n41	17s46	1n34	16s52	16s35	12s18			n.a.

Julian Day Number = 1103601.5, Delta T = 11h00m06s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'20, Lahiri = -27°17'20 Julian Calendar 1 July 1692 BCE == Greg. Calendar 17 June 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

AUGUST 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 39 41	22♋55'55	14♎19	4♋58	8♍46	29♏56	4°R35	8°R30	21°R13	21♋19	24°R34	15°R43	14♏45	27♎57	n.a.	S 1
M 2	19 43 37	23°54'28	26° 9	6° 0	9°50	0♐12	4♒28	8♐28	21♑10	21°22	24♏34	15°D43	14°42	28° 3	n.a.	M 2
T 3	19 47 34	24°53'03	7♏58	7°10	10°55	0°29	4°20	8°26	21° 8	21°24	24°33	15♏43	14°39	28°10	n.a.	T 3
W 4	19 51 30	25°51'41	19°52	8°26	11°58	0°47	4°12	8°23	21° 6	21°26	24°33	15°R43	14°36	28°17	n.a.	W 4
T 5	19 55 27	26°50'20	1♐55	9°48	13° 2	1° 5	4° 4	8°21	21° 3	21°28	24°32	15°42	14°32	28°23	n.a.	T 5
F 6	19 59 23	27°49'01	14°13	11°14	14° 6	1°24	3°56	8°19	21° 1	21°30	24°32	15°39	14°29	28°30	n.a.	F 6
S 7	20 3 20	28°47'44	26°48	12°45	15° 9	1°43	3°48	8°17	20°59	21°33	24°31	15°33	14°26	28°37	n.a.	S 7
S 8	20 7 16	29°46'28	9♑43	14°21	16°12	2° 3	3°40	8°15	20°56	21°35	24°31	15°24	14°23	28°43	n.a.	S 8
M 9	20 11 13	0♒45'15	22°59	15°59	17°14	2°24	3°32	8°13	20°54	21°37	24°30	15°14	14°20	28°50	n.a.	M 9
T 10	20 15 9	1°44'04	6♒34	17°40	18°17	2°45	3°24	8°11	20°52	21°39	24°30	15° 2	14°17	28°56	n.a.	T 10
W11	20 19 6	2°42'56	20°25	19°24	19°19	3° 6	3°16	8°10	20°49	21°42	24°30	14°50	14°13	29° 3	n.a.	W11
T 12	20 23 3	3°41'49	4♓27	21° 9	20°20	3°28	3° 8	8° 8	20°47	21°44	24°29	14°39	14°10	29°10	n.a.	T 12
F 13	20 26 59	4°40'45	18°37	22°56	21°22	3°51	3° 0	8° 7	20°45	21°46	24°29	14°31	14° 7	29°16	n.a.	F 13
S 14	20 30 56	5°39'43	2♈50	24°44	22°23	4°14	2°52	8° 5	20°42	21°48	24°29	14°25	14° 4	29°23	n.a.	S 14
S 15	20 34 52	6°38'43	17° 2	26°33	23°24	4°37	2°44	8° 4	20°40	21°50	24°29	14°22	14° 1	29°30	n.a.	S 15
M16	20 38 49	7°37'47	1♉12	28°22	24°24	5° 1	2°36	8° 3	20°38	21°52	24°28	14°21	13°57	29°36	n.a.	M16
T 17	20 42 45	8°36'52	15°17	0♊12	25°25	5°26	2°28	8° 2	20°35	21°55	24°28	14°21	13°54	29°43	n.a.	T 17
W18	20 46 42	9°36'00	29°17	2° 1	26°25	5°50	2°21	8° 1	20°33	21°57	24°28	14°20	13°51	29°50	n.a.	W18
T 19	20 50 38	10°35'11	13♊12	3°51	27°24	6°16	2°13	8° 0	20°31	21°59	24°28	14°18	13°48	29°56	n.a.	T 19
F 20	20 54 35	11°34'25	27° 1	5°40	28°23	6°41	2° 5	7°59	20°29	22° 1	24°28	14°13	13°45	0♏ 3	n.a.	F 20
S 21	20 58 31	12°33'40	10♋42	7°29	29°22	7° 7	1°57	7°58	20°27	22° 3	24°28	14° 6	13°42	0°10	n.a.	S 21
S 22	21 2 28	13°32'58	24°13	9°17	0♎20	7°34	1°49	7°58	20°25	22° 5	24°D28	13°55	13°38	0°16	n.a.	S 22
M23	21 6 25	14°32'18	7♌32	11° 5	1°18	8° 1	1°42	7°57	20°22	22° 7	24°28	13°43	13°35	0°23	n.a.	M23
T 24	21 10 21	15°31'41	20°36	12°52	2°15	8°28	1°34	7°57	20°20	22° 9	24°28	13°29	13°32	0°30	n.a.	T 24
W25	21 14 18	16°31'06	3♍25	14°38	3°13	8°56	1°27	7°56	20°18	22°12	24°28	13°16	13°29	0°36	n.a.	W25
T 26	21 18 14	17°30'32	15°58	16°24	4° 9	9°24	1°19	7°56	20°16	22°14	24°28	13° 5	13°26	0°43	n.a.	T 26
F 27	21 22 11	18°30'01	28°15	18° 9	5° 5	9°52	1°12	7°56	20°14	22°16	24°28	12°55	13°23	0°50	n.a.	F 27
S 28	21 26 7	19°29'32	10♎19	19°53	6° 1	10°21	1° 5	7°D56	20°12	22°18	24°28	12°49	13°19	0°56	n.a.	S 28
S 29	21 30 4	20°29'05	22°12	21°37	6°56	10°50	0°58	7°56	20°10	22°20	24°29	12°45	13°16	1° 3	n.a.	S 29
M30	21 34 0	21°28'39	4♏ 1	23°20	7°50	11°20	0°50	7°56	20° 8	22°22	24°29	12°44	13°13	1° 9	n.a.	M30
T 31	21 37 57	22♌28'16	15♏48	25♌ 2	8♎44	11♐49	0♒44	7♐57	20♑ 6	22♋24	24♏29	12°D44	13♏10	1♏16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	21n54	8s11	2s39	23n41	0s 7	7n39	0s51	25s11	4s47	21s 2	1s37	21s43	0n26	22s52	0s42	22n51	0n41	17s46	1n33	16s51	16s34	12s20		n.a.	S 1
M 2	21 44	11 52	1 42	23 53	0n 7	7 10	0 56	25 13	4 45	21 5	1 37	21 43	0 26	22 52	0 42	22 50	0 41	17 46	1 33	16 51	16 33	12 21		n.a.	M 2
T 3	21 33	15 5	0 41	24 3	0 21	6 40	1 1	25 15	4 43	21 7	1 37	21 42	0 25	22 53	0 42	22 50	0 41	17 46	1 33	16 51	16 32	12 23		n.a.	T 3
W 4	21 22	17 41	0n22	24 11	0 34	6 10	1 7	25 17	4 41	21 9	1 37	21 42	0 25	22 53	0 42	22 50	0 41	17 46	1 33	16 51	16 31	12 25		n.a.	W 4
T 5	21 11	19 33	1 25	24 17	0 46	5 41	1 12	25 19	4 39	21 11	1 38	21 42	0 25	22 54	0 42	22 49	0 41	17 46	1 33	16 51	16 30	12 26		n.a.	T 5
F 6	20 59	20 32	2 25	24 21	0 57	5 11	1 18	25 21	4 37	21 13	1 38	21 42	0 25	22 54	0 42	22 49	0 41	17 46	1 33	16 50	16 29	12 28		n.a.	F 6
S 7	20 47	20 31	3 20	24 22	1 6	4 41	1 23	25 23	4 35	21 15	1 38	21 41	0 25	22 54	0 42	22 49	0 41	17 46	1 33	16 48	16 28	12 30		n.a.	S 7
S 8	20 35	19 27	4 6	24 21	1 15	4 11	1 29	25 25	4 33	21 17	1 38	21 41	0 25	22 55	0 42	22 48	0 41	17 46	1 32	16 46	16 27	12 31		n.a.	S 8
M 9	20 22	17 18	4 39	24 17	1 23	3 41	1 35	25 27	4 31	21 19	1 38	21 41	0 25	22 55	0 42	22 48	0 41	17 46	1 32	16 42	16 26	12 33		n.a.	M 9
T 10	20 9	14 11	4 58	24 11	1 30	3 11	1 40	25 30	4 29	21 21	1 38	21 41	0 25	22 55	0 42	22 48	0 41	17 46	1 32	16 39	16 25	12 34		n.a.	T 10
W11	19 55	10 13	5 0	24 2	1 35	2 41	1 46	25 32	4 27	21 23	1 38	21 41	0 24	22 56	0 42	22 47	0 41	17 46	1 32	16 35	16 24	12 36		n.a.	W11
T 12	19 41	5 40	4 44	23 50	1 40	2 11	1 52	25 34	4 25	21 25	1 38	21 41	0 24	22 56	0 42	22 47	0 41	17 46	1 32	16 32	16 23	12 38		n.a.	T 12
F 13	19 27	0 46	4 10	23 36	1 44	1 41	1 58	25 37	4 23	21 27	1 38	21 41	0 24	22 56	0 42	22 47	0 42	17 46	1 32	16 30	16 22	12 39		n.a.	F 13
S 14	19 13	4n12	3 21	23 20	1 47	1 11	2 4	25 39	4 21	21 29	1 38	21 40	0 24	22 57	0 42	22 46	0 42	17 46	1 32	16 28	16 22	12 41		n.a.	S 14
S 15	18 58	8 57	2 19	23 1	1 49	0 41	2 10	25 42	4 19	21 31	1 38	21 40	0 24	22 57	0 42	22 46	0 42	17 46	1 31	16 27	16 21	12 42		n.a.	S 15
M16	18 42	13 11	1 9	22 41	1 51	0 12	2 16	25 44	4 17	21 33	1 39	21 40	0 24	22 58	0 42	22 46	0 42	17 46	1 31	16 27	16 20	12 44		n.a.	M16
T 17	18 27	16 39	0s 5	22 18	1 51	0s18	2 22	25 47	4 14	21 35	1 39	21 40	0 24	22 58	0 42	22 45	0 42	17 46	1 31	16 27	16 19	12 46		n.a.	T 17
W18	18 11	19 6	1 18	21 53	1 51	0 48	2 28	25 49	4 12	21 36	1 39	21 40	0 24	22 58	0 42	22 45	0 42	17 46	1 31	16 26	16 18	12 47		n.a.	W18
T 19	17 55	20 24	2 26	21 27	1 51	1 17	2 34	25 52	4 10	21 38	1 39	21 40	0 23	22 59	0 42	22 45	0 42	17 46	1 31	16 26	16 17	12 49		n.a.	T 19
F 20	17 38	20 26	3 25	20 59	1 50	1 47	2 40	25 54	4 8	21 40	1 39	21 40	0 23	22 59	0 42	22 44	0 42	17 47	1 31	16 24	16 16	12 50		n.a.	F 20
S 21	17 21	19 16	4 11	20 29	1 48	2 16	2 46	25 57	4 6	21 42	1 39	21 40	0 23	22 59	0 42	22 44	0 42	17 47	1 31	16 22	16 15	12 52		n.a.	S 21
S 22	17 4	17 2	4 43	19 58	1 46	2 45	2 52	25 59	4 4	21 44	1 39	21 40	0 23	23 0	0 42	22 44	0 42	17 47	1 30	16 19	16 14	12 54		n.a.	S 22
M23	16 47	13 56	4 59	19 26	1 43	3 14	2 58	26 2	4 2	21 45	1 39	21 40	0 23	23 0	0 42	22 43	0 42	17 47	1 30	16 15	16 13	12 55		n.a.	M23
T 24	16 29	10 11	4 58	18 52	1 40	3 43	3 4	26 4	3 59	21 47	1 39	21 40	0 23	23 0	0 42	22 43	0 42	17 47	1 30	16 11	16 12	12 57		n.a.	T 24
W25	16 11	6 4	4 42	18 17	1 37	4 12	3 10	26 6	3 57	21 49	1 39	21 40	0 23	23 0	0 42	22 43	0 42	17 47	1 30	16 7	16 11	12 58		n.a.	W25
T 26	15 53	1 46	4 13	17 42	1 33	4 40	3 16	26 9	3 55	21 51	1 39	21 40	0 23	23 1	0 42	22 42	0 42	17 47	1 30	16 3	16 10	13 0		n.a.	T 26
F 27	15 34	2s32	3 32	17 5	1 29	5 8	3 22	26 11	3 53	21 52	1 39	21 41	0 22	23 1	0 42	22 42	0 42	17 48	1 30	16 1	16 9	13 1		n.a.	F 27
S 28	15 15	6 39	2 43	16 28	1 25	5 36	3 28	26 13	3 51	21 54	1 39	21 41	0 22	23 1	0 42	22 42	0 42	17 48	1 30	15 59	16 8	13 3		n.a.	S 28
S 29	14 56	10 27	1 47	15 49	1 20	6 4	3 34	26 16	3 49	21 55	1 38	21 41	0 22	23 2	0 42	22 41	0 42	17 48	1 29	15 57	16 7	13 5		n.a.	S 29
M30	14 37	13 49	0 46	15 10	1 15	6 32	3 40	26 18	3 46	21 57	1 38	21 41	0 22	23 2	0 42	22 41	0 42	17 48	1 29	15 57	16 6	13 6		n.a.	M30
T 31	14n17	16s37	0n16	14n31	1n10	6s59	3s46	26s20	3s44	21s58	1s38	21s41	0n22	23s 2	0s42	22n41	0n42	17s48	1n29	15s57	16s 5	13s 8		n.a.	T 31

Julian Day Number = 1103632.5, Delta T = 11h00m04s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'16, Lahiri = -27°17'16 Julian Calendar 1 Aug. 1692 BCE == Greg. Calendar 18 July 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

SEPTEMBER 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 41 53	23♌27'55	27♏40	26♌43	9♎38	12♐20	0°R37	7♐57	20°R 4	22♋26	24♏29	12°R44	13♏ 7	1♏23	n.a.	W 1
T 2	21 45 50	24°27'35	9♐43	28°24	10°30	12°50	0♒30	7°57	20♑ 3	22°28	24°30	12♏43	13° 3	1°29	n.a.	T 2
F 3	21 49 47	25°27'18	22° 2	0♍ 4	11°22	13°21	0°23	7°58	20° 1	22°30	24°30	12°40	13° 0	1°36	n.a.	F 3
S 4	21 53 43	26°27'02	4♑40	1°43	12°14	13°52	0°17	7°59	19°59	22°32	24°30	12°35	12°57	1°43	n.a.	S 4
S 5	21 57 40	27°26'49	17°43	3°21	13° 4	14°23	0°11	8° 0	19°57	22°33	24°31	12°27	12°54	1°49	n.a.	S 5
M 6	22 1 36	28°26'37	1♒11	4°59	13°54	14°54	0° 5	8° 1	19°55	22°35	24°31	12°17	12°51	1°56	n.a.	M 6
T 7	22 5 33	29°26'27	15° 3	6°36	14°44	15°26	29♑59	8° 2	19°54	22°37	24°32	12° 6	12°48	2° 3	n.a.	T 7
W 8	22 9 29	0♍26'19	29°15	8°13	15°32	15°58	29°53	8° 3	19°52	22°39	24°32	11°54	12°44	2° 9	n.a.	W 8
T 9	22 13 26	1°26'14	13♓44	9°49	16°20	16°31	29°47	8° 4	19°50	22°41	24°33	11°44	12°41	2°16	n.a.	T 9
F 10	22 17 22	2°26'10	28°21	11°24	17° 7	17° 3	29°41	8° 5	19°49	22°43	24°33	11°35	12°38	2°23	n.a.	F 10
S 11	22 21 19	3°26'09	12♈59	12°59	17°53	17°36	29°36	8° 7	19°47	22°45	24°34	11°30	12°35	2°29	n.a.	S 11
S 12	22 25 15	4°26'10	27°33	14°33	18°38	18° 9	29°31	8° 8	19°46	22°46	24°35	11°27	12°32	2°36	n.a.	S 12
M13	22 29 12	5°26'13	11♉57	16° 7	19°22	18°42	29°26	8°10	19°44	22°48	24°35	11°D26	12°29	2°43	n.a.	M13
T 14	22 33 9	6°26'19	26° 8	17°40	20° 5	19°16	29°21	8°11	19°43	22°50	24°36	11°27	12°25	2°49	n.a.	T 14
W15	22 37 5	7°26'27	10♊ 7	19°13	20°47	19°49	29°16	8°13	19°42	22°52	24°37	11°R27	12°22	2°56	n.a.	W15
T 16	22 41 2	8°26'37	23°52	20°45	21°28	20°23	29°11	8°15	19°40	22°53	24°37	11°26	12°19	3° 2	n.a.	T 16
F 17	22 44 58	9°26'50	7♋24	22°17	22° 8	20°57	29° 7	8°17	19°39	22°55	24°38	11°22	12°16	3° 9	n.a.	F 17
S 18	22 48 55	10°27'05	20°44	23°48	22°47	21°32	29° 3	8°19	19°38	22°57	24°39	11°17	12°13	3°16	n.a.	S 18
S 19	22 52 51	11°27'22	3♌52	25°19	23°24	22° 6	28°59	8°22	19°36	22°58	24°40	11° 8	12° 9	3°22	n.a.	S 19
M20	22 56 48	12°27'41	16°48	26°49	24° 1	22°41	28°55	8°24	19°35	23° 0	24°41	10°58	12° 6	3°29	n.a.	M20
T 21	23 0 44	13°28'02	29°32	28°18	24°36	23°16	28°51	8°26	19°34	23° 1	24°42	10°47	12° 3	3°36	n.a.	T 21
W22	23 4 41	14°28'25	12♍ 3	29°47	25° 9	23°51	28°47	8°29	19°33	23° 3	24°43	10°36	12° 0	3°42	n.a.	W22
T 23	23 8 38	15°28'50	24°23	1♎16	25°42	24°26	28°44	8°31	19°32	23° 4	24°44	10°27	11°57	3°49	n.a.	T 23
F 24	23 12 34	16°29'17	6♎31	2°44	26°12	25° 2	28°41	8°34	19°31	23° 6	24°44	10°19	11°54	3°56	n.a.	F 24
S 25	23 16 31	17°29'45	18°29	4°12	26°42	25°37	28°38	8°37	19°30	23° 7	24°46	10°14	11°50	4° 2	n.a.	S 25
S 26	23 20 27	18°30'15	0♏19	5°39	27° 9	26°13	28°35	8°40	19°29	23° 9	24°47	10°11	11°47	4° 9	n.a.	S 26
M27	23 24 24	19°30'47	12° 6	7° 5	27°36	26°49	28°33	8°43	19°28	23°10	24°48	10°D11	11°44	4°16	n.a.	M27
T 28	23 28 20	20°31'21	23°52	8°31	28° 0	27°25	28°31	8°46	19°27	23°12	24°49	10°12	11°41	4°22	n.a.	T 28
W29	23 32 17	21°31'56	5♐43	9°56	28°23	28° 1	28°29	8°49	19°27	23°13	24°50	10°13	11°38	4°29	n.a.	W29
T 30	23 36 13	22♍32'32	17♐43	11♎20	28♎43	28♐38	28♑27	8♐52	19♑26	23♋14	24♏51	10°R14	11♏34	4♏36	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13n57	18s44	1n19	13n51	1n 4	7s26	3s52	26s22	3s42	22s 0	1s38	21s41	0n22	23s 2	0s41	22n40	0n42	17s49	1n29	15s57	16s 4	13s 9		n.a.
T 2	13 37	20 3	2 18	13 10	0 59	7 53	3 58	26 24	3 40	22 1	1 38	21 41	0 22	23 3	0 41	22 40	0 42	17 49	1 29	15 57	16 3	13 11		n.a.
F 3	13 17	20 26	3 13	12 29	0 53	8 19	4 4	26 26	3 38	22 3	1 38	21 42	0 22	23 3	0 41	22 40	0 42	17 49	1 29	15 56	16 2	13 12		n.a.
S 4	12 56	19 49	3 59	11 47	0 47	8 45	4 10	26 28	3 36	22 4	1 38	21 42	0 21	23 3	0 41	22 39	0 42	17 49	1 29	15 54	16 1	13 14		n.a.
S 5	12 35	18 9	4 35	11 6	0 41	9 10	4 16	26 29	3 34	22 5	1 38	21 42	0 21	23 3	0 41	22 39	0 42	17 50	1 28	15 52	16 0	13 15		n.a.
M 6	12 14	15 27	4 56	10 24	0 35	9 36	4 22	26 31	3 31	22 6	1 38	21 42	0 21	23 4	0 41	22 39	0 42	17 50	1 28	15 49	15 59	13 17		n.a.
T 7	11 53	11 50	5 2	9 41	0 28	10 1	4 28	26 33	3 29	22 8	1 38	21 43	0 21	23 4	0 41	22 39	0 42	17 50	1 28	15 45	15 58	13 19		n.a.
W 8	11 32	7 27	4 49	8 59	0 22	10 25	4 33	26 34	3 27	22 9	1 38	21 43	0 21	23 4	0 41	22 38	0 42	17 50	1 28	15 42	15 57	13 20		n.a.
T 9	11 10	2 34	4 17	8 16	0 15	10 49	4 39	26 35	3 25	22 10	1 38	21 43	0 21	23 4	0 41	22 38	0 42	17 51	1 28	15 38	15 56	13 22		n.a.
F 10	10 48	2n30	3 28	7 33	0 9	11 13	4 45	26 37	3 23	22 11	1 37	21 44	0 21	23 5	0 41	22 38	0 42	17 51	1 28	15 36	15 55	13 23		n.a.
S 11	10 26	7 27	2 25	6 50	0 2	11 36	4 50	26 38	3 21	22 12	1 37	21 44	0 21	23 5	0 41	22 37	0 42	17 51	1 28	15 34	15 54	13 25		n.a.
S 12	10 4	11 56	1 13	6 7	0s 5	11 58	4 56	26 39	3 19	22 13	1 37	21 44	0 20	23 5	0 41	22 37	0 42	17 51	1 27	15 33	15 53	13 26		n.a.
M13	9 41	15 40	0s 3	5 24	0 11	12 20	5 1	26 40	3 17	22 14	1 37	21 45	0 20	23 5	0 41	22 37	0 42	17 52	1 27	15 33	15 52	13 28		n.a.
T 14	9 19	18 24	1 18	4 41	0 18	12 42	5 6	26 41	3 15	22 15	1 37	21 45	0 20	23 5	0 41	22 37	0 42	17 52	1 27	15 33	15 51	13 29		n.a.
W15	8 56	19 58	2 27	3 58	0 25	13 3	5 11	26 41	3 13	22 16	1 37	21 46	0 20	23 6	0 41	22 36	0 42	17 52	1 27	15 33	15 50	13 31		n.a.
T 16	8 33	20 19	3 26	3 15	0 31	13 23	5 16	26 42	3 11	22 17	1 37	21 46	0 20	23 6	0 41	22 36	0 42	17 53	1 27	15 33	15 49	13 32		n.a.
F 17	8 10	19 28	4 13	2 32	0 38	13 43	5 21	26 42	3 8	22 17	1 36	21 46	0 20	23 6	0 41	22 36	0 42	17 53	1 27	15 32	15 48	13 34		n.a.
S 18	7 47	17 33	4 45	1 49	0 45	14 3	5 26	26 43	3 6	22 18	1 36	21 47	0 20	23 6	0 41	22 36	0 42	17 53	1 27	15 30	15 47	13 35		n.a.
S 19	7 24	14 45	5 2	1 7	0 51	14 21	5 30	26 43	3 4	22 19	1 36	21 47	0 20	23 6	0 41	22 35	0 42	17 54	1 26	15 27	15 46	13 37		n.a.
M20	7 1	11 17	5 3	0 24	0 58	14 39	5 35	26 43	3 2	22 20	1 36	21 48	0 20	23 6	0 41	22 35	0 42	17 54	1 26	15 24	15 45	13 38		n.a.
T 21	6 37	7 21	4 49	0s18	1 4	14 56	5 39	26 43	3 0	22 20	1 36	21 48	0 19	23 7	0 41	22 35	0 42	17 54	1 26	15 20	15 44	13 40		n.a.
W22	6 13	3 10	4 21	1 0	1 11	15 13	5 43	26 43	2 58	22 21	1 36	21 49	0 19	23 7	0 41	22 35	0 42	17 55	1 26	15 17	15 43	13 41		n.a.
T 23	5 50	1s 5	3 41	1 41	1 17	15 29	5 47	26 42	2 56	22 21	1 35	21 49	0 19	23 7	0 41	22 34	0 43	17 55	1 26	15 14	15 42	13 43		n.a.
F 24	5 26	5 14	2 51	2 23	1 23	15 44	5 51	26 42	2 54	22 22	1 35	21 50	0 19	23 7	0 41	22 34	0 43	17 55	1 26	15 11	15 41	13 44		n.a.
S 25	5 2	9 8	1 54	3 4	1 30	15 58	5 54	26 41	2 52	22 22	1 35	21 51	0 19	23 7	0 41	22 34	0 43	17 56	1 26	15 10	15 40	13 46		n.a.
S 26	4 38	12 37	0 53	3 44	1 36	16 11	5 58	26 40	2 50	22 22	1 35	21 51	0 19	23 7	0 41	22 34	0 43	17 56	1 26	15 9	15 39	13 47		n.a.
M27	4 14	15 35	0n10	4 25	1 41	16 24	6 1	26 39	2 48	22 23	1 35	21 52	0 19	23 7	0 41	22 33	0 43	17 57	1 25	15 9	15 38	13 49		n.a.
T 28	3 49	17 54	1 13	5 4	1 47	16 35	6 3	26 38	2 47	22 23	1 34	21 52	0 19	23 7	0 41	22 33	0 43	17 57	1 25	15 9	15 37	13 50		n.a.
W29	3 25	19 28	2 14	5 43	1 53	16 46	6 6	26 37	2 45	22 23	1 34	21 53	0 18	23 7	0 41	22 33	0 43	17 57	1 25	15 9	15 36	13 51		n.a.
T 30	3n 1	20s10	3n 9	6s22	1s58	16s56	6s 8	26s36	2s43	22s24	1s34	21s54	0n18	23s 8	0s41	22n33	0n43	17s58	1n25	15s10	15s35	13s53		n.a.

Julian Day Number = 1103663.5, Delta T = 11h00m02s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'12, Lahiri = -27°17'11 Julian Calendar 1 Sept. 1692 BCE == Greg. Calendar 18 Aug. 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

OCTOBER 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 40 10	23♍33'10	29♐58	12♎43	29♎ 2	29♐14	28°R25	8♐55	19°R25	23♋16	24♏52	10°R14	11♏31	4♏42	n.a.	F 1
S 2	23 44 6	24°33'49	12♑34	14° 6	29°19	29°51	28♑23	8°59	19♑25	23°17	24°53	10♏12	11°28	4°49	n.a.	S 2
S 3	23 48 3	25°34'29	25°34	15°27	29°34	0♑28	28°22	9° 2	19°24	23°18	24°55	10° 8	11°25	4°55	n.a.	S 3
M 4	23 52 0	26°35'11	9♒ 1	16°48	29°46	1° 4	28°21	9° 6	19°24	23°19	24°56	10° 3	11°22	5° 2	n.a.	M 4
T 5	23 55 56	27°35'55	22°57	18° 7	29°57	1°41	28°20	9°10	19°23	23°21	24°57	9°56	11°19	5° 9	n.a.	T 5
W 6	23 59 53	28°36'39	7♓19	19°25	0♏ 5	2°19	28°20	9°13	19°23	23°22	24°58	9°49	11°15	5°15	n.a.	W 6
T 7	0 3 49	29°37'25	22° 2	20°41	0°11	2°56	28°19	9°17	19°22	23°23	25° 0	9°43	11°12	5°22	n.a.	T 7
F 8	0 7 46	0♎38'12	6♈59	21°56	0°15	3°33	28°19	9°21	19°22	23°24	25° 1	9°38	11° 9	5°29	n.a.	F 8
S 9	0 11 42	1°39'01	22° 1	23° 8	0°R16	4°11	28°D19	9°25	19°22	23°25	25° 2	9°35	11° 6	5°35	n.a.	S 9
S 10	0 15 39	2°39'51	6♉59	24°19	0°15	4°48	28°19	9°29	19°22	23°26	25° 4	9°D34	11° 3	5°42	n.a.	S 10
M11	0 19 35	3°40'43	21°46	25°26	0°11	5°26	28°19	9°34	19°21	23°27	25° 5	9°34	11° 0	5°49	n.a.	M11
T 12	0 23 32	4°41'37	6♊16	26°31	0° 5	6° 4	28°20	9°38	19°21	23°28	25° 7	9°35	10°56	5°55	n.a.	T 12
W13	0 27 29	5°42'33	20°26	27°33	29♎57	6°42	28°21	9°42	19°21	23°29	25° 8	9°37	10°53	6° 2	n.a.	W13
T 14	0 31 25	6°43'29	4♋15	28°30	29°46	7°20	28°22	9°47	19°D21	23°30	25°10	9°R38	10°50	6° 9	n.a.	T 14
F 15	0 35 22	7°44'28	17°44	29°24	29°32	7°58	28°23	9°51	19°21	23°31	25°11	9°37	10°47	6°15	n.a.	F 15
S 16	0 39 18	8°45'28	0♌53	0♏12	29°17	8°36	28°24	9°56	19°21	23°32	25°13	9°35	10°44	6°22	n.a.	S 16
S 17	0 43 15	9°46'29	13°46	0°55	28°58	9°14	28°26	10° 0	19°21	23°33	25°14	9°32	10°40	6°29	n.a.	S 17
M18	0 47 11	10°47'32	26°24	1°32	28°38	9°53	28°28	10° 5	19°22	23°33	25°16	9°28	10°37	6°35	n.a.	M18
T 19	0 51 8	11°48'36	8♍50	2° 2	28°15	10°31	28°30	10°10	19°22	23°34	25°17	9°23	10°34	6°42	n.a.	T 19
W20	0 55 4	12°49'42	21° 5	2°24	27°50	11° 9	28°32	10°15	19°22	23°35	25°19	9°18	10°31	6°48	n.a.	W20
T 21	0 59 1	13°50'48	3♎11	2°37	27°24	11°48	28°34	10°20	19°23	23°36	25°21	9°13	10°28	6°55	n.a.	T 21
F 22	1 2 58	14°51'56	15° 9	2°R41	26°55	12°27	28°37	10°25	19°23	23°36	25°22	9°10	10°25	7° 2	n.a.	F 22
S 23	1 6 54	15°53'04	27° 0	2°35	26°25	13° 5	28°40	10°30	19°23	23°37	25°24	9° 8	10°21	7° 8	n.a.	S 23
S 24	1 10 51	16°54'14	8♏48	2°18	25°53	13°44	28°43	10°35	19°24	23°38	25°26	9°D 8	10°18	7°15	n.a.	S 24
M25	1 14 47	17°55'24	20°34	1°50	25°20	14°23	28°46	10°40	19°24	23°38	25°27	9° 8	10°15	7°22	n.a.	M25
T 26	1 18 44	18°56'35	2♐22	1°10	24°45	15° 2	28°49	10°46	19°25	23°39	25°29	9° 9	10°12	7°28	n.a.	T 26
W27	1 22 40	19°57'47	14°14	0°20	24°10	15°41	28°53	10°51	19°26	23°39	25°31	9°11	10° 9	7°35	n.a.	W27
T 28	1 26 37	20°59'00	26°15	29♎19	23°34	16°20	28°57	10°56	19°26	23°40	25°32	9°13	10° 5	7°42	n.a.	T 28
F 29	1 30 33	22° 0'13	8♑28	28° 9	22°58	16°59	29° 1	11° 2	19°27	23°40	25°34	9°14	10° 2	7°48	n.a.	F 29
S 30	1 34 30	23° 1'26	20°59	26°53	22°21	17°39	29° 5	11° 7	19°28	23°40	25°36	9°R14	9°59	7°55	n.a.	S 30
S 31	1 38 27	24♎ 2'40	3♒52	25♎32	21♎45	18♑18	29♑ 9	11♐13	19♑29	23♋41	25♏38	9♏14	9♏56	8♏ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	2n36	19s56	3n57	7s 0	2s 3	17s 4	6s10	26s34	2s41	22s24	1s34	21s54	0n18	23s 8	0s41	22n33	0n43	17s58	1n25	15s10	15s34	13s54		n.a.	F 1
S 2	2 12	18 43	4 35	7 37	2 8	17 12	6 11	26 32	2 39	22 24	1 34	21 55	0 18	23 8	0 41	22 32	0 43	17 59	1 25	15 9	15 33	13 56		n.a.	S 2
S 3	1 47	16 31	5 0	8 13	2 12	17 19	6 13	26 30	2 37	22 24	1 33	21 55	0 18	23 8	0 41	22 32	0 43	17 59	1 25	15 8	15 32	13 57		n.a.	S 3
M 4	1 23	13 22	5 10	8 49	2 16	17 24	6 13	26 28	2 35	22 24	1 33	21 56	0 18	23 8	0 41	22 32	0 43	18 0	1 24	15 6	15 31	13 59		n.a.	M 4
T 5	0 58	9 22	5 2	9 23	2 20	17 28	6 14	26 26	2 33	22 24	1 33	21 57	0 18	23 8	0 41	22 32	0 43	18 0	1 24	15 4	15 30	14 0		n.a.	T 5
W 6	0 34	4 44	4 35	9 57	2 24	17 31	6 14	26 23	2 31	22 24	1 33	21 58	0 18	23 8	0 41	22 32	0 43	18 0	1 24	15 2	15 29	14 2		n.a.	W 6
T 7	0 9	0n17	3 50	10 29	2 27	17 33	6 13	26 21	2 29	22 24	1 32	21 58	0 18	23 8	0 41	22 32	0 43	18 1	1 24	15 0	15 28	14 3		n.a.	T 7
F 8	0s15	5 23	2 48	11 0	2 30	17 33	6 12	26 18	2 28	22 23	1 32	21 59	0 17	23 8	0 41	22 31	0 43	18 1	1 24	14 58	15 27	14 4		n.a.	F 8
S 9	0 40	10 11	1 34	11 30	2 32	17 32	6 11	26 15	2 26	22 23	1 32	22 0	0 17	23 8	0 41	22 31	0 43	18 2	1 24	14 57	15 26	14 6		n.a.	S 9
S 10	1 5	14 19	0 14	11 58	2 33	17 30	6 9	26 12	2 24	22 23	1 32	22 0	0 17	23 8	0 41	22 31	0 43	18 2	1 24	14 57	15 25	14 7		n.a.	S 10
M11	1 29	17 29	1s 6	12 24	2 34	17 26	6 6	26 9	2 22	22 23	1 32	22 1	0 17	23 8	0 41	22 31	0 43	18 3	1 24	14 57	15 24	14 9		n.a.	M11
T 12	1 54	19 27	2 21	12 49	2 35	17 21	6 3	26 5	2 20	22 22	1 31	22 2	0 17	23 8	0 41	22 31	0 43	18 3	1 23	14 57	15 23	14 10		n.a.	T 12
W13	2 19	20 8	3 25	13 11	2 34	17 15	5 59	26 1	2 19	22 22	1 31	22 3	0 17	23 8	0 40	22 31	0 43	18 4	1 23	14 58	15 22	14 12		n.a.	W13
T 14	2 43	19 34	4 16	13 31	2 33	17 7	5 55	25 57	2 17	22 21	1 31	22 3	0 17	23 8	0 40	22 31	0 43	18 4	1 23	14 58	15 21	14 13		n.a.	T 14
F 15	3 8	17 53	4 51	13 49	2 31	16 57	5 50	25 53	2 15	22 21	1 31	22 4	0 17	23 8	0 40	22 30	0 43	18 5	1 23	14 58	15 20	14 14		n.a.	F 15
S 16	3 32	15 18	5 10	14 4	2 28	16 46	5 44	25 49	2 13	22 21	1 30	22 5	0 17	23 8	0 40	22 30	0 43	18 5	1 23	14 57	15 19	14 16		n.a.	S 16
S 17	3 57	12 1	5 12	14 16	2 24	16 34	5 38	25 45	2 11	22 20	1 30	22 6	0 17	23 8	0 40	22 30	0 43	18 6	1 23	14 56	15 18	14 17		n.a.	S 17
M18	4 21	8 15	5 0	14 24	2 19	16 19	5 31	25 40	2 10	22 19	1 30	22 7	0 16	23 8	0 40	22 30	0 43	18 6	1 23	14 55	15 17	14 19		n.a.	M18
T 19	4 45	4 12	4 33	14 29	2 13	16 4	5 23	25 35	2 8	22 19	1 30	22 7	0 16	23 8	0 40	22 30	0 43	18 7	1 23	14 53	15 16	14 20		n.a.	T 19
W20	5 10	0 1	3 54	14 29	2 5	15 47	5 15	25 30	2 6	22 18	1 29	22 8	0 16	23 8	0 40	22 30	0 43	18 7	1 22	14 52	15 15	14 21		n.a.	W20
T 21	5 34	4s 7	3 5	14 25	1 56	15 28	5 6	25 25	2 5	22 17	1 29	22 9	0 16	23 7	0 40	22 30	0 43	18 8	1 22	14 50	15 14	14 23		n.a.	T 21
F 22	5 58	8 2	2 8	14 17	1 45	15 9	4 56	25 20	2 3	22 16	1 29	22 10	0 16	23 7	0 40	22 30	0 44	18 8	1 22	14 49	15 13	14 24		n.a.	F 22
S 23	6 22	11 38	1 6	14 3	1 33	14 47	4 45	25 14	2 1	22 16	1 29	22 11	0 16	23 7	0 40	22 30	0 44	18 9	1 22	14 49	15 12	14 26		n.a.	S 23
S 24	6 46	14 44	0 2	13 44	1 19	14 25	4 34	25 9	1 59	22 15	1 28	22 12	0 16	23 7	0 40	22 30	0 44	18 9	1 22	14 48	15 11	14 27		n.a.	S 24
M25	7 10	17 13	1n 3	13 20	1 4	14 2	4 22	25 3	1 58	22 14	1 28	22 12	0 16	23 7	0 40	22 30	0 44	18 10	1 22	14 49	15 10	14 28		n.a.	M25
T 26	7 33	18 59	2 5	12 50	0 47	13 37	4 10	24 57	1 56	22 13	1 28	22 13	0 16	23 7	0 40	22 30	0 44	18 10	1 22	14 49	15 9	14 30		n.a.	T 26
W27	7 57	19 55	3 2	12 15	0 28	13 12	3 57	24 51	1 55	22 12	1 28	22 14	0 15	23 7	0 40	22 29	0 44	18 11	1 22	14 50	15 8	14 31		n.a.	W27
T 28	8 20	19 58	3 52	11 35	0 9	12 46	3 43	24 44	1 53	22 11	1 28	22 15	0 15	23 7	0 40	22 29	0 44	18 11	1 21	14 50	15 7	14 32		n.a.	T 28
F 29	8 44	19 4	4 33	10 51	0n11	12 19	3 29	24 38	1 51	22 10	1 27	22 16	0 15	23 7	0 40	22 29	0 44	18 12	1 21	14 50	15 6	14 34		n.a.	F 29
S 30	9 7	17 15	5 1	10 3	0 32	11 52	3 15	24 31	1 50	22 9	1 27	22 17	0 15	23 6	0 40	22 29	0 44	18 12	1 21	14 51	15 5	14 35		n.a.	S 30
S 31	9s30	14s32	5n16	9s15	0n52	11s24	3s 0	24s24	1s48	22s 8	1s27	22s18	0n15	23s 6	0s40	22n29	0n44	18s13	1n21	14s51	15s 4	14s37		n.a.	S 31

Julian Day Number = 1103693.5, Delta T = 11h00m00s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'08, Lahiri = -27°17'07 Julian Calendar 1 Oct. 1692 BCE == Greg. Calendar 17 Sept. 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

NOVEMBER 1692 BCE (-1691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 42 23	25♎ 3'54	17♒11	24°R 9	21°R 9	18♉57	29♉14	11♐19	19♉30	23♋41	25♏40	9°R13	9♏53	8♏ 8	n.a.	M 1
T 2	1 46 20	26° 5'08	0♓57	22♎47	20♎34	19°36	29°19	11°25	19°31	23°41	25°42	9♏12	9°50	8°15	n.a.	T 2
W 3	1 50 16	27° 6'23	15°11	21°29	19°59	20°16	29°23	11°30	19°32	23°42	25°43	9°10	9°46	8°21	n.a.	W 3
T 4	1 54 13	28° 7'37	29°51	20°17	19°25	20°55	29°29	11°36	19°33	23°42	25°45	9° 9	9°43	8°28	n.a.	T 4
F 5	1 58 9	29° 8'53	14♈51	19°13	18°53	21°35	29°34	11°42	19°34	23°42	25°47	9° 8	9°40	8°35	n.a.	F 5
S 6	2 2 6	0♏10'08	0♉ 3	18°19	18°23	22°14	29°39	11°48	19°35	23°42	25°49	9° 7	9°37	8°41	n.a.	S 6
S 7	2 6 2	1°11'24	15°17	17°35	17°54	22°54	29°45	11°54	19°36	23°42	25°51	9°D 7	9°34	8°48	n.a.	S 7
M 8	2 9 59	2°12'41	0♊24	17° 2	17°26	23°34	29°51	12° 0	19°38	23°42	25°53	9° 7	9°31	8°55	n.a.	M 8
T 9	2 13 56	3°13'58	15°15	16°40	17° 1	24°13	29°57	12° 6	19°39	23°42	25°55	9° 8	9°27	9° 1	n.a.	T 9
W10	2 17 52	4°15'16	29°43	16°29	16°39	24°53	0♒ 3	12°12	19°40	23°R42	25°57	9° 8	9°24	9° 8	n.a.	W10
T 11	2 21 49	5°16'34	13♋46	16°D27	16°18	25°33	0° 9	12°19	19°42	23°42	25°59	9° 9	9°21	9°15	n.a.	T 11
F 12	2 25 45	6°17'53	27°23	16°35	16° 0	26°12	0°16	12°25	19°43	23°42	26° 1	9° 9	9°18	9°21	n.a.	F 12
S 13	2 29 42	7°19'12	10♌35	16°52	15°44	26°52	0°22	12°31	19°45	23°42	26° 3	9°R 9	9°15	9°28	n.a.	S 13
S 14	2 33 38	8°20'31	23°24	17°17	15°30	27°32	0°29	12°38	19°46	23°42	26° 5	9° 9	9°11	9°35	n.a.	S 14
M15	2 37 35	9°21'51	5♍54	17°48	15°20	28°12	0°36	12°44	19°48	23°42	26° 7	9°D 9	9° 8	9°41	n.a.	M15
T 16	2 41 32	10°23'11	18° 9	18°26	15°11	28°52	0°43	12°50	19°49	23°42	26° 9	9° 9	9° 5	9°48	n.a.	T 16
W17	2 45 28	11°24'31	0♎12	19°10	15° 5	29°31	0°51	12°57	19°51	23°42	26°11	9° 9	9° 2	9°55	n.a.	W17
T 18	2 49 25	12°25'51	12° 8	19°59	15° 2	0♒11	0°58	13° 3	19°53	23°41	26°13	9°10	8°59	10° 1	n.a.	T 18
F 19	2 53 21	13°27'11	23°58	20°52	15°D 1	0°51	1° 6	13°10	19°54	23°41	26°15	9°10	8°56	10° 8	n.a.	F 19
S 20	2 57 18	14°28'32	5♏45	21°50	15° 3	1°31	1°14	13°17	19°56	23°41	26°17	9°R10	8°52	10°14	n.a.	S 20
S 21	3 1 14	15°29'52	17°32	22°50	15° 7	2°11	1°22	13°23	19°58	23°40	26°19	9°10	8°49	10°21	n.a.	S 21
M22	3 5 11	16°31'12	29°21	23°54	15°13	2°51	1°30	13°30	20° 0	23°40	26°21	9°10	8°46	10°28	n.a.	M22
T 23	3 9 7	17°32'32	11♐14	25° 1	15°22	3°31	1°38	13°37	20° 2	23°39	26°23	9° 9	8°43	10°34	n.a.	T 23
W24	3 13 4	18°33'51	23°13	26°10	15°32	4°11	1°46	13°44	20° 4	23°39	26°25	9° 7	8°40	10°41	n.a.	W24
T 25	3 17 1	19°35'10	5♉21	27°21	15°46	4°52	1°55	13°50	20° 6	23°39	26°27	9° 6	8°37	10°48	n.a.	T 25
F 26	3 20 57	20°36'29	17°39	28°35	16° 1	5°32	2° 3	13°57	20° 8	23°38	26°29	9° 4	8°33	10°54	n.a.	F 26
S 27	3 24 54	21°37'46	0♒12	29°50	16°18	6°12	2°12	14° 4	20°10	23°37	26°31	9° 3	8°30	11° 1	n.a.	S 27
S 28	3 28 50	22°39'03	13° 2	1♏ 7	16°37	6°52	2°21	14°11	20°12	23°37	26°33	9° 2	8°27	11° 8	n.a.	S 28
M29	3 32 47	23°40'19	26°13	2°25	16°59	7°32	2°30	14°18	20°15	23°36	26°35	9°D 2	8°24	11°14	n.a.	M29
T 30	3 36 43	24♏41'34	9♓47	3♏44	17♎22	8♒12	2♒40	14♐25	20♉17	23♋36	26♏37	9♏ 2	8♏21	11♏21	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9s53	10s59	5n14	8s25	1n12	10s56	2s45	24s17	1s46	22s 6	1s27	22s19	0n15	23s 6	0s40	22n29	0n44	18s14	1n21	14s50	15s 3	14s38		n.a.
T 2	10 15	6 45	4 55	7 37	1 31	10 28	2 29	24 9	1 45	22 5	1 26	22 20	0 15	23 6	0 40	22 29	0 44	18 14	1 21	14 50	15 2	14 39		n.a.
W 3	10 38	2 0	4 17	6 52	1 48	10 1	2 14	24 2	1 43	22 4	1 26	22 20	0 15	23 6	0 40	22 29	0 44	18 15	1 21	14 49	15 1	14 41		n.a.
T 4	11 0	3n 1	3 21	6 10	2 3	9 33	1 58	23 54	1 42	22 3	1 26	22 21	0 15	23 6	0 40	22 29	0 44	18 15	1 21	14 49	15 0	14 42		n.a.
F 5	11 23	7 58	2 11	5 34	2 16	9 7	1 43	23 46	1 40	22 1	1 26	22 22	0 15	23 5	0 40	22 29	0 44	18 16	1 21	14 48	14 59	14 43		n.a.
S 6	11 45	12 29	0 50	5 3	2 27	8 40	1 27	23 38	1 39	22 0	1 25	22 23	0 15	23 5	0 40	22 29	0 44	18 16	1 20	14 48	14 58	14 45		n.a.
S 7	12 6	16 11	0s34	4 37	2 36	8 15	1 11	23 30	1 37	21 58	1 25	22 24	0 14	23 5	0 40	22 29	0 44	18 17	1 20	14 48	14 57	14 46		n.a.
M 8	12 28	18 44	1 56	4 18	2 43	7 50	0 56	23 22	1 36	21 57	1 25	22 25	0 14	23 5	0 40	22 29	0 44	18 17	1 20	14 48	14 56	14 47		n.a.
T 9	12 49	19 57	3 8	4 5	2 48	7 26	0 41	23 13	1 34	21 55	1 25	22 26	0 14	23 4	0 40	22 29	0 44	18 18	1 20	14 48	14 55	14 49		n.a.
W10	13 11	19 47	4 6	3 58	2 51	7 3	0 26	23 4	1 33	21 54	1 25	22 27	0 14	23 4	0 40	22 29	0 44	18 19	1 20	14 49	14 54	14 50		n.a.
T 11	13 32	18 23	4 48	3 57	2 52	6 42	0 11	22 55	1 31	21 52	1 24	22 28	0 14	23 4	0 40	22 29	0 44	18 19	1 20	14 49	14 53	14 51		n.a.
F 12	13 52	15 59	5 12	4 0	2 52	6 22	0n 3	22 46	1 30	21 51	1 24	22 29	0 14	23 4	0 40	22 30	0 44	18 20	1 20	14 49	14 52	14 53		n.a.
S 13	14 13	12 49	5 18	4 7	2 51	6 3	0 17	22 37	1 28	21 49	1 24	22 30	0 14	23 4	0 40	22 30	0 44	18 20	1 20	14 49	14 51	14 54		n.a.
S 14	14 33	9 7	5 9	4 19	2 49	5 45	0 31	22 28	1 27	21 47	1 24	22 31	0 14	23 3	0 40	22 30	0 44	18 21	1 20	14 49	14 50	14 55		n.a.
M15	14 53	5 7	4 44	4 35	2 45	5 28	0 44	22 18	1 25	21 45	1 24	22 31	0 14	23 3	0 40	22 30	0 44	18 21	1 19	14 49	14 49	14 56		n.a.
T 16	15 13	0 59	4 8	4 53	2 41	5 13	0 57	22 8	1 24	21 44	1 23	22 32	0 14	23 3	0 40	22 30	0 44	18 22	1 19	14 49	14 48	14 58		n.a.
W17	15 32	3s 8	3 20	5 14	2 36	5 0	1 9	21 59	1 22	21 42	1 23	22 33	0 14	23 2	0 39	22 30	0 44	18 23	1 19	14 49	14 47	14 59		n.a.
T 18	15 51	7 6	2 25	5 38	2 31	4 48	1 21	21 49	1 21	21 40	1 23	22 34	0 13	23 2	0 39	22 30	0 45	18 23	1 19	14 49	14 46	15 0		n.a.
F 19	16 10	10 46	1 24	6 4	2 25	4 37	1 32	21 38	1 20	21 38	1 23	22 35	0 13	23 2	0 39	22 30	0 45	18 24	1 19	14 49	14 44	15 2		n.a.
S 20	16 29	13 59	0 19	6 32	2 18	4 27	1 43	21 28	1 18	21 36	1 23	22 36	0 13	23 2	0 39	22 30	0 45	18 24	1 19	14 49	14 43	15 3		n.a.
S 21	16 47	16 39	0n46	7 1	2 12	4 19	1 53	21 17	1 17	21 34	1 22	22 37	0 13	23 1	0 39	22 30	0 45	18 25	1 19	14 49	14 42	15 4		n.a.
M22	17 5	18 36	1 50	7 31	2 5	4 13	2 3	21 7	1 16	21 32	1 22	22 38	0 13	23 1	0 39	22 30	0 45	18 26	1 19	14 49	14 41	15 6		n.a.
T 23	17 23	19 45	2 49	8 3	1 57	4 7	2 13	20 56	1 14	21 30	1 22	22 39	0 13	23 1	0 39	22 30	0 45	18 26	1 19	14 49	14 40	15 7		n.a.
W24	17 40	20 2	3 41	8 35	1 50	4 3	2 22	20 45	1 13	21 28	1 22	22 40	0 13	23 0	0 39	22 31	0 45	18 27	1 19	14 48	14 39	15 8		n.a.
T 25	17 58	19 23	4 24	9 8	1 42	4 1	2 30	20 34	1 11	21 26	1 22	22 41	0 13	23 0	0 39	22 31	0 45	18 27	1 18	14 48	14 38	15 9		n.a.
F 26	18 14	17 49	4 55	9 42	1 35	3 59	2 38	20 23	1 10	21 24	1 21	22 42	0 13	23 0	0 39	22 31	0 45	18 28	1 18	14 47	14 37	15 11		n.a.
S 27	18 31	15 23	5 13	10 16	1 27	3 59	2 46	20 11	1 9	21 21	1 21	22 43	0 13	22 59	0 39	22 31	0 45	18 28	1 18	14 47	14 36	15 12		n.a.
S 28	18 47	12 10	5 16	10 51	1 19	4 0	2 53	20 0	1 8	21 19	1 21	22 43	0 13	22 59	0 39	22 31	0 45	18 29	1 18	14 47	14 35	15 13		n.a.
M29	19 2	8 16	5 3	11 25	1 11	4 2	3 0	19 48	1 6	21 17	1 21	22 44	0 12	22 59	0 39	22 31	0 45	18 30	1 18	14 47	14 34	15 14		n.a.
T 30	19s18	3s51	4n33	12s 0	1n 3	4s 5	3n 6	19s36	1s 5	21s14	1s21	22s45	0n12	22s58	0s39	22n31	0n45	18s30	1n18	14s47	14s33	15s16		n.a.

Julian Day Number = 1103724.5, Delta T = 10h59m59s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'04, Lahiri = -27°17'03 Julian Calendar 1 Nov. 1692 BCE == Greg. Calendar 18 Oct. 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1692 BCE
geocentric

DECEMBER 1692 BCE (-1691) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 40 40	25♏42'49	23♓45	5♏ 5	17♎46	8♒52	2♒49	14♐32	20♑19	23°R35	26♏39	9♏ 4	8♏17	11♏28	n.a.	W 1
T 2	3 44 37	26°44'02	8♈ 8	6°27	18°13	9°33	2°58	14°39	20°21	23♋34	26°41	9° 5	8°14	11°34	n.a.	T 2
F 3	3 48 33	27°45'15	22°53	7°49	18°41	10°13	3° 8	14°46	20°24	23°33	26°43	9° 6	8°11	11°41	n.a.	F 3
S 4	3 52 30	28°46'26	7♉54	9°13	19°11	10°53	3°18	14°53	20°26	23°33	26°45	9°R 6	8° 8	11°47	n.a.	S 4
S 5	3 56 26	29°47'37	23° 5	10°38	19°43	11°33	3°28	15° 0	20°29	23°32	26°47	9° 6	8° 5	11°54	n.a.	S 5
M 6	4 0 23	0♐48'47	8♊15	12° 3	20°16	12°13	3°37	15° 7	20°31	23°31	26°49	9° 4	8° 2	12° 1	n.a.	M 6
T 7	4 4 19	1°49'57	23°16	13°29	20°51	12°54	3°48	15°14	20°33	23°30	26°52	9° 2	7°58	12° 7	n.a.	T 7
W 8	4 8 16	2°51'05	7♋58	14°56	21°27	13°34	3°58	15°21	20°36	23°29	26°54	8°58	7°55	12°14	n.a.	W 8
T 9	4 12 13	3°52'13	22°15	16°24	22° 4	14°14	4° 8	15°28	20°39	23°28	26°56	8°55	7°52	12°21	n.a.	T 9
F 10	4 16 9	4°53'20	6♌ 5	17°52	22°42	14°54	4°19	15°35	20°41	23°27	26°58	8°52	7°49	12°27	n.a.	F 10
S 11	4 20 6	5°54'27	19°25	19°21	23°22	15°34	4°29	15°43	20°44	23°26	27° 0	8°49	7°46	12°34	n.a.	S 11
S 12	4 24 2	6°55'33	2♍19	20°51	24° 3	16°15	4°40	15°50	20°46	23°25	27° 2	8°D48	7°43	12°41	n.a.	S 12
M13	4 27 59	7°56'38	14°50	22°21	24°45	16°55	4°51	15°57	20°49	23°24	27° 4	8°48	7°39	12°47	n.a.	M13
T 14	4 31 55	8°57'42	27° 3	23°52	25°29	17°35	5° 1	16° 4	20°52	23°23	27° 6	8°49	7°36	12°54	n.a.	T 14
W15	4 35 52	9°58'45	9♎ 3	25°24	26°13	18°15	5°12	16°11	20°55	23°22	27° 8	8°51	7°33	13° 1	n.a.	W15
T 16	4 39 48	10°59'47	20°53	26°57	26°58	18°55	5°23	16°18	20°57	23°21	27°10	8°53	7°30	13° 7	n.a.	T 16
F 17	4 43 45	12° 0'49	2♏39	28°30	27°44	19°36	5°35	16°26	21° 0	23°20	27°12	8°54	7°27	13°14	n.a.	F 17
S 18	4 47 42	13° 1'49	14°25	0♐ 3	28°32	20°16	5°46	16°33	21° 3	23°19	27°14	8°R54	7°23	13°21	n.a.	S 18
S 19	4 51 38	14° 2'48	26°14	1°38	29°20	20°56	5°57	16°40	21° 6	23°18	27°16	8°53	7°20	13°27	n.a.	S 19
M20	4 55 35	15° 3'46	8♐ 9	3°13	0♏ 9	21°36	6° 9	16°47	21° 9	23°16	27°18	8°49	7°17	13°34	n.a.	M20
T 21	4 59 31	16° 4'43	20°11	4°48	0°58	22°16	6°20	16°55	21°12	23°15	27°20	8°44	7°14	13°40	n.a.	T 21
W22	5 3 28	17° 5'39	2♑22	6°25	1°49	22°57	6°32	17° 2	21°15	23°14	27°22	8°37	7°11	13°47	n.a.	W22
T 23	5 7 24	18° 6'33	14°43	8° 2	2°40	23°37	6°44	17° 9	21°18	23°13	27°24	8°30	7° 8	13°54	n.a.	T 23
F 24	5 11 21	19° 7'25	27°16	9°40	3°32	24°17	6°56	17°16	21°21	23°11	27°26	8°22	7° 4	14° 0	n.a.	F 24
S 25	5 15 17	20° 8'16	10♒ 0	11°19	4°25	24°57	7° 8	17°24	21°24	23°10	27°28	8°15	7° 1	14° 7	n.a.	S 25
S 26	5 19 14	21° 9'05	22°58	12°58	5°18	25°37	7°20	17°31	21°27	23° 9	27°30	8°10	6°58	14°14	n.a.	S 26
M27	5 23 11	22° 9'53	6♓11	14°38	6°12	26°18	7°32	17°38	21°30	23° 7	27°32	8° 7	6°55	14°20	n.a.	M27
T 28	5 27 7	23°10'38	19°40	16°19	7° 6	26°58	7°44	17°45	21°33	23° 6	27°33	8°D 5	6°52	14°27	n.a.	T 28
W29	5 31 4	24°11'22	3♈27	18° 1	8° 2	27°38	7°56	17°53	21°36	23° 4	27°35	8° 6	6°48	14°34	n.a.	W29
T 30	5 35 0	25°12'04	17°32	19°44	8°57	28°18	8° 9	18° 0	21°39	23° 3	27°37	8° 7	6°45	14°40	n.a.	T 30
F 31	5 38 57	26♐12'43	1♉55	21♐27	9♏53	28♒58	8♒21	18♐ 7	21♑42	23♋ 2	27♏39	8°R 8	6♏42	14♏47	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s33	0n55	3n46	12s35	0n56	4s 9	3n12	19s24	1s 4	21s12	1s20	22s46	0n12	22s58	0s39	22n32	0n45	18s31	1n18	14s47	14s32	15s17		n.a.
T 2	19 48	5 47	2 43	13 10	0 48	4 14	3 18	19 12	1 2	21 10	1 20	22 47	0 12	22 58	0 39	22 32	0 45	18 31	1 18	14 47	14 31	15 18		n.a.
F 3	20 2	10 26	1 29	13 45	0 40	4 20	3 23	19 0	1 1	21 7	1 20	22 48	0 12	22 57	0 39	22 32	0 45	18 32	1 18	14 48	14 30	15 19		n.a.
S 4	20 16	14 31	0 7	14 20	0 32	4 27	3 28	18 47	1 0	21 5	1 20	22 49	0 12	22 57	0 39	22 32	0 45	18 32	1 18	14 48	14 29	15 21		n.a.
S 5	20 29	17 39	1s17	14 54	0 25	4 35	3 33	18 35	0 59	21 2	1 20	22 50	0 12	22 56	0 39	22 32	0 45	18 33	1 17	14 48	14 28	15 22		n.a.
M 6	20 42	19 34	2 34	15 28	0 17	4 44	3 37	18 22	0 57	21 0	1 20	22 51	0 12	22 56	0 39	22 32	0 45	18 34	1 17	14 47	14 27	15 23		n.a.
T 7	20 55	20 3	3 40	16 2	0 9	4 53	3 40	18 9	0 56	20 57	1 19	22 51	0 12	22 56	0 39	22 33	0 45	18 34	1 17	14 46	14 26	15 24		n.a.
W 8	21 7	19 9	4 30	16 35	0 2	5 4	3 44	17 56	0 55	20 54	1 19	22 52	0 12	22 55	0 39	22 33	0 45	18 35	1 17	14 45	14 25	15 26		n.a.
T 9	21 19	17 3	5 2	17 8	0s 5	5 15	3 47	17 43	0 54	20 52	1 19	22 53	0 12	22 55	0 39	22 33	0 45	18 35	1 17	14 44	14 24	15 27		n.a.
F 10	21 31	14 2	5 15	17 40	0 12	5 27	3 50	17 30	0 53	20 49	1 19	22 54	0 12	22 54	0 39	22 33	0 45	18 36	1 17	14 43	14 23	15 28		n.a.
S 11	21 42	10 23	5 10	18 12	0 19	5 39	3 52	17 17	0 51	20 46	1 19	22 55	0 11	22 54	0 39	22 33	0 45	18 36	1 17	14 42	14 22	15 29		n.a.
S 12	21 52	6 21	4 49	18 43	0 26	5 52	3 55	17 4	0 50	20 44	1 19	22 56	0 11	22 53	0 39	22 34	0 45	18 37	1 17	14 42	14 20	15 31		n.a.
M13	22 3	2 10	4 15	19 14	0 33	6 6	3 57	16 50	0 49	20 41	1 18	22 57	0 11	22 53	0 39	22 34	0 45	18 38	1 17	14 42	14 19	15 32		n.a.
T 14	22 12	2s 1	3 30	19 44	0 39	6 20	3 58	16 37	0 48	20 38	1 18	22 58	0 11	22 53	0 39	22 34	0 45	18 38	1 17	14 42	14 18	15 33		n.a.
W15	22 22	6 2	2 37	20 13	0 46	6 35	4 0	16 23	0 47	20 35	1 18	22 58	0 11	22 52	0 39	22 34	0 45	18 39	1 17	14 43	14 17	15 34		n.a.
T 16	22 31	9 48	1 37	20 41	0 52	6 51	4 1	16 9	0 46	20 32	1 18	22 59	0 11	22 52	0 39	22 34	0 45	18 39	1 16	14 44	14 16	15 35		n.a.
F 17	22 39	13 9	0 34	21 8	0 58	7 6	4 2	15 55	0 44	20 29	1 18	23 0	0 11	22 51	0 39	22 35	0 46	18 40	1 16	14 44	14 15	15 37		n.a.
S 18	22 47	15 59	0n30	21 35	1 4	7 23	4 3	15 41	0 43	20 26	1 18	23 1	0 11	22 51	0 39	22 35	0 46	18 40	1 16	14 44	14 14	15 38		n.a.
S 19	22 55	18 10	1 33	22 0	1 9	7 39	4 3	15 27	0 42	20 23	1 18	23 2	0 11	22 50	0 39	22 35	0 46	18 41	1 16	14 44	14 13	15 39		n.a.
M20	23 2	19 34	2 33	22 25	1 14	7 57	4 3	15 13	0 41	20 20	1 17	23 2	0 11	22 50	0 39	22 35	0 46	18 41	1 16	14 42	14 12	15 40		n.a.
T 21	23 9	20 6	3 26	22 48	1 20	8 14	4 3	14 59	0 40	20 17	1 17	23 3	0 11	22 49	0 39	22 36	0 46	18 42	1 16	14 41	14 11	15 41		n.a.
W22	23 15	19 42	4 11	23 10	1 24	8 32	4 3	14 44	0 39	20 14	1 17	23 4	0 11	22 49	0 39	22 36	0 46	18 42	1 16	14 38	14 10	15 42		n.a.
T 23	23 21	18 21	4 44	23 31	1 29	8 50	4 3	14 30	0 38	20 11	1 17	23 5	0 11	22 48	0 39	22 36	0 46	18 43	1 16	14 36	14 9	15 44		n.a.
F 24	23 26	16 8	5 4	23 51	1 33	9 8	4 2	14 15	0 37	20 8	1 17	23 6	0 10	22 48	0 39	22 36	0 46	18 44	1 16	14 34	14 8	15 45		n.a.
S 25	23 31	13 6	5 10	24 10	1 37	9 27	4 2	14 0	0 36	20 4	1 17	23 6	0 10	22 47	0 39	22 37	0 46	18 44	1 16	14 31	14 7	15 46		n.a.
S 26	23 35	9 24	5 0	24 27	1 41	9 45	4 1	13 46	0 35	20 1	1 17	23 7	0 10	22 47	0 39	22 37	0 46	18 45	1 16	14 30	14 6	15 47		n.a.
M27	23 39	5 11	4 34	24 43	1 45	10 4	4 0	13 31	0 34	19 58	1 17	23 8	0 10	22 46	0 39	22 37	0 46	18 45	1 16	14 28	14 5	15 48		n.a.
T 28	23 43	0 37	3 52	24 57	1 48	10 23	3 58	13 16	0 33	19 55	1 16	23 9	0 10	22 46	0 39	22 37	0 46	18 46	1 16	14 28	14 4	15 50		n.a.
W29	23 46	4n 5	2 57	25 10	1 50	10 43	3 57	13 1	0 32	19 51	1 16	23 9	0 10	22 45	0 39	22 38	0 46	18 46	1 15	14 28	14 3	15 51		n.a.
T 30	23 48	8 41	1 49	25 21	1 53	11 2	3 55	12 46	0 31	19 48	1 16	23 10	0 10	22 45	0 39	22 38	0 46	18 47	1 15	14 29	14 1	15 52		n.a.
F 31	23s50	12n53	0n34	25s31	1s55	11s22	3n54	12s31	0s29	19s44	1s16	23s11	0n10	22s44	0s39	22n38	0n46	18s47	1n15	14s29	14s 0	15s53		n.a.

Julian Day Number = 1103754.5, Delta T = 10h59m57s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°24'00, Lahiri = -27°16'59 Julian Calendar 1 Dec. 1692 BCE == Greg. Calendar 17 Nov. 1692 BCE

The year -1691 astronomical counting style corresponds to year 1692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

JANUARY 1691 BCE (-1690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 42 53	27♐13'21	16♉34	23♐11	10♏50	29♒38	8♒34	18♐14	21♑46	23°R 0	27♏41	8°R 8	6♏39	14♏54	n.a.	S 1
S 2	5 46 50	28°13'57	1♊24	24°56	11°47	0♓18	8°46	18°21	21°49	22♋59	27°43	8♏ 6	6°36	15° 0	n.a.	S 2
M 3	5 50 47	29°14'32	16°19	26°42	12°45	0°59	8°59	18°28	21°52	22°57	27°45	8° 1	6°33	15° 7	n.a.	M 3
T 4	5 54 43	0♑15'04	1♋10	28°29	13°43	1°39	9°11	18°36	21°55	22°56	27°46	7°54	6°29	15°14	n.a.	T 4
W 5	5 58 40	1°15'35	15°49	0♑17	14°42	2°19	9°24	18°43	21°58	22°54	27°48	7°46	6°26	15°20	n.a.	W 5
T 6	6 2 36	2°16'04	0♌ 8	2° 5	15°41	2°59	9°37	18°50	22° 2	22°53	27°50	7°37	6°23	15°27	n.a.	T 6
F 7	6 6 33	3°16'32	14° 3	3°55	16°41	3°39	9°50	18°57	22° 5	22°51	27°52	7°28	6°20	15°33	n.a.	F 7
S 8	6 10 29	4°16'57	27°30	5°45	17°41	4°19	10° 3	19° 4	22° 8	22°50	27°53	7°21	6°17	15°40	n.a.	S 8
S 9	6 14 26	5°17'21	10♍30	7°36	18°41	4°59	10°16	19°11	22°12	22°48	27°55	7°15	6°14	15°47	n.a.	S 9
M10	6 18 22	6°17'44	23° 6	9°27	19°42	5°39	10°29	19°18	22°15	22°47	27°57	7°12	6°10	15°53	n.a.	M10
T 11	6 22 19	7°18'05	5♎22	11°20	20°43	6°19	10°42	19°25	22°18	22°45	27°59	7°D11	6° 7	16° 0	n.a.	T 11
W12	6 26 16	8°18'24	17°22	13°13	21°44	6°59	10°55	19°32	22°22	22°43	28° 0	7°12	6° 4	16° 7	n.a.	W12
T 13	6 30 12	9°18'41	29°13	15° 6	22°46	7°39	11° 9	19°39	22°25	22°42	28° 2	7°12	6° 1	16°13	n.a.	T 13
F 14	6 34 9	10°18'57	10♏59	17° 0	23°48	8°19	11°22	19°46	22°28	22°40	28° 4	7°R12	5°58	16°20	n.a.	F 14
S 15	6 38 5	11°19'11	22°46	18°54	24°51	8°59	11°35	19°53	22°32	22°38	28° 5	7°11	5°54	16°27	n.a.	S 15
S 16	6 42 2	12°19'24	4♐39	20°48	25°53	9°39	11°49	20° 0	22°35	22°37	28° 7	7° 7	5°51	16°33	n.a.	S 16
M17	6 45 58	13°19'35	16°40	22°42	26°56	10°18	12° 2	20° 7	22°38	22°35	28° 8	7° 1	5°48	16°40	n.a.	M17
T 18	6 49 55	14°19'43	28°52	24°35	28° 0	10°58	12°16	20°14	22°42	22°34	28°10	6°52	5°45	16°47	n.a.	T 18
W19	6 53 51	15°19'50	11♑18	26°28	29° 3	11°38	12°29	20°20	22°45	22°32	28°11	6°41	5°42	16°53	n.a.	W19
T 20	6 57 48	16°19'55	23°57	28°20	0♐ 7	12°18	12°43	20°27	22°49	22°30	28°13	6°28	5°39	17° 0	n.a.	T 20
F 21	7 1 45	17°19'57	6♒49	0♒10	1°11	12°58	12°57	20°34	22°52	22°29	28°14	6°16	5°35	17° 7	n.a.	F 21
S 22	7 5 41	18°19'58	19°54	1°58	2°15	13°38	13°11	20°41	22°55	22°27	28°16	6° 4	5°32	17°13	n.a.	S 22
S 23	7 9 38	19°19'56	3♓10	3°45	3°20	14°18	13°24	20°47	22°59	22°25	28°17	5°54	5°29	17°20	n.a.	S 23
M24	7 13 34	20°19'52	16°37	5°28	4°24	14°57	13°38	20°54	23° 2	22°24	28°19	5°48	5°26	17°27	n.a.	M24
T 25	7 17 31	21°19'45	0♈14	7° 9	5°29	15°37	13°52	21° 1	23° 6	22°22	28°20	5°44	5°23	17°33	n.a.	T 25
W26	7 21 27	22°19'36	14° 2	8°45	6°34	16°17	14° 6	21° 7	23° 9	22°20	28°22	5°42	5°20	17°40	n.a.	W26
T 27	7 25 24	23°19'25	27°59	10°18	7°39	16°57	14°20	21°14	23°13	22°19	28°23	5°42	5°16	17°46	n.a.	T 27
F 28	7 29 20	24°19'11	12♉ 8	11°45	8°45	17°36	14°34	21°20	23°16	22°17	28°24	5°42	5°13	17°53	n.a.	F 28
S 29	7 33 17	25°18'55	26°26	13° 8	9°51	18°16	14°48	21°27	23°19	22°15	28°26	5°41	5°10	18° 0	n.a.	S 29
S 30	7 37 13	26°18'36	10♊51	14°24	10°56	18°56	15° 2	21°33	23°23	22°14	28°27	5°37	5° 7	18° 6	n.a.	S 30
M31	7 41 10	27♑18'15	25♊19	15♒34	12♐ 2	19♓35	15♒16	21♐39	23♑26	22♋12	28♏28	5♏31	5♏ 4	18♏13	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s52	16n23	0s45	25s39	1s57	11s41	3n52	12s15	0s28	19s41	1s16	23s12	0n10	22s44	0s39	22n38	0n46	18s48	1n15	14s29	13s59	15s54		n.a.
S 2	23 53	18 50	2 2	25 45	1 58	12 1	3 50	12 0	0 27	19 37	1 16	23 12	0 10	22 43	0 39	22 39	0 46	18 48	1 15	14 28	13 58	15 55		n.a.
M 3	23 53	20 0	3 11	25 49	1 59	12 21	3 48	11 45	0 26	19 34	1 16	23 13	0 10	22 43	0 39	22 39	0 46	18 49	1 15	14 27	13 57	15 56		n.a.
T 4	23 53	19 47	4 6	25 52	1 59	12 40	3 46	11 29	0 26	19 30	1 16	23 14	0 10	22 42	0 39	22 39	0 46	18 49	1 15	14 24	13 56	15 58		n.a.
W 5	23 53	18 14	4 44	25 52	1 59	13 0	3 43	11 14	0 25	19 27	1 16	23 14	0 10	22 42	0 39	22 40	0 46	18 50	1 15	14 22	13 55	15 59		n.a.
T 6	23 52	15 33	5 4	25 51	1 59	13 20	3 41	10 58	0 24	19 23	1 16	23 15	0 9	22 41	0 39	22 40	0 46	18 50	1 15	14 19	13 54	16 0		n.a.
F 7	23 51	12 4	5 4	25 47	1 57	13 39	3 38	10 42	0 23	19 20	1 15	23 16	0 9	22 41	0 39	22 40	0 46	18 51	1 15	14 16	13 53	16 1		n.a.
S 8	23 49	8 4	4 48	25 42	1 56	13 59	3 35	10 27	0 22	19 16	1 15	23 16	0 9	22 40	0 39	22 40	0 46	18 51	1 15	14 13	13 52	16 2		n.a.
S 9	23 47	3 49	4 17	25 34	1 54	14 19	3 32	10 11	0 21	19 12	1 15	23 17	0 9	22 39	0 39	22 41	0 46	18 51	1 15	14 11	13 51	16 3		n.a.
M10	23 44	0s29	3 34	25 24	1 51	14 38	3 29	9 55	0 20	19 9	1 15	23 18	0 9	22 39	0 39	22 41	0 46	18 52	1 15	14 10	13 50	16 4		n.a.
T 11	23 41	4 39	2 42	25 11	1 48	14 57	3 26	9 39	0 19	19 5	1 15	23 18	0 9	22 38	0 39	22 41	0 46	18 52	1 14	14 10	13 49	16 5		n.a.
W12	23 37	8 33	1 44	24 57	1 44	15 16	3 23	9 23	0 18	19 1	1 15	23 19	0 9	22 38	0 39	22 42	0 46	18 53	1 14	14 10	13 48	16 7		n.a.
T 13	23 33	12 4	0 43	24 40	1 40	15 35	3 20	9 7	0 17	18 57	1 15	23 20	0 9	22 37	0 39	22 42	0 46	18 53	1 14	14 10	13 47	16 8		n.a.
F 14	23 29	15 5	0n20	24 21	1 34	15 54	3 17	8 51	0 16	18 53	1 15	23 20	0 9	22 37	0 39	22 42	0 46	18 54	1 14	14 11	13 45	16 9		n.a.
S 15	23 24	17 29	1 22	23 59	1 29	16 13	3 13	8 35	0 15	18 50	1 15	23 21	0 9	22 36	0 39	22 42	0 46	18 54	1 14	14 10	13 44	16 10		n.a.
S 16	23 18	19 9	2 21	23 36	1 22	16 31	3 10	8 19	0 14	18 46	1 15	23 22	0 9	22 35	0 39	22 43	0 46	18 55	1 14	14 9	13 43	16 11		n.a.
M17	23 12	19 59	3 14	23 10	1 15	16 49	3 6	8 3	0 13	18 42	1 15	23 22	0 9	22 35	0 39	22 43	0 46	18 55	1 14	14 7	13 42	16 12		n.a.
T 18	23 6	19 54	3 59	22 42	1 7	17 7	3 3	7 47	0 13	18 38	1 15	23 23	0 9	22 34	0 39	22 43	0 46	18 55	1 14	14 4	13 41	16 13		n.a.
W19	22 59	18 52	4 33	22 13	0 58	17 25	2 59	7 31	0 12	18 34	1 15	23 23	0 9	22 34	0 39	22 44	0 46	18 56	1 14	14 0	13 40	16 14		n.a.
T 20	22 52	16 53	4 55	21 41	0 49	17 42	2 55	7 14	0 11	18 30	1 14	23 24	0 8	22 33	0 39	22 44	0 46	18 56	1 14	13 56	13 39	16 15		n.a.
F 21	22 44	14 3	5 2	21 8	0 39	17 59	2 52	6 58	0 10	18 26	1 14	23 24	0 8	22 33	0 39	22 44	0 46	18 57	1 14	13 51	13 38	16 16		n.a.
S 22	22 36	10 29	4 53	20 33	0 28	18 16	2 48	6 42	0 9	18 22	1 14	23 25	0 8	22 32	0 39	22 44	0 46	18 57	1 14	13 48	13 37	16 17		n.a.
S 23	22 28	6 22	4 29	19 57	0 17	18 32	2 44	6 25	0 8	18 18	1 14	23 26	0 8	22 31	0 39	22 45	0 46	18 57	1 14	13 44	13 36	16 19		n.a.
M24	22 19	1 52	3 49	19 20	0 5	18 48	2 40	6 9	0 7	18 14	1 14	23 26	0 8	22 31	0 39	22 45	0 46	18 58	1 14	13 42	13 35	16 20		n.a.
T 25	22 10	2n47	2 56	18 43	0n 7	19 4	2 36	5 52	0 7	18 9	1 14	23 27	0 8	22 30	0 39	22 45	0 46	18 58	1 14	13 41	13 34	16 21		n.a.
W26	22 0	7 21	1 52	18 5	0 20	19 19	2 32	5 36	0 6	18 5	1 14	23 27	0 8	22 30	0 39	22 46	0 46	18 59	1 13	13 40	13 33	16 22		n.a.
T 27	21 50	11 35	0 41	17 27	0 34	19 34	2 28	5 19	0 5	18 1	1 14	23 28	0 8	22 29	0 39	22 46	0 46	18 59	1 13	13 40	13 31	16 23		n.a.
F 28	21 39	15 13	0s34	16 49	0 48	19 49	2 23	5 3	0 4	17 57	1 14	23 28	0 8	22 28	0 39	22 46	0 46	18 59	1 13	13 40	13 30	16 24		n.a.
S 29	21 28	17 59	1 47	16 12	1 2	20 3	2 19	4 46	0 3	17 53	1 14	23 29	0 8	22 28	0 39	22 47	0 46	19 0	1 13	13 40	13 29	16 25		n.a.
S 30	21 17	19 37	2 55	15 36	1 16	20 17	2 15	4 30	0 3	17 49	1 14	23 29	0 8	22 27	0 39	22 47	0 46	19 0	1 13	13 39	13 28	16 26		n.a.
M31	21s 5	19n58	3s51	15s 2	1n31	20s30	2n11	4s13	0s 2	17s44	1s14	23s30	0n 8	22s27	0s39	22n47	0n46	19s 0	1n13	13s36	13s27	16s27		n.a.

Julian Day Number = 1103785.5, Delta T = 10h59m55s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'55, Lahiri = -27°16'55 Julian Calendar 1 Jan. 1691 BCE == Greg. Calendar 18 Dec. 1692 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

FEBRUARY 1691 BCE (-1690) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 45 7	28♉17'52	9♋47	16♒38	13♐ 9	20♓15	15♒30	21♐46	23♉30	22°R10	28♏29	5°R22	5♏ 0	18♏20	n.a.	T 1
W 2	7 49 3	29°17'26	24° 6	17°34	14°15	20°55	15°44	21°52	23°33	22♋ 9	28°31	5♏10	4°57	18°26	n.a.	W 2
T 3	7 53 0	0♒16'58	8♌11	18°23	15°22	21°34	15°58	21°58	23°36	22° 7	28°32	4°58	4°54	18°33	n.a.	T 3
F 4	7 56 56	1°16'28	21°57	19° 4	16°28	22°14	16°12	22° 4	23°40	22° 5	28°33	4°46	4°51	18°40	n.a.	F 4
S 5	8 0 53	2°15'56	5♍20	19°38	17°35	22°53	16°26	22°11	23°43	22° 4	28°34	4°35	4°48	18°46	n.a.	S 5
S 6	8 4 49	3°15'21	18°20	20° 3	18°42	23°33	16°40	22°17	23°47	22° 2	28°35	4°27	4°45	18°53	n.a.	S 6
M 7	8 8 46	4°14'45	0♎57	20°20	19°49	24°12	16°54	22°23	23°50	22° 0	28°36	4°21	4°41	19° 0	n.a.	M 7
T 8	8 12 42	5°14'07	13°14	20°30	20°56	24°52	17° 9	22°29	23°53	21°59	28°37	4°18	4°38	19° 6	n.a.	T 8
W 9	8 16 39	6°13'26	25°17	20°R31	22° 4	25°31	17°23	22°35	23°57	21°57	28°38	4°17	4°35	19°13	n.a.	W 9
T 10	8 20 35	7°12'44	7♏10	20°24	23°11	26°11	17°37	22°40	24° 0	21°56	28°39	4°17	4°32	19°20	n.a.	T 10
F 11	8 24 32	8°12'00	18°58	20°10	24°19	26°50	17°51	22°46	24° 3	21°54	28°40	4°17	4°29	19°26	n.a.	F 11
S 12	8 28 29	9°11'14	0♐47	19°49	25°27	27°30	18° 6	22°52	24° 7	21°52	28°41	4°15	4°26	19°33	n.a.	S 12
S 13	8 32 25	10°10'26	12°42	19°22	26°35	28° 9	18°20	22°58	24°10	21°51	28°42	4°12	4°22	19°40	n.a.	S 13
M14	8 36 22	11° 9'36	24°48	18°49	27°43	28°49	18°34	23° 3	24°13	21°49	28°43	4° 6	4°19	19°46	n.a.	M14
T 15	8 40 18	12° 8'44	7♑ 9	18°10	28°51	29°28	18°49	23° 9	24°17	21°48	28°44	3°57	4°16	19°53	n.a.	T 15
W16	8 44 15	13° 7'50	19°46	17°28	29°59	0♈ 7	19° 3	23°15	24°20	21°46	28°45	3°45	4°13	19°59	n.a.	W16
T 17	8 48 11	14° 6'54	2♒41	16°42	1♑ 7	0°47	19°17	23°20	24°23	21°45	28°46	3°33	4°10	20° 6	n.a.	T 17
F 18	8 52 8	15° 5'56	15°54	15°54	2°16	1°26	19°32	23°25	24°27	21°43	28°46	3°20	4° 6	20°13	n.a.	F 18
S 19	8 56 4	16° 4'56	29°22	15° 5	3°24	2° 5	19°46	23°31	24°30	21°42	28°47	3° 8	4° 3	20°19	n.a.	S 19
S 20	9 0 1	17° 3'53	13♓ 2	14°16	4°33	2°45	20° 0	23°36	24°33	21°40	28°48	2°58	4° 0	20°26	n.a.	S 20
M21	9 3 57	18° 2'48	26°53	13°27	5°42	3°24	20°15	23°41	24°36	21°39	28°49	2°51	3°57	20°33	n.a.	M21
T 22	9 7 54	19° 1'40	10♈50	12°40	6°50	4° 3	20°29	23°46	24°39	21°37	28°49	2°47	3°54	20°39	n.a.	T 22
W23	9 11 51	20° 0'30	24°52	11°55	7°59	4°42	20°44	23°52	24°43	21°36	28°50	2°46	3°51	20°46	n.a.	W23
T 24	9 15 47	20°59'18	8♉56	11°13	9° 8	5°21	20°58	23°57	24°46	21°35	28°50	2°D46	3°47	20°53	n.a.	T 24
F 25	9 19 44	21°58'03	23° 3	10°35	10°17	6° 1	21°12	24° 1	24°49	21°33	28°51	2°R46	3°44	20°59	n.a.	F 25
S 26	9 23 40	22°56'46	7♊10	10° 1	11°26	6°40	21°27	24° 6	24°52	21°32	28°52	2°45	3°41	21° 6	n.a.	S 26
S 27	9 27 37	23°55'27	21°17	9°32	12°36	7°19	21°41	24°11	24°55	21°30	28°52	2°42	3°38	21°13	n.a.	S 27
M28	9 31 33	24♒54'05	5♋22	9♒ 7	13♑45	7♈58	21♒55	24♐16	24♑58	21♋29	28♏53	2♏37	3♏35	21♏19	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	20s53	19n 0	4s32	14s29	1n45	20s43	2n 7	3s57	0s 1	17s40	1s14	23s30	0n 8	22s26	0s39	22n47	0n46	19s 1	1n13	13s33	13s26	16s28		n.a.	T 1
W 2	20 41	16 51	4 55	13 58	1 59	20 55	2 2	3 40	0 0	17 36	1 14	23 31	0 8	22 26	0 39	22 48	0 46	19 1	1 13	13 29	13 25	16 29		n.a.	W 2
T 3	20 28	13 44	5 0	13 30	2 13	21 7	1 58	3 24	0n 1	17 31	1 14	23 31	0 7	22 25	0 39	22 48	0 46	19 1	1 13	13 25	13 24	16 30		n.a.	T 3
F 4	20 15	9 56	4 47	13 4	2 27	21 18	1 54	3 7	0 1	17 27	1 14	23 31	0 7	22 24	0 39	22 48	0 47	19 2	1 13	13 21	13 23	16 31		n.a.	F 4
S 5	20 2	5 43	4 19	12 41	2 39	21 29	1 50	2 50	0 2	17 23	1 14	23 32	0 7	22 24	0 39	22 49	0 47	19 2	1 13	13 17	13 22	16 32		n.a.	S 5
S 6	19 48	1 22	3 38	12 22	2 52	21 39	1 45	2 34	0 3	17 18	1 14	23 32	0 7	22 23	0 39	22 49	0 47	19 2	1 13	13 15	13 21	16 33		n.a.	S 6
M 7	19 33	2s55	2 47	12 5	3 3	21 49	1 41	2 17	0 4	17 14	1 14	23 33	0 7	22 23	0 39	22 49	0 47	19 3	1 13	13 13	13 20	16 34		n.a.	M 7
T 8	19 19	7 0	1 49	11 53	3 13	21 58	1 37	2 1	0 4	17 9	1 14	23 33	0 7	22 22	0 39	22 49	0 47	19 3	1 13	13 12	13 18	16 35		n.a.	T 8
W 9	19 4	10 42	0 48	11 44	3 23	22 7	1 32	1 44	0 5	17 5	1 14	23 34	0 7	22 21	0 39	22 50	0 47	19 3	1 13	13 11	13 17	16 36		n.a.	W 9
T 10	18 49	13 55	0n15	11 38	3 31	22 15	1 28	1 27	0 6	17 0	1 14	23 34	0 7	22 21	0 39	22 50	0 47	19 3	1 13	13 11	13 16	16 37		n.a.	T 10
F 11	18 33	16 33	1 17	11 36	3 37	22 22	1 24	1 11	0 7	16 56	1 14	23 34	0 7	22 20	0 39	22 50	0 47	19 4	1 12	13 11	13 15	16 38		n.a.	F 11
S 12	18 18	18 29	2 16	11 38	3 42	22 29	1 19	0 54	0 7	16 52	1 14	23 35	0 7	22 20	0 39	22 50	0 47	19 4	1 12	13 11	13 14	16 39		n.a.	S 12
S 13	18 1	19 38	3 9	11 43	3 46	22 36	1 15	0 38	0 8	16 47	1 14	23 35	0 7	22 19	0 39	22 51	0 47	19 4	1 12	13 9	13 13	16 40		n.a.	S 13
M14	17 45	19 53	3 54	11 52	3 47	22 41	1 11	0 21	0 9	16 42	1 14	23 36	0 7	22 18	0 39	22 51	0 47	19 4	1 12	13 7	13 12	16 41		n.a.	M14
T 15	17 28	19 13	4 29	12 4	3 47	22 47	1 6	0 4	0 9	16 38	1 14	23 36	0 7	22 18	0 39	22 51	0 47	19 5	1 12	13 4	13 11	16 42		n.a.	T 15
W16	17 11	17 35	4 52	12 19	3 45	22 51	1 2	0n12	0 10	16 33	1 14	23 36	0 6	22 17	0 39	22 51	0 47	19 5	1 12	13 0	13 10	16 43		n.a.	W16
T 17	16 54	15 3	5 1	12 36	3 42	22 55	0 58	0 29	0 11	16 29	1 14	23 37	0 6	22 17	0 39	22 52	0 47	19 5	1 12	12 56	13 9	16 44		n.a.	T 17
F 18	16 37	11 42	4 54	12 56	3 36	22 58	0 54	0 45	0 11	16 24	1 14	23 37	0 6	22 16	0 39	22 52	0 47	19 5	1 12	12 52	13 8	16 45		n.a.	F 18
S 19	16 19	7 42	4 30	13 17	3 29	23 1	0 50	1 2	0 12	16 20	1 14	23 37	0 6	22 16	0 39	22 52	0 47	19 6	1 12	12 47	13 6	16 46		n.a.	S 19
S 20	16 1	3 14	3 51	13 40	3 21	23 3	0 45	1 18	0 13	16 15	1 14	23 38	0 6	22 15	0 39	22 52	0 47	19 6	1 12	12 44	13 5	16 47		n.a.	S 20
M21	15 42	1n27	2 58	14 4	3 10	23 5	0 41	1 35	0 13	16 10	1 14	23 38	0 6	22 14	0 39	22 53	0 47	19 6	1 12	12 42	13 4	16 48		n.a.	M21
T 22	15 24	6 6	1 54	14 28	2 59	23 5	0 37	1 51	0 14	16 6	1 14	23 38	0 6	22 14	0 39	22 53	0 47	19 6	1 12	12 40	13 3	16 49		n.a.	T 22
W23	15 5	10 27	0 42	14 53	2 47	23 6	0 33	2 8	0 15	16 1	1 14	23 39	0 6	22 13	0 39	22 53	0 47	19 7	1 12	12 40	13 2	16 50		n.a.	W23
T 24	14 46	14 14	0s33	15 17	2 33	23 5	0 29	2 24	0 15	15 56	1 14	23 39	0 6	22 13	0 39	22 53	0 47	19 7	1 12	12 40	13 1	16 51		n.a.	T 24
F 25	14 27	17 11	1 46	15 41	2 19	23 4	0 25	2 41	0 16	15 52	1 14	23 39	0 6	22 12	0 39	22 54	0 47	19 7	1 12	12 40	13 0	16 52		n.a.	F 25
S 26	14 7	19 5	2 52	16 5	2 4	23 2	0 21	2 57	0 17	15 47	1 14	23 40	0 6	22 12	0 39	22 54	0 47	19 7	1 12	12 39	12 59	16 53		n.a.	S 26
S 27	13 48	19 48	3 48	16 27	1 49	23 0	0 17	3 13	0 17	15 42	1 14	23 40	0 6	22 11	0 39	22 54	0 47	19 7	1 11	12 38	12 58	16 54		n.a.	S 27
M28	13s28	19n17	4s30	16s48	1n34	22s57	0n13	3n30	0n18	15s38	1s14	23s40	0n 6	22s11	0s39	22n54	0n47	19s 7	1n11	12s37	12s57	16s55		n.a.	M28

Julian Day Number = 1103816.5, Delta T = 10h59m53s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'51, Lahiri = -27°16'51 Julian Calendar 1 Feb. 1691 BCE == Greg. Calendar 18 Jan. 1691 BCE

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

MARCH 1691 BCE (-1690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 35 30	25♒52'41	19♋23	8°R48	14♉54	8♈37	22♒10	24♐21	25♉ 1	21°R28	28♏53	2°R29	3♏32	21♏26	n.a.	T 1
W 2	9 39 26	26°51'14	3♌15	8♒34	16° 3	9°16	22°24	24°25	25° 4	21♋26	28°53	2♏20	3°28	21°33	n.a.	W 2
T 3	9 43 23	27°49'45	16°55	8°25	17°13	9°55	22°38	24°30	25° 7	21°25	28°54	2° 9	3°25	21°39	n.a.	T 3
F 4	9 47 19	28°48'14	0♍21	8°D22	18°22	10°34	22°53	24°34	25°10	21°24	28°54	1°58	3°22	21°46	n.a.	F 4
S 5	9 51 16	29°46'41	13°29	8°24	19°32	11°13	23° 7	24°38	25°13	21°23	28°54	1°49	3°19	21°53	n.a.	S 5
S 6	9 55 13	0♓45'06	26°18	8°31	20°42	11°52	23°21	24°43	25°16	21°21	28°55	1°42	3°16	21°59	n.a.	S 6
M 7	9 59 9	1°43'29	8♎49	8°43	21°51	12°31	23°35	24°47	25°19	21°20	28°55	1°37	3°12	22° 6	n.a.	M 7
T 8	10 3 6	2°41'50	21° 4	9° 0	23° 1	13°10	23°50	24°51	25°22	21°19	28°55	1°34	3° 9	22°13	n.a.	T 8
W 9	10 7 2	3°40'10	3♏ 6	9°21	24°11	13°49	24° 4	24°55	25°25	21°18	28°56	1°D34	3° 6	22°19	n.a.	W 9
T 10	10 10 59	4°38'27	14°59	9°47	25°21	14°28	24°18	24°59	25°28	21°17	28°56	1°34	3° 3	22°26	n.a.	T 10
F 11	10 14 55	5°36'43	26°48	10°17	26°31	15° 7	24°32	25° 3	25°31	21°16	28°56	1°35	3° 0	22°32	n.a.	F 11
S 12	10 18 52	6°34'58	8♐39	10°52	27°41	15°46	24°47	25° 7	25°33	21°15	28°56	1°R36	2°57	22°39	n.a.	S 12
S 13	10 22 48	7°33'10	20°36	11°30	28°51	16°25	25° 1	25°11	25°36	21°14	28°56	1°35	2°53	22°46	n.a.	S 13
M14	10 26 45	8°31'21	2♑44	12°12	0♒ 1	17° 4	25°15	25°14	25°39	21°13	28°56	1°32	2°50	22°52	n.a.	M14
T 15	10 30 41	9°29'31	15° 8	12°58	1°12	17°43	25°29	25°18	25°42	21°12	28°56	1°27	2°47	22°59	n.a.	T 15
W16	10 34 38	10°27'38	27°52	13°47	2°22	18°21	25°43	25°21	25°44	21°11	28°R56	1°20	2°44	23° 6	n.a.	W16
T 17	10 38 35	11°25'45	10♒57	14°39	3°32	19° 0	25°57	25°25	25°47	21°10	28°56	1°12	2°41	23°12	n.a.	T 17
F 18	10 42 31	12°23'49	24°24	15°35	4°43	19°39	26°11	25°28	25°49	21° 9	28°56	1° 3	2°37	23°19	n.a.	F 18
S 19	10 46 28	13°21'51	8♓11	16°34	5°53	20°18	26°25	25°31	25°52	21° 8	28°56	0°56	2°34	23°26	n.a.	S 19
S 20	10 50 24	14°19'52	22°14	17°35	7° 3	20°57	26°39	25°34	25°55	21° 7	28°56	0°49	2°31	23°32	n.a.	S 20
M21	10 54 21	15°17'51	6♈30	18°40	8°14	21°35	26°53	25°37	25°57	21° 6	28°56	0°45	2°28	23°39	n.a.	M21
T 22	10 58 17	16°15'48	20°53	19°47	9°25	22°14	27° 7	25°40	26° 0	21° 5	28°56	0°43	2°25	23°46	n.a.	T 22
W23	11 2 14	17°13'43	5♉18	20°57	10°35	22°53	27°21	25°43	26° 2	21° 5	28°55	0°D43	2°22	23°52	n.a.	W23
T 24	11 6 10	18°11'36	19°41	22° 9	11°46	23°31	27°35	25°46	26° 4	21° 4	28°55	0°43	2°18	23°59	n.a.	T 24
F 25	11 10 7	19° 9'28	3♊58	23°24	12°56	24°10	27°49	25°49	26° 7	21° 3	28°55	0°45	2°15	24° 6	n.a.	F 25
S 26	11 14 4	20° 7'17	18° 8	24°41	14° 7	24°49	28° 3	25°51	26° 9	21° 2	28°55	0°R45	2°12	24°12	n.a.	S 26
S 27	11 18 0	21° 5'05	2♋ 9	26° 0	15°18	25°27	28°16	25°54	26°11	21° 2	28°54	0°45	2° 9	24°19	n.a.	S 27
M28	11 21 57	22° 2'50	16° 0	27°22	16°29	26° 6	28°30	25°56	26°14	21° 1	28°54	0°43	2° 6	24°26	n.a.	M28
T 29	11 25 53	23° 0'34	29°39	28°46	17°39	26°45	28°44	25°59	26°16	21° 0	28°54	0°39	2° 3	24°32	n.a.	T 29
W30	11 29 50	23°58'16	13♌ 7	0♓12	18°50	27°23	28°58	26° 1	26°18	21° 0	28°53	0°34	1°59	24°39	n.a.	W30
T 31	11 33 46	24♓55'56	26♌22	1♓41	20♒ 1	28♈ 2	29♒11	26♐ 3	26♉20	20♋59	28♏53	0♏28	1♏56	24♏46	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	13s 8	17n35	4s55	17s 9	1n18	22s53	0n 9	3n46	0n19	15s33	1s14	23s40	0n 6	22s10	0s39	22n54	0n47	19s 8	1n11	12s34	12s55	16s56			n.a.
W 2	12 48	14 53	5 3	17 27	1 3	22 49	0 5	4 2	0 19	15 28	1 14	23 41	0 5	22 9	0 39	22 55	0 47	19 8	1 11	12 30	12 54	16 57			n.a.
T 3	12 27	11 24	4 53	17 44	0 47	22 44	0 2	4 18	0 20	15 23	1 14	23 41	0 5	22 9	0 39	22 55	0 47	19 8	1 11	12 27	12 53	16 58			n.a.
F 4	12 7	7 24	4 27	18 0	0 32	22 38	0s 2	4 34	0 20	15 19	1 14	23 41	0 5	22 8	0 39	22 55	0 47	19 8	1 11	12 23	12 52	16 59			n.a.
S 5	11 46	3 7	3 48	18 13	0 18	22 32	0 6	4 51	0 21	15 14	1 14	23 41	0 5	22 8	0 39	22 55	0 47	19 8	1 11	12 20	12 51	17 0			n.a.
S 6	11 25	1s12	2 57	18 25	0 3	22 25	0 9	5 7	0 22	15 9	1 14	23 42	0 5	22 7	0 39	22 55	0 47	19 8	1 11	12 17	12 50	17 1			n.a.
M 7	11 4	5 22	1 59	18 35	0s10	22 17	0 13	5 23	0 22	15 4	1 14	23 42	0 5	22 7	0 39	22 56	0 47	19 8	1 11	12 15	12 49	17 1			n.a.
T 8	10 42	9 14	0 56	18 44	0 24	22 9	0 16	5 39	0 23	15 0	1 14	23 42	0 5	22 6	0 39	22 56	0 47	19 8	1 11	12 14	12 48	17 2			n.a.
W 9	10 21	12 39	0n 8	18 50	0 36	22 0	0 20	5 55	0 23	14 55	1 14	23 42	0 5	22 6	0 39	22 56	0 47	19 9	1 11	12 14	12 47	17 3			n.a.
T 10	9 59	15 30	1 12	18 55	0 49	21 51	0 23	6 11	0 24	14 50	1 14	23 43	0 5	22 5	0 39	22 56	0 47	19 9	1 11	12 14	12 46	17 4			n.a.
F 11	9 38	17 41	2 11	18 57	1 0	21 41	0 27	6 26	0 25	14 45	1 14	23 43	0 5	22 5	0 39	22 56	0 47	19 9	1 11	12 15	12 44	17 5			n.a.
S 12	9 16	19 6	3 6	18 58	1 11	21 30	0 30	6 42	0 25	14 40	1 14	23 43	0 5	22 4	0 39	22 57	0 47	19 9	1 11	12 15	12 43	17 6			n.a.
S 13	8 54	19 41	3 53	18 57	1 21	21 19	0 33	6 58	0 26	14 36	1 14	23 43	0 5	22 4	0 39	22 57	0 47	19 9	1 11	12 15	12 42	17 7			n.a.
M14	8 32	19 22	4 30	18 55	1 31	21 7	0 36	7 14	0 26	14 31	1 15	23 44	0 5	22 3	0 39	22 57	0 47	19 9	1 11	12 14	12 41	17 8			n.a.
T 15	8 9	18 8	4 55	18 50	1 40	20 54	0 39	7 29	0 27	14 26	1 15	23 44	0 4	22 3	0 39	22 57	0 47	19 9	1 11	12 12	12 40	17 9			n.a.
W16	7 47	15 58	5 7	18 44	1 48	20 41	0 42	7 45	0 27	14 21	1 15	23 44	0 4	22 2	0 39	22 57	0 47	19 9	1 10	12 9	12 39	17 10			n.a.
T 17	7 25	12 57	5 3	18 35	1 56	20 28	0 45	8 0	0 28	14 16	1 15	23 44	0 4	22 2	0 39	22 57	0 46	19 9	1 10	12 7	12 38	17 10			n.a.
F 18	7 2	9 12	4 42	18 25	2 3	20 13	0 48	8 16	0 28	14 12	1 15	23 44	0 4	22 1	0 39	22 57	0 46	19 9	1 10	12 4	12 37	17 11			n.a.
S 19	6 39	4 52	4 5	18 14	2 10	19 59	0 51	8 31	0 29	14 7	1 15	23 45	0 4	22 1	0 39	22 58	0 46	19 9	1 10	12 1	12 36	17 12			n.a.
S 20	6 17	0 12	3 13	18 0	2 16	19 43	0 54	8 47	0 30	14 2	1 15	23 45	0 4	22 0	0 39	22 58	0 46	19 9	1 10	11 59	12 34	17 13			n.a.
M21	5 54	4n34	2 7	17 44	2 21	19 27	0 56	9 2	0 30	13 57	1 15	23 45	0 4	22 0	0 39	22 58	0 46	19 9	1 10	11 57	12 33	17 14			n.a.
T 22	5 31	9 7	0 53	17 27	2 25	19 11	0 59	9 17	0 31	13 52	1 15	23 45	0 4	22 0	0 40	22 58	0 46	19 9	1 10	11 56	12 32	17 15			n.a.
W23	5 8	13 9	0s25	17 8	2 29	18 54	1 2	9 32	0 31	13 48	1 15	23 45	0 4	21 59	0 40	22 58	0 46	19 9	1 10	11 56	12 31	17 16			n.a.
T 24	4 45	16 22	1 41	16 47	2 32	18 36	1 4	9 47	0 32	13 43	1 15	23 45	0 4	21 59	0 40	22 58	0 46	19 9	1 10	11 56	12 30	17 17			n.a.
F 25	4 22	18 33	2 51	16 25	2 35	18 18	1 7	10 2	0 32	13 38	1 15	23 46	0 4	21 58	0 40	22 58	0 46	19 9	1 10	11 57	12 29	17 17			n.a.
S 26	3 59	19 33	3 49	16 0	2 37	18 0	1 9	10 17	0 33	13 33	1 15	23 46	0 4	21 58	0 40	22 58	0 46	19 9	1 10	11 57	12 28	17 18			n.a.
S 27	3 36	19 19	4 33	15 34	2 39	17 41	1 11	10 32	0 33	13 28	1 16	23 46	0 4	21 57	0 40	22 58	0 46	19 9	1 10	11 57	12 27	17 19			n.a.
M28	3 13	17 56	5 1	15 6	2 39	17 21	1 13	10 47	0 34	13 24	1 16	23 46	0 3	21 57	0 40	22 59	0 46	19 9	1 10	11 56	12 26	17 20			n.a.
T 29	2 50	15 32	5 11	14 36	2 40	17 1	1 15	11 2	0 34	13 19	1 16	23 46	0 3	21 57	0 40	22 59	0 46	19 9	1 10	11 55	12 24	17 21			n.a.
W30	2 26	12 21	5 4	14 5	2 39	16 41	1 17	11 16	0 35	13 14	1 16	23 46	0 3	21 56	0 40	22 59	0 46	19 9	1 10	11 53	12 23	17 22			n.a.
T 31	2s 3	8n35	4s40	13s32	2s38	16s20	1s19	11n31	0n35	13s 9	1s16	23s47	0n 3	21s56	0s40	22n59	0n46	19s 9	1n10	11s51	12s22	17s23			n.a.

Julian Day Number = 1103844.5, Delta T = 10h59m51s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'47, Lahiri = -27°16'47 Julian Calendar 1 March 1691 BCE == Greg. Calendar 15 Feb. 1691 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

APRIL 1691 BCE (-1690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 37 43	25♓53'34	9♍24	3♓12	21♒12	28♈40	29♒25	26♐ 5	26♑22	20°R59	28°R52	0°R22	1♏53	24♏52	n.a.	F 1
S 2	11 41 39	26°51'11	22°11	4°44	22°23	29°19	29°38	26° 7	26°24	20♋58	28♏52	0♏17	1°50	24°59	n.a.	S 2
S 3	11 45 36	27°48'46	4♎44	6°19	23°34	29°57	29°52	26° 9	26°26	20°58	28°51	0°14	1°47	25° 6	n.a.	S 3
M 4	11 49 32	28°46'20	17° 3	7°56	24°45	0♉36	0♓ 5	26°11	26°28	20°58	28°51	0°11	1°43	25°12	n.a.	M 4
T 5	11 53 29	29°43'52	29°11	9°36	25°56	1°14	0°18	26°12	26°30	20°57	28°50	0°D10	1°40	25°19	n.a.	T 5
W 6	11 57 26	0♈41'24	11♏ 9	11°17	27° 7	1°53	0°32	26°14	26°32	20°57	28°50	0°11	1°37	25°26	n.a.	W 6
T 7	12 1 22	1°38'54	23° 1	13° 1	28°19	2°31	0°45	26°15	26°34	20°56	28°49	0°12	1°34	25°32	n.a.	T 7
F 8	12 5 19	2°36'23	4♐50	14°46	29°30	3°10	0°58	26°17	26°36	20°56	28°48	0°14	1°31	25°39	n.a.	F 8
S 9	12 9 15	3°33'51	16°40	16°34	0♓41	3°48	1°11	26°18	26°38	20°56	28°48	0°16	1°28	25°46	n.a.	S 9
S 10	12 13 12	4°31'18	28°37	18°24	1°52	4°27	1°25	26°19	26°40	20°56	28°47	0°17	1°24	25°52	n.a.	S 10
M11	12 17 8	5°28'44	10♑46	20°16	3° 4	5° 5	1°38	26°20	26°41	20°55	28°46	0°R17	1°21	25°59	n.a.	M11
T 12	12 21 5	6°26'10	23°10	22°10	4°15	5°43	1°51	26°21	26°43	20°55	28°46	0°16	1°18	26° 5	n.a.	T 12
W13	12 25 1	7°23'34	5♒54	24° 6	5°27	6°22	2° 4	26°22	26°45	20°55	28°45	0°14	1°15	26°12	n.a.	W13
T 14	12 28 58	8°20'57	19° 1	26° 4	6°38	7° 0	2°17	26°23	26°46	20°55	28°44	0°11	1°12	26°19	n.a.	T 14
F 15	12 32 55	9°18'19	2♓33	28° 4	7°49	7°39	2°29	26°24	26°48	20°55	28°43	0° 8	1° 8	26°25	n.a.	F 15
S 16	12 36 51	10°15'41	16°29	0♈ 6	9° 1	8°17	2°42	26°24	26°49	20°55	28°42	0° 5	1° 5	26°32	n.a.	S 16
S 17	12 40 48	11°13'01	0♈47	2° 9	10°12	8°55	2°55	26°25	26°51	20°D55	28°41	0° 3	1° 2	26°39	n.a.	S 17
M18	12 44 44	12°10'21	15°22	4°14	11°24	9°34	3° 7	26°25	26°52	20°55	28°41	0° 2	0°59	26°45	n.a.	M18
T 19	12 48 41	13° 7'39	0♉ 8	6°21	12°36	10°12	3°20	26°25	26°53	20°55	28°40	0°D 1	0°56	26°52	n.a.	T 19
W20	12 52 37	14° 4'57	14°58	8°29	13°47	10°50	3°33	26°26	26°55	20°55	28°39	0° 2	0°53	26°59	n.a.	W20
T 21	12 56 34	15° 2'13	29°44	10°39	14°59	11°29	3°45	26°26	26°56	20°55	28°38	0° 3	0°49	27° 5	n.a.	T 21
F 22	13 0 30	15°59'29	14♊20	12°49	16°11	12° 7	3°57	26°R26	26°57	20°55	28°37	0° 4	0°46	27°12	n.a.	F 22
S 23	13 4 27	16°56'43	28°42	15° 0	17°22	12°45	4°10	26°26	26°58	20°56	28°36	0° 5	0°43	27°19	n.a.	S 23
S 24	13 8 24	17°53'56	12♋48	17°11	18°34	13°24	4°22	26°26	27° 0	20°56	28°35	0°R 5	0°40	27°25	n.a.	S 24
M25	13 12 20	18°51'08	26°35	19°23	19°46	14° 2	4°34	26°25	27° 1	20°56	28°34	0° 5	0°37	27°32	n.a.	M25
T 26	13 16 17	19°48'19	10♌ 4	21°35	20°58	14°40	4°46	26°25	27° 2	20°56	28°33	0° 4	0°34	27°39	n.a.	T 26
W27	13 20 13	20°45'29	23°16	23°46	22° 9	15°18	4°58	26°24	27° 3	20°57	28°32	0° 3	0°30	27°45	n.a.	W27
T 28	13 24 10	21°42'38	6♍11	25°56	23°21	15°57	5°10	26°24	27° 4	20°57	28°31	0° 2	0°27	27°52	n.a.	T 28
F 29	13 28 6	22°39'46	18°52	28° 6	24°33	16°35	5°22	26°23	27° 5	20°57	28°29	0° 1	0°24	27°59	n.a.	F 29
S 30	13 32 3	23♈36'53	1♎20	0♉15	25♓45	17♉13	5♓34	26♐22	27♑ 5	20♋58	28♏28	0♏ 1	0♏21	28♏ 5	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1 s40	4n28	4 s 2	12 s57	2 s36	15 s59	1 s21	11n45	0n36	13 s 5	1 s16	23 s47	0n 3	21 s55	0 s40	22n59	0n46	19 s 9	1n 9	11 s49	12 s21	17 s23		n.a.
S 2	1 16	0 13	3 13	12 20	2 34	15 37	1 23	12 0	0 36	13 0	1 16	23 47	0 3	21 55	0 40	22 59	0 46	19 9	1 9	11 47	12 20	17 24		n.a.
S 3	0 53	3 s58	2 15	11 42	2 31	15 15	1 25	12 14	0 37	12 55	1 16	23 47	0 3	21 55	0 40	22 59	0 46	19 9	1 9	11 46	12 19	17 25		n.a.
M 4	0 30	7 55	1 11	11 2	2 28	14 52	1 26	12 28	0 37	12 50	1 16	23 47	0 3	21 54	0 40	22 59	0 46	19 9	1 9	11 45	12 18	17 26		n.a.
T 5	0 7	11 28	0 5	10 20	2 24	14 29	1 28	12 43	0 38	12 46	1 17	23 47	0 3	21 54	0 40	22 59	0 46	19 9	1 9	11 45	12 17	17 27		n.a.
W 6	0n17	14 31	1n 0	9 37	2 20	14 6	1 29	12 57	0 38	12 41	1 17	23 47	0 3	21 54	0 40	22 59	0 46	19 9	1 9	11 45	12 15	17 28		n.a.
T 7	0 40	16 54	2 2	8 52	2 14	13 42	1 31	13 11	0 38	12 36	1 17	23 47	0 3	21 53	0 40	22 59	0 46	19 9	1 9	11 45	12 14	17 28		n.a.
F 8	1 3	18 34	2 59	8 5	2 9	13 18	1 32	13 24	0 39	12 32	1 17	23 48	0 3	21 53	0 40	22 59	0 46	19 9	1 9	11 46	12 13	17 29		n.a.
S 9	1 27	19 25	3 48	7 17	2 3	12 53	1 33	13 38	0 39	12 27	1 17	23 48	0 2	21 53	0 40	22 59	0 46	19 9	1 9	11 47	12 12	17 30		n.a.
S 10	1 50	19 25	4 28	6 27	1 56	12 28	1 34	13 52	0 40	12 22	1 17	23 48	0 2	21 52	0 40	22 59	0 46	19 9	1 9	11 47	12 11	17 31		n.a.
M11	2 13	18 31	4 57	5 35	1 49	12 3	1 35	14 5	0 40	12 18	1 17	23 48	0 2	21 52	0 40	22 59	0 46	19 9	1 9	11 47	12 10	17 32		n.a.
T 12	2 36	16 43	5 13	4 42	1 41	11 38	1 36	14 19	0 41	12 13	1 17	23 48	0 2	21 52	0 40	22 59	0 46	19 9	1 9	11 47	12 9	17 32		n.a.
W13	2 59	14 5	5 14	3 48	1 33	11 12	1 37	14 32	0 41	12 8	1 18	23 48	0 2	21 52	0 40	22 59	0 46	19 8	1 9	11 46	12 8	17 33		n.a.
T 14	3 22	10 41	4 58	2 53	1 24	10 46	1 38	14 46	0 42	12 4	1 18	23 48	0 2	21 51	0 40	22 59	0 46	19 8	1 9	11 45	12 6	17 34		n.a.
F 15	3 45	6 38	4 26	1 56	1 15	10 19	1 39	14 59	0 42	11 59	1 18	23 48	0 2	21 51	0 40	22 59	0 46	19 8	1 8	11 44	12 5	17 35		n.a.
S 16	4 8	2 6	3 38	0 58	1 6	9 52	1 40	15 12	0 42	11 55	1 18	23 48	0 2	21 51	0 40	22 59	0 46	19 8	1 8	11 43	12 4	17 36		n.a.
S 17	4 31	2n40	2 35	0n 1	0 56	9 25	1 40	15 25	0 43	11 50	1 18	23 49	0 2	21 50	0 40	22 59	0 46	19 8	1 8	11 42	12 3	17 36		n.a.
M18	4 54	7 23	1 20	1 1	0 46	8 58	1 41	15 38	0 43	11 46	1 18	23 49	0 2	21 50	0 40	22 59	0 46	19 8	1 8	11 42	12 2	17 37		n.a.
T 19	5 17	11 43	0 s 1	2 1	0 36	8 31	1 41	15 51	0 44	11 41	1 18	23 49	0 2	21 50	0 40	22 59	0 46	19 8	1 8	11 41	12 1	17 38		n.a.
W20	5 39	15 20	1 22	3 3	0 25	8 3	1 42	16 3	0 44	11 37	1 19	23 49	0 2	21 50	0 40	22 59	0 46	19 8	1 8	11 42	12 0	17 39		n.a.
T 21	6 2	17 55	2 37	4 4	0 15	7 35	1 42	16 16	0 44	11 32	1 19	23 49	0 1	21 50	0 41	22 59	0 46	19 7	1 8	11 42	11 59	17 39		n.a.
F 22	6 24	19 17	3 42	5 5	0 4	7 7	1 42	16 28	0 45	11 28	1 19	23 49	0 1	21 49	0 41	22 59	0 46	19 7	1 8	11 42	11 57	17 40		n.a.
S 23	6 47	19 22	4 31	6 7	0n 6	6 39	1 42	16 41	0 45	11 23	1 19	23 49	0 1	21 49	0 41	22 59	0 46	19 7	1 8	11 43	11 56	17 41		n.a.
S 24	7 9	18 14	5 3	7 8	0 17	6 10	1 42	16 53	0 46	11 19	1 19	23 49	0 1	21 49	0 41	22 59	0 46	19 7	1 8	11 43	11 55	17 42		n.a.
M25	7 31	16 3	5 16	8 9	0 27	5 41	1 42	17 5	0 46	11 15	1 19	23 49	0 1	21 49	0 41	22 59	0 46	19 7	1 8	11 43	11 54	17 42		n.a.
T 26	7 53	13 3	5 12	9 8	0 37	5 12	1 42	17 17	0 46	11 10	1 19	23 49	0 1	21 49	0 41	22 59	0 46	19 7	1 8	11 43	11 53	17 43		n.a.
W27	8 15	9 26	4 52	10 7	0 47	4 43	1 42	17 29	0 47	11 6	1 20	23 49	0 1	21 48	0 41	22 59	0 46	19 6	1 8	11 42	11 52	17 44		n.a.
T 28	8 37	5 27	4 16	11 5	0 57	4 14	1 42	17 40	0 47	11 2	1 20	23 50	0 1	21 48	0 41	22 59	0 46	19 6	1 8	11 42	11 51	17 45		n.a.
F 29	8 59	1 17	3 29	12 1	1 6	3 45	1 41	17 52	0 48	10 57	1 20	23 50	0 1	21 48	0 41	22 59	0 46	19 6	1 7	11 41	11 50	17 45		n.a.
S 30	9n20	2 s52	2 s33	12n55	1n14	3 s16	1 s41	18n 3	0n48	10 s53	1 s20	23 s50	0n 1	21 s48	0 s41	22n59	0n46	19 s 6	1n 7	11 s41	11 s48	17 s46		n.a.

Julian Day Number = 1103875.5, Delta T = 10h59m49s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'43, Lahiri = -27°16'43 Julian Calendar 1 Apr. 1691 BCE == Greg. Calendar 18 March 1691 BCE

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

MAY 1691 BCE (-1690) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 35 59	24♈33'59	13♎37	2♉22	26♓57	17♉51	5♓45	26°R21	27♑ 6	20♋58	28°R27	0°R 0	0♏18	28♏12	n.a.	S 1
M 2	13 39 56	25°31'05	25°43	4°28	28° 9	18°29	5°57	26♐20	27° 7	20°59	28♏26	29°D59	0°14	28°19	n.a.	M 2
T 3	13 43 53	26°28'11	7♏42	6°32	29°21	19° 8	6° 8	26°19	27° 8	20°59	28°25	29♎59	0°11	28°25	n.a.	T 3
W 4	13 47 49	27°25'16	19°35	8°34	0♈33	19°46	6°20	26°18	27° 8	21° 0	28°24	0♏ 0	0° 8	28°32	n.a.	W 4
T 5	13 51 46	28°22'20	1♐25	10°35	1°45	20°24	6°31	26°17	27° 9	21° 0	28°22	0° 0	0° 5	28°39	n.a.	T 5
F 6	13 55 42	29°19'25	13°14	12°33	2°57	21° 2	6°42	26°16	27°10	21° 1	28°21	0° 0	0° 2	28°45	n.a.	F 6
S 7	13 59 39	0♉16'29	25° 5	14°29	4° 9	21°40	6°54	26°14	27°10	21° 2	28°20	0°R 0	29♎59	28°52	n.a.	S 7
S 8	14 3 35	1°13'33	7♑ 3	16°24	5°22	22°18	7° 5	26°13	27°11	21° 2	28°19	0° 0	29°55	28°59	n.a.	S 8
M 9	14 7 32	2°10'37	19°11	18°16	6°34	22°57	7°16	26°11	27°11	21° 3	28°17	0° 0	29°52	29° 5	n.a.	M 9
T 10	14 11 29	3° 7'41	1♒34	20° 6	7°46	23°35	7°27	26° 9	27°11	21° 4	28°16	0°D 0	29°49	29°12	n.a.	T 10
W11	14 15 25	4° 4'44	14°15	21°53	8°58	24°13	7°37	26° 8	27°12	21° 4	28°15	0° 0	29°46	29°19	n.a.	W11
T 12	14 19 22	5° 1'48	27°18	23°39	10°10	24°51	7°48	26° 6	27°12	21° 5	28°13	0° 1	29°43	29°25	n.a.	T 12
F 13	14 23 18	5°58'52	10♓46	25°22	11°23	25°29	7°59	26° 4	27°12	21° 6	28°12	0° 1	29°39	29°32	n.a.	F 13
S 14	14 27 15	6°55'56	24°41	27° 2	12°35	26° 7	8° 9	26° 2	27°12	21° 7	28°11	0° 2	29°36	29°39	n.a.	S 14
S 15	14 31 11	7°53'00	9♈ 1	28°41	13°48	26°45	8°20	25°59	27°13	21° 8	28° 9	0° 2	29°33	29°45	n.a.	S 15
M16	14 35 8	8°50'04	23°44	0♊17	15° 0	27°23	8°30	25°57	27°13	21° 9	28° 8	0°R 2	29°30	29°52	n.a.	M16
T 17	14 39 4	9°47'09	8♉42	1°51	16°12	28° 2	8°40	25°55	27°R13	21°10	28° 7	0° 2	29°27	29°59	n.a.	T 17
W18	14 43 1	10°44'13	23°49	3°23	17°25	28°40	8°50	25°52	27°13	21°11	28° 5	0° 2	29°24	0♐ 5	n.a.	W18
T 19	14 46 58	11°41'17	8♊55	4°52	18°37	29°18	9° 0	25°50	27°13	21°12	28° 4	0° 1	29°20	0°12	n.a.	T 19
F 20	14 50 54	12°38'21	23°51	6°19	19°50	29°56	9°10	25°47	27°13	21°13	28° 2	29♎59	29°17	0°19	n.a.	F 20
S 21	14 54 51	13°35'25	8♋30	7°44	21° 3	0♊34	9°20	25°45	27°12	21°14	28° 1	29°58	29°14	0°25	n.a.	S 21
S 22	14 58 47	14°32'29	22°47	9° 6	22°15	1°12	9°29	25°42	27°12	21°15	28° 0	29°57	29°11	0°32	n.a.	S 22
M23	15 2 44	15°29'33	6♌40	10°26	23°28	1°50	9°39	25°39	27°12	21°16	27°58	29°56	29° 8	0°39	n.a.	M23
T 24	15 6 40	16°26'37	20° 7	11°43	24°40	2°28	9°48	25°36	27°12	21°17	27°57	29°D56	29° 5	0°45	n.a.	T 24
W25	15 10 37	17°23'40	3♍12	12°58	25°53	3° 6	9°57	25°33	27°11	21°18	27°55	29°56	29° 1	0°52	n.a.	W25
T 26	15 14 33	18°20'44	15°57	14°10	27° 6	3°44	10° 6	25°30	27°11	21°19	27°54	29°57	28°58	0°59	n.a.	T 26
F 27	15 18 30	19°17'47	28°24	15°19	28°19	4°23	10°15	25°27	27°11	21°21	27°52	29°59	28°55	1° 5	n.a.	F 27
S 28	15 22 27	20°14'51	10♎38	16°26	29°31	5° 1	10°24	25°24	27°10	21°22	27°51	0♏ 0	28°52	1°12	n.a.	S 28
S 29	15 26 23	21°11'54	22°42	17°30	0♉44	5°39	10°33	25°21	27° 9	21°23	27°49	0° 1	28°49	1°19	n.a.	S 29
M30	15 30 20	22° 8'59	4♏39	18°31	1°57	6°17	10°42	25°17	27° 9	21°24	27°48	0°R 1	28°45	1°25	n.a.	M30
T 31	15 34 16	23♉ 6'03	16♏31	19♊29	3♉10	6♊55	10♓50	25♐14	27♑ 8	21♋26	27♏47	0♏ 0	28♎42	1♐32	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	9n42	6s51	1s30	13n48	1n22	2s46	1s41	18n15	0n48	10s49	1s20	23s50	0n 1	21s48	0s41	22n59	0n46	19s 6	1n 7	11s41	11s47	17s47			n.a.
M 2	10 3	10 29	0 24	14 39	1 29	2 16	1 40	18 26	0 49	10 45	1 21	23 50	0 0	21 48	0 41	22 58	0 46	19 6	1 7	11 41	11 46	17 48			n.a.
T 3	10 24	13 40	0n43	15 28	1 36	1 47	1 39	18 37	0 49	10 40	1 21	23 50	0 0	21 48	0 41	22 58	0 46	19 5	1 7	11 41	11 45	17 48			n.a.
W 4	10 45	16 15	1 47	16 14	1 42	1 17	1 39	18 48	0 49	10 36	1 21	23 50	0 0	21 48	0 41	22 58	0 46	19 5	1 7	11 41	11 44	17 49			n.a.
T 5	11 6	18 7	2 46	16 59	1 48	0 47	1 38	18 59	0 50	10 32	1 21	23 50	0 0	21 48	0 41	22 58	0 46	19 5	1 7	11 41	11 43	17 50			n.a.
F 6	11 26	19 13	3 38	17 41	1 53	0 17	1 37	19 10	0 50	10 28	1 21	23 50	0 0	21 47	0 41	22 58	0 46	19 5	1 7	11 41	11 42	17 50			n.a.
S 7	11 47	19 27	4 21	18 21	1 57	0n13	1 36	19 20	0 51	10 24	1 21	23 50	0 0	21 47	0 41	22 58	0 46	19 5	1 7	11 41	11 40	17 51			n.a.
S 8	12 7	18 50	4 53	18 58	2 1	0 43	1 35	19 31	0 51	10 20	1 22	23 50	0s 0	21 47	0 41	22 58	0 46	19 4	1 7	11 41	11 39	17 52			n.a.
M 9	12 27	17 20	5 12	19 34	2 3	1 13	1 34	19 41	0 51	10 16	1 22	23 50	0 0	21 47	0 41	22 58	0 46	19 4	1 7	11 41	11 38	17 53			n.a.
T 10	12 47	15 2	5 18	20 7	2 5	1 43	1 33	19 51	0 52	10 12	1 22	23 50	0 0	21 47	0 41	22 58	0 46	19 4	1 7	11 41	11 37	17 53			n.a.
W11	13 7	11 57	5 8	20 37	2 7	2 13	1 32	20 1	0 52	10 8	1 22	23 50	0 0	21 47	0 41	22 57	0 46	19 4	1 6	11 41	11 36	17 54			n.a.
T 12	13 26	8 13	4 42	21 5	2 8	2 43	1 31	20 11	0 52	10 4	1 22	23 50	0 0	21 47	0 41	22 57	0 46	19 4	1 6	11 41	11 35	17 55			n.a.
F 13	13 46	3 57	4 1	21 32	2 8	3 13	1 30	20 21	0 53	10 0	1 23	23 50	0 1	21 47	0 41	22 57	0 46	19 3	1 6	11 41	11 34	17 55			n.a.
S 14	14 5	0n39	3 4	21 55	2 7	3 43	1 28	20 30	0 53	9 57	1 23	23 50	0 1	21 47	0 41	22 57	0 46	19 3	1 6	11 42	11 32	17 56			n.a.
S 15	14 24	5 23	1 54	22 17	2 6	4 12	1 27	20 40	0 53	9 53	1 23	23 50	0 1	21 47	0 41	22 57	0 46	19 3	1 6	11 42	11 31	17 57			n.a.
M16	14 43	9 55	0 35	22 37	2 4	4 42	1 26	20 49	0 54	9 49	1 23	23 50	0 1	21 47	0 41	22 57	0 46	19 3	1 6	11 42	11 30	17 57			n.a.
T 17	15 1	13 55	0s48	22 54	2 2	5 12	1 24	20 58	0 54	9 45	1 24	23 50	0 1	21 47	0 42	22 57	0 46	19 2	1 6	11 42	11 29	17 58			n.a.
W18	15 19	17 1	2 8	23 10	1 58	5 42	1 23	21 7	0 54	9 42	1 24	23 50	0 1	21 47	0 42	22 56	0 46	19 2	1 6	11 42	11 28	17 59			n.a.
T 19	15 37	18 55	3 19	23 23	1 55	6 11	1 21	21 16	0 55	9 38	1 24	23 50	0 1	21 47	0 42	22 56	0 46	19 2	1 6	11 41	11 27	17 59			n.a.
F 20	15 55	19 29	4 16	23 35	1 50	6 41	1 19	21 25	0 55	9 35	1 24	23 50	0 1	21 47	0 42	22 56	0 46	19 2	1 6	11 41	11 26	18 0			n.a.
S 21	16 13	18 42	4 55	23 44	1 45	7 10	1 18	21 33	0 55	9 31	1 24	23 50	0 1	21 47	0 42	22 56	0 46	19 2	1 6	11 40	11 24	18 1			n.a.
S 22	16 30	16 46	5 14	23 52	1 40	7 39	1 16	21 41	0 55	9 28	1 25	23 50	0 1	21 48	0 42	22 56	0 46	19 1	1 6	11 40	11 23	18 1			n.a.
M23	16 47	13 53	5 14	23 58	1 34	8 8	1 14	21 50	0 56	9 24	1 25	23 50	0 1	21 48	0 42	22 55	0 46	19 1	1 5	11 39	11 22	18 2			n.a.
T 24	17 4	10 21	4 57	24 3	1 27	8 37	1 12	21 58	0 56	9 21	1 25	23 50	0 2	21 48	0 42	22 55	0 46	19 1	1 5	11 39	11 21	18 3			n.a.
W25	17 20	6 25	4 25	24 6	1 19	9 6	1 10	22 6	0 56	9 17	1 25	23 50	0 2	21 48	0 42	22 55	0 46	19 1	1 5	11 40	11 20	18 3			n.a.
T 26	17 37	2 16	3 40	24 7	1 12	9 34	1 9	22 13	0 57	9 14	1 26	23 50	0 2	21 48	0 42	22 55	0 46	19 0	1 5	11 40	11 19	18 4			n.a.
F 27	17 53	1s53	2 46	24 7	1 3	10 2	1 7	22 21	0 57	9 11	1 26	23 50	0 2	21 48	0 42	22 55	0 46	19 0	1 5	11 41	11 18	18 5			n.a.
S 28	18 8	5 54	1 45	24 5	0 54	10 30	1 5	22 28	0 57	9 8	1 26	23 50	0 2	21 48	0 42	22 54	0 46	19 0	1 5	11 41	11 16	18 5			n.a.
S 29	18 24	9 37	0 40	24 2	0 45	10 58	1 3	22 36	0 58	9 5	1 26	23 50	0 2	21 48	0 42	22 54	0 46	19 0	1 5	11 41	11 15	18 6			n.a.
M30	18 39	12 55	0n25	23 58	0 35	11 26	1 0	22 43	0 58	9 1	1 27	23 50	0 2	21 48	0 42	22 54	0 46	18 59	1 5	11 41	11 14	18 7			n.a.
T 31	18n54	15s39	1n30	23n52	0n25	11n53	0s58	22n50	0n58	8s58	1s27	23s50	0s 2	21s49	0s42	22n54	0n46	18s59	1n 5	11s41	11s13	18s 7			n.a.

Julian Day Number = 1103905.5, Delta T = 10h59m47s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'39, Lahiri = -27°16'39 Julian Calendar 1 May 1691 BCE == Greg. Calendar 17 Apr. 1691 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

JUNE 1691 BCE (-1690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 38 13	24♉ 3'08	28♏20	20♊24	4♉23	7♊33	10♓59	25°R10	27°R 8	21♋27	27°R45	29°R58	28♎39	1♐39	n.a.	W 1
T 2	15 42 9	25° 0'13	10♐ 9	21°15	5°36	8°11	11° 7	25♐ 7	27♑ 7	21°28	27♏44	29♎55	28°36	1°45	n.a.	T 2
F 3	15 46 6	25°57'19	22° 1	22° 3	6°49	8°49	11°15	25° 3	27° 6	21°30	27°42	29°51	28°33	1°52	n.a.	F 3
S 4	15 50 3	26°54'26	3♑56	22°48	8° 2	9°27	11°23	25° 0	27° 5	21°31	27°41	29°46	28°30	1°59	n.a.	S 4
S 5	15 53 59	27°51'34	15°58	23°29	9°15	10° 5	11°31	24°56	27° 5	21°33	27°39	29°42	28°26	2° 5	n.a.	S 5
M 6	15 57 56	28°48'42	28° 9	24° 6	10°28	10°43	11°39	24°52	27° 4	21°34	27°38	29°38	28°23	2°12	n.a.	M 6
T 7	16 1 52	29°45'51	10♒32	24°39	11°41	11°21	11°46	24°48	27° 3	21°36	27°36	29°35	28°20	2°19	n.a.	T 7
W 8	16 5 49	0♊43'02	23°12	25° 8	12°54	12° 0	11°54	24°44	27° 2	21°37	27°35	29°34	28°17	2°25	n.a.	W 8
T 9	16 9 45	1°40'13	6♓10	25°33	14° 7	12°38	12° 1	24°41	27° 1	21°39	27°33	29°D34	28°14	2°32	n.a.	T 9
F 10	16 13 42	2°37'25	19°32	25°54	15°20	13°16	12° 8	24°37	27° 0	21°40	27°32	29°35	28°11	2°39	n.a.	F 10
S 11	16 17 38	3°34'38	3♈18	26° 9	16°33	13°54	12°15	24°33	26°59	21°42	27°30	29°36	28° 7	2°45	n.a.	S 11
S 12	16 21 35	4°31'53	17°30	26°21	17°47	14°32	12°22	24°28	26°57	21°44	27°29	29°37	28° 4	2°52	n.a.	S 12
M13	16 25 32	5°29'08	2♉ 6	26°27	19° 0	15°10	12°28	24°24	26°56	21°45	27°27	29°R38	28° 1	2°59	n.a.	M13
T 14	16 29 28	6°26'25	17° 3	26°R28	20°13	15°48	12°35	24°20	26°55	21°47	27°26	29°37	27°58	3° 5	n.a.	T 14
W15	16 33 25	7°23'42	2♊13	26°24	21°27	16°26	12°41	24°16	26°54	21°49	27°24	29°34	27°55	3°12	n.a.	W15
T 16	16 37 21	8°21'01	17°27	26°16	22°40	17° 4	12°47	24°12	26°52	21°50	27°23	29°30	27°51	3°19	n.a.	T 16
F 17	16 41 18	9°18'21	2♋35	26° 2	23°54	17°43	12°54	24° 8	26°51	21°52	27°22	29°24	27°48	3°25	n.a.	F 17
S 18	16 45 14	10°15'42	17°27	25°43	25° 7	18°21	12°59	24° 3	26°50	21°54	27°20	29°18	27°45	3°32	n.a.	S 18
S 19	16 49 11	11°13'03	1♌56	25°19	26°21	18°59	13° 5	23°59	26°48	21°56	27°19	29°13	27°42	3°39	n.a.	S 19
M20	16 53 8	12°10'25	15°57	24°51	27°34	19°37	13°11	23°55	26°47	21°57	27°17	29° 8	27°39	3°45	n.a.	M20
T 21	16 57 4	13° 7'48	29°29	24°18	28°48	20°15	13°16	23°50	26°45	21°59	27°16	29° 6	27°36	3°52	n.a.	T 21
W22	17 1 1	14° 5'12	12♍35	23°41	0♊ 1	20°53	13°21	23°46	26°44	22° 1	27°15	29°D 5	27°32	3°59	n.a.	W22
T 23	17 4 57	15° 2'37	25°16	23° 1	1°15	21°31	13°26	23°41	26°42	22° 3	27°13	29° 5	27°29	4° 5	n.a.	T 23
F 24	17 8 54	16° 0'02	7♎38	22°17	2°28	22°10	13°31	23°37	26°40	22° 5	27°12	29° 7	27°26	4°12	n.a.	F 24
S 25	17 12 50	16°57'29	19°45	21°32	3°42	22°48	13°36	23°32	26°39	22° 7	27°10	29° 8	27°23	4°19	n.a.	S 25
S 26	17 16 47	17°54'57	1♏42	20°45	4°56	23°26	13°41	23°28	26°37	22° 9	27° 9	29°R 8	27°20	4°25	n.a.	S 26
M27	17 20 43	18°52'26	13°33	19°57	6°10	24° 4	13°45	23°23	26°35	22°10	27° 8	29° 7	27°17	4°32	n.a.	M27
T 28	17 24 40	19°49'56	25°22	19°10	7°23	24°42	13°49	23°19	26°34	22°12	27° 6	29° 4	27°13	4°39	n.a.	T 28
W29	17 28 37	20°47'27	7♐11	18°23	8°37	25°20	13°53	23°14	26°32	22°14	27° 5	28°58	27°10	4°45	n.a.	W29
T 30	17 32 33	21♊45'00	19♐ 3	17♊39	9♊51	25♊59	13♓57	23♐10	26♑30	22♋16	27♏ 4	28♎50	27♎ 7	4♐52	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19n 8	17s44	2n30	23n46	0n14	12n20	0s56	22n56	0n58	8s55	1s27	23s50	0s 2	21s49	0s42	22n54	0n46	18s59	1n 5	11s40	11s12	18s 8		n.a.
T 2	19 22	19 3	3 23	23 38	0 3	12 47	0 54	23 3	0 59	8 52	1 27	23 50	0 2	21 49	0 42	22 53	0 46	18 59	1 4	11 39	11 11	18 8		n.a.
F 3	19 36	19 31	4 8	23 30	0s 9	13 14	0 52	23 9	0 59	8 49	1 28	23 50	0 3	21 49	0 42	22 53	0 46	18 58	1 4	11 38	11 9	18 9		n.a.
S 4	19 50	19 8	4 42	23 20	0 21	13 40	0 50	23 16	0 59	8 47	1 28	23 50	0 3	21 49	0 42	22 53	0 46	18 58	1 4	11 36	11 8	18 10		n.a.
S 5	20 3	17 53	5 4	23 10	0 34	14 6	0 47	23 22	0 59	8 44	1 28	23 50	0 3	21 50	0 42	22 53	0 46	18 58	1 4	11 35	11 7	18 10		n.a.
M 6	20 16	15 49	5 13	22 58	0 47	14 32	0 45	23 28	1 0	8 41	1 28	23 50	0 3	21 50	0 42	22 52	0 46	18 58	1 4	11 33	11 6	18 11		n.a.
T 7	20 29	13 0	5 8	22 47	1 0	14 57	0 43	23 33	1 0	8 38	1 29	23 50	0 3	21 50	0 42	22 52	0 46	18 57	1 4	11 32	11 5	18 11		n.a.
W 8	20 41	9 32	4 47	22 34	1 14	15 22	0 40	23 39	1 0	8 36	1 29	23 50	0 3	21 50	0 42	22 52	0 46	18 57	1 4	11 32	11 4	18 12		n.a.
T 9	20 53	5 32	4 12	22 21	1 27	15 46	0 38	23 44	1 0	8 33	1 29	23 50	0 3	21 50	0 42	22 52	0 46	18 57	1 4	11 32	11 3	18 13		n.a.
F 10	21 5	1 8	3 22	22 8	1 41	16 10	0 36	23 49	1 1	8 31	1 29	23 50	0 3	21 51	0 42	22 51	0 46	18 57	1 4	11 32	11 1	18 13		n.a.
S 11	21 16	3n27	2 19	21 55	1 55	16 34	0 33	23 54	1 1	8 28	1 30	23 50	0 3	21 51	0 42	22 51	0 46	18 56	1 4	11 32	11 0	18 14		n.a.
S 12	21 27	8 0	1 6	21 41	2 10	16 58	0 31	23 59	1 1	8 26	1 30	23 50	0 3	21 51	0 42	22 51	0 46	18 56	1 3	11 33	10 59	18 14		n.a.
M13	21 37	12 13	0s14	21 27	2 24	17 21	0 28	24 4	1 1	8 23	1 30	23 50	0 3	21 51	0 42	22 51	0 46	18 56	1 3	11 33	10 58	18 15		n.a.
T 14	21 47	15 45	1 34	21 13	2 38	17 43	0 26	24 8	1 2	8 21	1 31	23 50	0 4	21 52	0 43	22 50	0 46	18 56	1 3	11 33	10 57	18 16		n.a.
W15	21 57	18 15	2 48	20 59	2 52	18 5	0 23	24 13	1 2	8 19	1 31	23 49	0 4	21 52	0 43	22 50	0 45	18 56	1 3	11 32	10 56	18 16		n.a.
T 16	22 7	19 27	3 51	20 45	3 5	18 27	0 21	24 17	1 2	8 17	1 31	23 49	0 4	21 52	0 43	22 50	0 45	18 55	1 3	11 30	10 54	18 17		n.a.
F 17	22 16	19 15	4 37	20 32	3 18	18 48	0 19	24 21	1 2	8 15	1 31	23 49	0 4	21 53	0 43	22 49	0 45	18 55	1 3	11 28	10 53	18 17		n.a.
S 18	22 24	17 43	5 4	20 18	3 31	19 9	0 16	24 24	1 3	8 13	1 32	23 49	0 4	21 53	0 43	22 49	0 45	18 55	1 3	11 26	10 52	18 18		n.a.
S 19	22 33	15 4	5 10	20 6	3 43	19 29	0 14	24 28	1 3	8 11	1 32	23 49	0 4	21 53	0 43	22 49	0 45	18 55	1 3	11 24	10 51	18 18		n.a.
M20	22 41	11 38	4 57	19 54	3 54	19 48	0 11	24 31	1 3	8 9	1 32	23 49	0 4	21 54	0 43	22 49	0 45	18 54	1 3	11 22	10 50	18 19		n.a.
T 21	22 48	7 41	4 28	19 43	4 3	20 7	0 9	24 34	1 3	8 7	1 33	23 49	0 4	21 54	0 43	22 48	0 45	18 54	1 3	11 21	10 49	18 20		n.a.
W22	22 55	3 30	3 45	19 32	4 12	20 26	0 6	24 37	1 4	8 5	1 33	23 49	0 4	21 54	0 43	22 48	0 45	18 54	1 2	11 21	10 48	18 20		n.a.
T 23	23 2	0s43	2 53	19 23	4 20	20 44	0 4	24 40	1 4	8 3	1 33	23 49	0 4	21 55	0 43	22 48	0 45	18 54	1 2	11 21	10 46	18 21		n.a.
F 24	23 8	4 49	1 54	19 14	4 26	21 2	0 1	24 43	1 4	8 2	1 33	23 48	0 5	21 55	0 43	22 47	0 45	18 54	1 2	11 22	10 45	18 21		n.a.
S 25	23 14	8 39	0 51	19 7	4 30	21 18	0n 1	24 45	1 4	8 0	1 34	23 48	0 5	21 55	0 43	22 47	0 45	18 53	1 2	11 22	10 44	18 22		n.a.
S 26	23 20	12 4	0n14	19 1	4 33	21 35	0 4	24 48	1 4	7 59	1 34	23 48	0 5	21 56	0 43	22 47	0 45	18 53	1 2	11 22	10 43	18 22		n.a.
M27	23 25	14 59	1 17	18 57	4 34	21 50	0 6	24 50	1 5	7 57	1 34	23 48	0 5	21 56	0 43	22 46	0 45	18 53	1 2	11 22	10 42	18 23		n.a.
T 28	23 29	17 15	2 17	18 54	4 34	22 6	0 9	24 52	1 5	7 56	1 35	23 48	0 5	21 56	0 43	22 46	0 45	18 53	1 2	11 21	10 41	18 23		n.a.
W29	23 34	18 48	3 10	18 52	4 31	22 20	0 11	24 53	1 5	7 55	1 35	23 48	0 5	21 57	0 43	22 46	0 45	18 53	1 2	11 19	10 39	18 24		n.a.
T 30	23n38	19s31	3n55	18n53	4s27	22n34	0n13	24n55	1n 5	7s53	1s35	23s48	0s 5	21s57	0s43	22n45	0n45	18s52	1n 2	11s16	10s38	18s24		n.a.

Julian Day Number = 1103936.5, Delta T = 10h59m45s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'35, Lahiri = -27°16'34 Julian Calendar 1 June 1691 BCE == Greg. Calendar 18 May 1691 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

JULY 1691 BCE (-1690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 36 30	22♊42'34	1♉ 0	16°R58	11♊ 5	26♊37	14♓ 1	23°R 5	26°R28	22♋18	27°R 2	28°R41	27♎ 4	4♐59	n.a.	F 1
S 2	17 40 26	23°40'09	13° 3	16♊20	12°19	27°15	14° 4	23♐ 1	26♉26	22°20	27♏ 1	28♎31	27° 1	5° 6	n.a.	S 2
S 3	17 44 23	24°37'46	25°13	15°47	13°33	27°53	14° 7	22°56	26°24	22°22	27° 0	28°21	26°57	5°12	n.a.	S 3
M 4	17 48 19	25°35'25	7♒33	15°19	14°47	28°31	14°10	22°52	26°23	22°24	26°59	28°12	26°54	5°19	n.a.	M 4
T 5	17 52 16	26°33'05	20° 4	14°57	16° 1	29°10	14°13	22°47	26°21	22°26	26°57	28° 4	26°51	5°26	n.a.	T 5
W 6	17 56 12	27°30'47	2♓47	14°41	17°15	29°48	14°16	22°43	26°19	22°28	26°56	27°59	26°48	5°32	n.a.	W 6
T 7	18 0 9	28°28'31	15°46	14°33	18°29	0♋26	14°19	22°38	26°17	22°30	26°55	27°56	26°45	5°39	n.a.	T 7
F 8	18 4 6	29°26'17	29° 3	14°D31	19°43	1° 4	14°21	22°34	26°15	22°33	26°54	27°D56	26°42	5°46	n.a.	F 8
S 9	18 8 2	0♋24'04	12♈41	14°37	20°57	1°43	14°23	22°29	26°12	22°35	26°53	27°56	26°38	5°52	n.a.	S 9
S 10	18 11 59	1°21'54	26°41	14°51	22°11	2°21	14°25	22°25	26°10	22°37	26°51	27°R56	26°35	5°59	n.a.	S 10
M11	18 15 55	2°19'45	11♉ 3	15°12	23°25	2°59	14°27	22°20	26° 8	22°39	26°50	27°56	26°32	6° 6	n.a.	M11
T 12	18 19 52	3°17'39	25°46	15°41	24°40	3°38	14°28	22°16	26° 6	22°41	26°49	27°53	26°29	6°12	n.a.	T 12
W13	18 23 48	4°15'34	10♊45	16°18	25°54	4°16	14°30	22°12	26° 4	22°43	26°48	27°48	26°26	6°19	n.a.	W13
T 14	18 27 45	5°13'32	25°52	17° 2	27° 8	4°54	14°31	22° 7	26° 2	22°45	26°47	27°40	26°22	6°26	n.a.	T 14
F 15	18 31 41	6°11'31	10♋57	17°53	28°23	5°33	14°32	22° 3	26° 0	22°47	26°46	27°31	26°19	6°32	n.a.	F 15
S 16	18 35 38	7° 9'32	25°50	18°52	29°37	6°11	14°33	21°59	25°57	22°50	26°45	27°21	26°16	6°39	n.a.	S 16
S 17	18 39 35	8° 7'35	10♌22	19°57	0♋51	6°49	14°33	21°54	25°55	22°52	26°44	27°11	26°13	6°46	n.a.	S 17
M18	18 43 31	9° 5'39	24°29	21° 9	2° 6	7°28	14°34	21°50	25°53	22°54	26°43	27° 2	26°10	6°52	n.a.	M18
T 19	18 47 28	10° 3'45	8♍ 6	22°26	3°20	8° 6	14°R34	21°46	25°51	22°56	26°42	26°56	26° 7	6°59	n.a.	T 19
W20	18 51 24	11° 1'52	21°15	23°49	4°35	8°45	14°34	21°42	25°48	22°58	26°41	26°53	26° 3	7° 6	n.a.	W20
T 21	18 55 21	12° 0'01	3♎58	25°18	5°49	9°23	14°34	21°38	25°46	23° 0	26°40	26°51	26° 0	7°12	n.a.	T 21
F 22	18 59 17	12°58'12	16°21	26°51	7° 4	10° 2	14°33	21°34	25°44	23° 3	26°39	26°D51	25°57	7°19	n.a.	F 22
S 23	19 3 14	13°56'24	28°26	28°28	8°18	10°40	14°33	21°30	25°41	23° 5	26°38	26°R51	25°54	7°26	n.a.	S 23
S 24	19 7 10	14°54'38	10♏22	0♋ 9	9°33	11°18	14°32	21°26	25°39	23° 7	26°37	26°50	25°51	7°32	n.a.	S 24
M25	19 11 7	15°52'54	22°11	1°53	10°47	11°57	14°31	21°22	25°37	23° 9	26°36	26°48	25°48	7°39	n.a.	M25
T 26	19 15 4	16°51'11	4♐ 0	3°40	12° 2	12°35	14°30	21°18	25°34	23°11	26°36	26°43	25°44	7°46	n.a.	T 26
W27	19 19 0	17°49'30	15°51	5°29	13°17	13°14	14°28	21°14	25°32	23°14	26°35	26°35	25°41	7°53	n.a.	W27
T 28	19 22 57	18°47'52	27°48	7°20	14°31	13°52	14°27	21°10	25°30	23°16	26°34	26°25	25°38	7°59	n.a.	T 28
F 29	19 26 53	19°46'15	9♑53	9°12	15°46	14°31	14°25	21° 7	25°27	23°18	26°33	26°13	25°35	8° 6	n.a.	F 29
S 30	19 30 50	20°44'40	22° 7	11° 5	17° 1	15° 9	14°23	21° 3	25°25	23°20	26°33	25°59	25°32	8°13	n.a.	S 30
S 31	19 34 46	21♋43'07	4♒31	12♋59	18♋15	15♋48	14♓21	21♐ 0	25♑22	23♋23	26♏32	25♎45	25♎28	8♐19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n41	19s22	4n31	18n55	4s21	22n47	0n16	24n56	1n 5	7s52	1s36	23s48	0s 5	21s57	0s43	22n45	0n45	18s52	1n 1	11s13	10s37	18s25		n.a.
S 2	23 44	18 21	4 54	18 59	4 13	23 0	0 18	24 57	1 6	7 51	1 36	23 47	0 5	21 58	0 43	22 45	0 45	18 52	1 1	11 9	10 36	18 25		n.a.
S 3	23 47	16 30	5 5	19 5	4 4	23 12	0 20	24 58	1 6	7 50	1 36	23 47	0 5	21 58	0 43	22 44	0 45	18 52	1 1	11 5	10 35	18 26		n.a.
M 4	23 49	13 53	5 1	19 12	3 53	23 23	0 23	24 59	1 6	7 49	1 37	23 47	0 6	21 59	0 43	22 44	0 45	18 52	1 1	11 2	10 34	18 26		n.a.
T 5	23 51	10 36	4 43	19 22	3 41	23 33	0 25	24 59	1 6	7 48	1 37	23 47	0 6	21 59	0 43	22 44	0 45	18 51	1 1	10 59	10 32	18 27		n.a.
W 6	23 52	6 47	4 11	19 33	3 28	23 43	0 27	25 0	1 6	7 48	1 37	23 47	0 6	21 59	0 43	22 43	0 45	18 51	1 1	10 57	10 31	18 27		n.a.
T 7	23 53	2 34	3 26	19 46	3 13	23 52	0 30	25 0	1 6	7 47	1 37	23 47	0 6	22 0	0 43	22 43	0 45	18 51	1 1	10 56	10 30	18 28		n.a.
F 8	23 53	1n52	2 28	20 1	2 59	24 1	0 32	25 0	1 7	7 46	1 38	23 46	0 6	22 0	0 43	22 43	0 45	18 51	1 1	10 56	10 29	18 28		n.a.
S 9	23 53	6 20	1 21	20 17	2 43	24 8	0 34	24 59	1 7	7 46	1 38	23 46	0 6	22 1	0 43	22 42	0 45	18 51	1 1	10 56	10 28	18 29		n.a.
S 10	23 53	10 35	0 7	20 35	2 27	24 15	0 36	24 59	1 7	7 45	1 38	23 46	0 6	22 1	0 43	22 42	0 45	18 51	1 0	10 56	10 27	18 29		n.a.
M11	23 52	14 20	1s 9	20 53	2 11	24 22	0 38	24 58	1 7	7 45	1 39	23 46	0 6	22 2	0 43	22 42	0 45	18 50	1 0	10 56	10 25	18 30		n.a.
T 12	23 51	17 15	2 23	21 13	1 54	24 27	0 40	24 58	1 7	7 44	1 39	23 46	0 6	22 2	0 43	22 41	0 45	18 50	1 0	10 55	10 24	18 30		n.a.
W13	23 49	19 4	3 27	21 33	1 38	24 32	0 43	24 57	1 7	7 44	1 39	23 46	0 6	22 2	0 43	22 41	0 45	18 50	1 0	10 53	10 23	18 31		n.a.
T 14	23 47	19 32	4 18	21 54	1 21	24 36	0 45	24 55	1 8	7 44	1 40	23 45	0 6	22 3	0 43	22 41	0 45	18 50	1 0	10 50	10 22	18 31		n.a.
F 15	23 44	18 36	4 50	22 15	1 5	24 39	0 47	24 54	1 8	7 44	1 40	23 45	0 7	22 3	0 43	22 40	0 45	18 50	1 0	10 47	10 21	18 32		n.a.
S 16	23 41	16 26	5 2	22 36	0 49	24 42	0 49	24 52	1 8	7 44	1 40	23 45	0 7	22 4	0 43	22 40	0 45	18 50	1 0	10 43	10 20	18 32		n.a.
S 17	23 38	13 15	4 55	22 56	0 34	24 44	0 50	24 51	1 8	7 44	1 41	23 45	0 7	22 4	0 43	22 39	0 45	18 50	1 0	10 40	10 18	18 33		n.a.
M18	23 34	9 23	4 29	23 16	0 19	24 45	0 52	24 49	1 8	7 44	1 41	23 45	0 7	22 5	0 43	22 39	0 46	18 49	0 59	10 37	10 17	18 33		n.a.
T 19	23 30	5 10	3 49	23 35	0 5	24 45	0 54	24 46	1 8	7 44	1 41	23 45	0 7	22 5	0 43	22 39	0 46	18 49	0 59	10 34	10 16	18 34		n.a.
W20	23 25	0 50	2 57	23 53	0n 9	24 44	0 56	24 44	1 8	7 45	1 42	23 44	0 7	22 6	0 43	22 38	0 46	18 49	0 59	10 33	10 15	18 34		n.a.
T 21	23 20	3s25	1 58	24 10	0 21	24 43	0 58	24 41	1 9	7 45	1 42	23 44	0 7	22 6	0 43	22 38	0 46	18 49	0 59	10 32	10 14	18 35		n.a.
F 22	23 15	7 24	0 56	24 24	0 33	24 41	0 59	24 39	1 9	7 45	1 42	23 44	0 7	22 6	0 43	22 38	0 46	18 49	0 59	10 32	10 12	18 35		n.a.
S 23	23 9	10 59	0n 8	24 37	0 44	24 38	1 1	24 36	1 9	7 46	1 42	23 44	0 7	22 7	0 43	22 37	0 46	18 49	0 59	10 32	10 11	18 35		n.a.
S 24	23 2	14 5	1 11	24 48	0 55	24 35	1 3	24 33	1 9	7 46	1 43	23 44	0 7	22 7	0 43	22 37	0 46	18 49	0 59	10 32	10 10	18 36		n.a.
M25	22 55	16 34	2 10	24 56	1 4	24 30	1 4	24 29	1 9	7 47	1 43	23 44	0 7	22 8	0 43	22 36	0 46	18 49	0 59	10 31	10 9	18 36		n.a.
T 26	22 48	18 21	3 3	25 2	1 12	24 25	1 6	24 26	1 9	7 48	1 43	23 43	0 8	22 8	0 43	22 36	0 46	18 49	0 58	10 29	10 8	18 37		n.a.
W27	22 41	19 20	3 49	25 6	1 20	24 20	1 7	24 22	1 9	7 49	1 44	23 43	0 8	22 9	0 43	22 36	0 46	18 49	0 58	10 27	10 7	18 37		n.a.
T 28	22 33	19 28	4 24	25 7	1 26	24 13	1 9	24 18	1 10	7 50	1 44	23 43	0 8	22 9	0 43	22 35	0 46	18 49	0 58	10 23	10 5	18 38		n.a.
F 29	22 24	18 43	4 48	25 6	1 32	24 6	1 10	24 14	1 10	7 51	1 44	23 43	0 8	22 10	0 43	22 35	0 46	18 48	0 58	10 18	10 4	18 38		n.a.
S 30	22 15	17 7	4 59	25 1	1 37	23 58	1 11	24 10	1 10	7 52	1 45	23 43	0 8	22 10	0 44	22 35	0 46	18 48	0 58	10 13	10 3	18 38		n.a.
S 31	22n 6	14s42	4n57	24n55	1n41	23n49	1n12	24n 5	1n10	7s53	1s45	23s43	0s 8	22s11	0s44	22n34	0n46	18s48	0n58	10s 8	10s 2	18s39		n.a.

Julian Day Number = 1103966.5, Delta T = 10h59m43s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'31, Lahiri = -27°16'30 Julian Calendar 1 July 1691 BCE == Greg. Calendar 17 June 1691 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

AUGUST 1691 BCE (-1690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 38 43	22♋41'36	17♒ 6	14♋53	19♋30	16♋27	14°R18	20°R56	25°R20	23♋25	26°R31	25°R33	25♎25	8♐26	n.a.	M 1
T 2	19 42 39	23°40'08	29°51	16°47	20°45	17° 5	14♓16	20♐53	25♑18	23°27	26♏30	25♎23	25°22	8°33	n.a.	T 2
W 3	19 46 36	24°38'41	12♓47	18°42	22° 0	17°44	14°13	20°49	25°15	23°29	26°30	25°15	25°19	8°39	n.a.	W 3
T 4	19 50 32	25°37'17	25°55	20°36	23°15	18°22	14°10	20°46	25°13	23°32	26°29	25°11	25°16	8°46	n.a.	T 4
F 5	19 54 29	26°35'55	9♈17	22°29	24°29	19° 1	14° 7	20°43	25°10	23°34	26°29	25° 9	25°13	8°53	n.a.	F 5
S 6	19 58 26	27°34'36	22°53	24°22	25°44	19°40	14° 4	20°40	25° 8	23°36	26°28	25° 8	25° 9	8°59	n.a.	S 6
S 7	20 2 22	28°33'19	6♉45	26°15	26°59	20°18	14° 0	20°37	25° 6	23°38	26°28	25° 8	25° 6	9° 6	n.a.	S 7
M 8	20 6 19	29°32'05	20°54	28° 7	28°14	20°57	13°56	20°34	25° 3	23°40	26°27	25° 7	25° 3	9°13	n.a.	M 8
T 9	20 10 15	0♊30'53	5♊19	29°57	29°29	21°36	13°52	20°31	25° 1	23°43	26°27	25° 4	25° 0	9°19	n.a.	T 9
W10	20 14 12	1°29'44	19°57	1♊48	0♊44	22°14	13°48	20°28	24°58	23°45	26°26	24°58	24°57	9°26	n.a.	W10
T 11	20 18 8	2°28'37	4♋43	3°37	1°59	22°53	13°44	20°25	24°56	23°47	26°26	24°50	24°54	9°33	n.a.	T 11
F 12	20 22 5	3°27'32	19°30	5°25	3°14	23°32	13°40	20°22	24°54	23°49	26°26	24°39	24°50	9°39	n.a.	F 12
S 13	20 26 1	4°26'29	4♌ 9	7°12	4°29	24°11	13°35	20°20	24°51	23°51	26°25	24°28	24°47	9°46	n.a.	S 13
S 14	20 29 58	5°25'29	18°32	8°59	5°44	24°50	13°30	20°17	24°49	23°54	26°25	24°16	24°44	9°53	n.a.	S 14
M15	20 33 55	6°24'31	2♍34	10°44	6°59	25°28	13°25	20°15	24°47	23°56	26°25	24° 7	24°41	9°59	n.a.	M15
T 16	20 37 51	7°23'35	16°10	12°29	8°14	26° 7	13°20	20°12	24°44	23°58	26°24	23°59	24°38	10° 6	n.a.	T 16
W17	20 41 48	8°22'40	29°20	14°12	9°29	26°46	13°15	20°10	24°42	24° 0	26°24	23°54	24°34	10°13	n.a.	W17
T 18	20 45 44	9°21'48	12♎ 6	15°55	10°45	27°25	13° 9	20° 8	24°40	24° 2	26°24	23°52	24°31	10°20	n.a.	T 18
F 19	20 49 41	10°20'58	24°30	17°37	12° 0	28° 4	13° 4	20° 6	24°37	24° 5	26°24	23°D52	24°28	10°26	n.a.	F 19
S 20	20 53 37	11°20'10	6♏37	19°18	13°15	28°43	12°58	20° 4	24°35	24° 7	26°24	23°R52	24°25	10°33	n.a.	S 20
S 21	20 57 34	12°19'23	18°33	20°58	14°30	29°22	12°52	20° 2	24°33	24° 9	26°23	23°52	24°22	10°40	n.a.	S 21
M22	21 1 30	13°18'39	0♐24	22°37	15°45	0♌ 1	12°46	20° 0	24°31	24°11	26°23	23°50	24°19	10°46	n.a.	M22
T 23	21 5 27	14°17'57	12°14	24°15	17° 0	0°39	12°40	19°58	24°28	24°13	26°23	23°47	24°15	10°53	n.a.	T 23
W24	21 9 23	15°17'16	24° 8	25°53	18°15	1°18	12°33	19°57	24°26	24°15	26°D23	23°40	24°12	11° 0	n.a.	W24
T 25	21 13 20	16°16'38	6♑10	27°30	19°31	1°57	12°27	19°55	24°24	24°17	26°23	23°32	24° 9	11° 6	n.a.	T 25
F 26	21 17 17	17°16'02	18°22	29° 6	20°46	2°36	12°20	19°54	24°22	24°19	26°23	23°21	24° 6	11°13	n.a.	F 26
S 27	21 21 13	18°15'27	0♒48	0♍41	22° 1	3°15	12°13	19°53	24°20	24°22	26°23	23° 9	24° 3	11°20	n.a.	S 27
S 28	21 25 10	19°14'55	13°28	2°15	23°16	3°54	12° 6	19°51	24°18	24°24	26°24	22°58	24° 0	11°26	n.a.	S 28
M29	21 29 6	20°14'25	26°21	3°49	24°31	4°34	11°59	19°50	24°16	24°26	26°24	22°47	23°56	11°33	n.a.	M29
T 30	21 33 3	21°13'57	9♓26	5°22	25°47	5°13	11°52	19°49	24°13	24°28	26°24	22°38	23°53	11°40	n.a.	T 30
W31	21 36 59	22♌13'32	22♓44	6♍54	27♌ 2	5♌52	11♓45	19♐48	24♑11	24♋30	26♏24	22♎32	23♎50	11♐46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	21n56	11s34	4n39	24n46	1n44	23n39	1n14	24n 1	1n10	7s54	1s45	23s42	0s 8	22s11	0s44	22n34	0n46	18s48	0n58	10s 4	10s 1	18s39			n.a.
T 2	21 46	7 52	4 8	24 34	1 46	23 29	1 15	23 56	1 10	7 55	1 45	23 42	0 8	22 11	0 44	22 34	0 46	18 48	0 58	10 0	10 0	18 40			n.a.
W 3	21 36	3 45	3 24	24 20	1 48	23 18	1 16	23 51	1 10	7 57	1 46	23 42	0 8	22 12	0 44	22 33	0 46	18 48	0 58	9 57	9 58	18 40			n.a.
T 4	21 25	0n36	2 28	24 4	1 49	23 6	1 17	23 46	1 10	7 58	1 46	23 42	0 8	22 12	0 44	22 33	0 46	18 48	0 57	9 55	9 57	18 40			n.a.
F 5	21 14	5 1	1 23	23 46	1 49	22 54	1 18	23 40	1 10	8 0	1 46	23 42	0 8	22 13	0 44	22 32	0 46	18 48	0 57	9 55	9 56	18 41			n.a.
S 6	21 2	9 15	0 12	23 26	1 49	22 41	1 19	23 35	1 11	8 1	1 47	23 42	0 9	22 13	0 44	22 32	0 46	18 48	0 57	9 54	9 55	18 41			n.a.
S 7	20 50	13 4	1s 1	23 4	1 48	22 27	1 19	23 29	1 11	8 3	1 47	23 42	0 9	22 14	0 44	22 32	0 46	18 48	0 57	9 54	9 54	18 42			n.a.
M 8	20 38	16 12	2 12	22 40	1 47	22 13	1 20	23 23	1 11	8 4	1 47	23 41	0 9	22 14	0 44	22 31	0 46	18 48	0 57	9 54	9 52	18 42			n.a.
T 9	20 25	18 23	3 15	22 15	1 45	21 57	1 21	23 17	1 11	8 6	1 47	23 41	0 9	22 15	0 44	22 31	0 46	18 48	0 57	9 53	9 51	18 42			n.a.
W10	20 12	19 24	4 7	21 48	1 42	21 42	1 21	23 11	1 11	8 8	1 48	23 41	0 9	22 15	0 44	22 30	0 46	18 48	0 57	9 51	9 50	18 43			n.a.
T 11	19 59	19 6	4 43	21 19	1 39	21 25	1 22	23 4	1 11	8 10	1 48	23 41	0 9	22 15	0 44	22 30	0 46	18 48	0 57	9 47	9 49	18 43			n.a.
F 12	19 45	17 30	5 0	20 49	1 36	21 8	1 23	22 58	1 11	8 12	1 48	23 41	0 9	22 16	0 44	22 30	0 46	18 48	0 56	9 44	9 48	18 44			n.a.
S 13	19 31	14 47	4 57	20 18	1 33	20 50	1 23	22 51	1 11	8 14	1 48	23 41	0 9	22 16	0 44	22 29	0 46	18 48	0 56	9 39	9 46	18 44			n.a.
S 14	19 16	11 12	4 35	19 46	1 29	20 32	1 23	22 44	1 11	8 16	1 49	23 41	0 9	22 17	0 44	22 29	0 46	18 48	0 56	9 35	9 45	18 44			n.a.
M15	19 1	7 5	3 56	19 13	1 24	20 13	1 24	22 37	1 11	8 18	1 49	23 41	0 9	22 17	0 44	22 29	0 46	18 48	0 56	9 31	9 44	18 45			n.a.
T 16	18 46	2 43	3 6	18 39	1 20	19 54	1 24	22 29	1 11	8 20	1 49	23 41	0 9	22 18	0 44	22 28	0 46	18 49	0 56	9 29	9 43	18 45			n.a.
W17	18 31	1s39	2 6	18 4	1 15	19 34	1 24	22 22	1 11	8 23	1 49	23 40	0 9	22 18	0 44	22 28	0 46	18 49	0 56	9 27	9 42	18 45			n.a.
T 18	18 15	5 49	1 2	17 28	1 10	19 13	1 24	22 14	1 11	8 25	1 49	23 40	0 10	22 18	0 44	22 28	0 46	18 49	0 56	9 26	9 41	18 46			n.a.
F 19	17 59	9 37	0n 3	16 52	1 4	18 52	1 24	22 6	1 12	8 28	1 50	23 40	0 10	22 19	0 44	22 27	0 46	18 49	0 56	9 26	9 39	18 46			n.a.
S 20	17 42	12 55	1 7	16 14	0 59	18 30	1 24	21 58	1 12	8 30	1 50	23 40	0 10	22 19	0 44	22 27	0 46	18 49	0 55	9 26	9 38	18 46			n.a.
S 21	17 25	15 38	2 7	15 37	0 53	18 8	1 24	21 50	1 12	8 32	1 50	23 40	0 10	22 20	0 43	22 26	0 46	18 49	0 55	9 26	9 37	18 47			n.a.
M22	17 8	17 40	3 1	14 58	0 47	17 45	1 24	21 42	1 12	8 35	1 50	23 40	0 10	22 20	0 43	22 26	0 46	18 49	0 55	9 25	9 36	18 47			n.a.
T 23	16 51	18 55	3 48	14 19	0 41	17 22	1 24	21 33	1 12	8 38	1 50	23 40	0 10	22 20	0 43	22 26	0 46	18 49	0 55	9 24	9 35	18 47			n.a.
W24	16 33	19 22	4 24	13 40	0 34	16 58	1 24	21 25	1 12	8 40	1 51	23 40	0 10	22 21	0 43	22 25	0 46	18 49	0 55	9 22	9 33	18 48			n.a.
T 25	16 15	18 56	4 49	13 0	0 28	16 34	1 23	21 16	1 12	8 43	1 51	23 40	0 10	22 21	0 43	22 25	0 46	18 49	0 55	9 18	9 32	18 48			n.a.
F 26	15 57	17 37	5 2	12 20	0 22	16 9	1 23	21 7	1 12	8 46	1 51	23 40	0 10	22 22	0 43	22 25	0 46	18 50	0 55	9 14	9 31	18 48			n.a.
S 27	15 38	15 28	5 0	11 40	0 15	15 44	1 23	20 57	1 12	8 48	1 51	23 40	0 10	22 22	0 43	22 24	0 46	18 50	0 55	9 10	9 30	18 49			n.a.
S 28	15 20	12 34	4 44	11 0	0 8	15 18	1 22	20 48	1 12	8 51	1 51	23 40	0 10	22 22	0 43	22 24	0 46	18 50	0 54	9 5	9 29	18 49			n.a.
M29	15 1	9 0	4 13	10 19	0 1	14 52	1 21	20 39	1 12	8 54	1 51	23 40	0 10	22 23	0 43	22 24	0 46	18 50	0 54	9 1	9 27	18 49			n.a.
T 30	14 41	4 58	3 29	9 38	0s 6	14 26	1 21	20 29	1 12	8 57	1 51	23 40	0 10	22 23	0 43	22 23	0 46	18 50	0 54	8 58	9 26	18 50			n.a.
W31	14n22	0s37	2n32	8n57	0s13	13n59	1n20	20n19	1n12	9s 0	1s52	23s40	0s11	22s23	0s43	22n23	0n46	18s50	0n54	8s56	9s25	18s50			n.a.

Julian Day Number = 1103997.5, Delta T = 10h59m41s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'27, Lahiri = -27°16'26 Julian Calendar 1 Aug. 1691 BCE == Greg. Calendar 18 July 1691 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

SEPTEMBER 1691 BCE (-1690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 40 56	23♌13'08	6♈12	8♍25	28♌17	6♌31	11°R38	19°R48	24°R 9	24♋32	26♏24	22°R28	23♎47	11♐53	n.a.	T 1
F 2	21 44 52	24°12'48	19°49	9°56	29°32	7°10	11♓30	19♐47	24♑ 7	24°34	26°25	22°D27	23°44	12° 0	n.a.	F 2
S 3	21 48 49	25°12'29	3♉36	11°26	0♍48	7°49	11°23	19°46	24° 5	24°36	26°25	22♎27	23°40	12° 7	n.a.	S 3
S 4	21 52 45	26°12'13	17°31	12°55	2° 3	8°28	11°15	19°46	24° 4	24°38	26°25	22°28	23°37	12°13	n.a.	S 4
M 5	21 56 42	27°12'00	1♊35	14°24	3°18	9° 8	11° 8	19°45	24° 2	24°40	26°25	22°R28	23°34	12°20	n.a.	M 5
T 6	22 0 39	28°11'49	15°47	15°52	4°33	9°47	11° 0	19°45	24° 0	24°42	26°26	22°27	23°31	12°27	n.a.	T 6
W 7	22 4 35	29°11'41	0♋ 5	17°19	5°49	10°26	10°52	19°45	23°58	24°44	26°26	22°23	23°28	12°33	n.a.	W 7
T 8	22 8 32	0♍11'35	14°25	18°45	7° 4	11° 5	10°44	19°45	23°56	24°45	26°27	22°18	23°25	12°40	n.a.	T 8
F 9	22 12 28	1°11'31	28°45	20°11	8°19	11°45	10°36	19°D45	23°54	24°47	26°27	22°10	23°21	12°47	n.a.	F 9
S 10	22 16 25	2°11'29	12♌58	21°36	9°35	12°24	10°28	19°45	23°53	24°49	26°28	22° 2	23°18	12°53	n.a.	S 10
S 11	22 20 21	3°11'30	26°59	23° 0	10°50	13° 3	10°20	19°45	23°51	24°51	26°28	21°53	23°15	13° 0	n.a.	S 11
M12	22 24 18	4°11'33	10♍44	24°23	12° 5	13°43	10°12	19°45	23°49	24°53	26°29	21°46	23°12	13° 7	n.a.	M12
T 13	22 28 14	5°11'38	24° 8	25°45	13°21	14°22	10° 4	19°46	23°48	24°55	26°29	21°41	23° 9	13°13	n.a.	T 13
W14	22 32 11	6°11'44	7♎12	27° 6	14°36	15° 2	9°56	19°46	23°46	24°56	26°30	21°37	23° 5	13°20	n.a.	W14
T 15	22 36 7	7°11'53	19°54	28°26	15°51	15°41	9°48	19°47	23°45	24°58	26°31	21°D36	23° 2	13°27	n.a.	T 15
F 16	22 40 4	8°12'03	2♏18	29°45	17° 6	16°20	9°40	19°47	23°43	25° 0	26°31	21°37	22°59	13°34	n.a.	F 16
S 17	22 44 1	9°12'15	14°27	1♎ 3	18°22	17° 0	9°32	19°48	23°42	25° 2	26°32	21°38	22°56	13°40	n.a.	S 17
S 18	22 47 57	10°12'29	26°25	2°20	19°37	17°39	9°23	19°49	23°40	25° 3	26°33	21°40	22°53	13°47	n.a.	S 18
M19	22 51 54	11°12'45	8♐16	3°35	20°52	18°19	9°15	19°50	23°39	25° 5	26°33	21°R41	22°50	13°54	n.a.	M19
T 20	22 55 50	12°13'03	20° 7	4°48	22° 8	18°58	9° 7	19°51	23°37	25° 7	26°34	21°40	22°46	14° 0	n.a.	T 20
W21	22 59 47	13°13'22	2♑ 2	6° 0	23°23	19°38	8°59	19°53	23°36	25° 8	26°35	21°38	22°43	14° 7	n.a.	W21
T 22	23 3 43	14°13'42	14° 6	7° 9	24°38	20°18	8°51	19°54	23°35	25°10	26°36	21°35	22°40	14°14	n.a.	T 22
F 23	23 7 40	15°14'05	26°22	8°17	25°54	20°57	8°43	19°55	23°34	25°12	26°37	21°30	22°37	14°20	n.a.	F 23
S 24	23 11 36	16°14'29	8♒55	9°22	27° 9	21°37	8°35	19°57	23°32	25°13	26°38	21°24	22°34	14°27	n.a.	S 24
S 25	23 15 33	17°14'54	21°46	10°24	28°24	22°16	8°27	19°59	23°31	25°15	26°39	21°18	22°31	14°34	n.a.	S 25
M26	23 19 29	18°15'22	4♓55	11°24	29°39	22°56	8°19	20° 0	23°30	25°16	26°40	21°12	22°27	14°40	n.a.	M26
T 27	23 23 26	19°15'51	18°21	12°20	0♎55	23°36	8°11	20° 2	23°29	25°18	26°41	21° 7	22°24	14°47	n.a.	T 27
W28	23 27 23	20°16'22	2♈ 3	13°12	2°10	24°15	8° 3	20° 4	23°28	25°19	26°42	21° 4	22°21	14°54	n.a.	W28
T 29	23 31 19	21°16'54	15°58	14° 0	3°25	24°55	7°56	20° 6	23°27	25°21	26°43	21°D 3	22°18	15° 1	n.a.	T 29
F 30	23 35 16	22♍17'29	0♉ 2	14♎43	4♎40	25♌35	7♓48	20♐ 8	23♑26	25♋22	26♏44	21♎ 3	22♎15	15♐ 7	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n 2	3n49	1n26	8n16	0s20	13n32	1n19	20n 9	1n12	9s 3	1s52	23s40	0s11	22s24	0s43	22n23	0n46	18s50	0n54	8s54	9s24	18s50		n.a.
F 2	13 42	8 7	0 14	7 35	0 27	13 4	1 18	19 59	1 12	9 6	1 52	23 40	0 11	22 24	0 43	22 22	0 46	18 51	0 54	8 54	9 23	18 51		n.a.
S 3	13 22	12 1	0s59	6 54	0 34	12 36	1 18	19 49	1 12	9 9	1 52	23 40	0 11	22 24	0 43	22 22	0 46	18 51	0 54	8 54	9 22	18 51		n.a.
S 4	13 1	15 18	2 10	6 12	0 41	12 8	1 17	19 39	1 12	9 12	1 52	23 40	0 11	22 25	0 43	22 22	0 46	18 51	0 54	8 54	9 20	18 51		n.a.
M 5	12 40	17 42	3 14	5 31	0 48	11 39	1 16	19 28	1 12	9 15	1 52	23 40	0 11	22 25	0 43	22 21	0 46	18 51	0 53	8 54	9 19	18 51		n.a.
T 6	12 19	19 2	4 6	4 50	0 55	11 10	1 15	19 17	1 12	9 18	1 52	23 40	0 11	22 25	0 43	22 21	0 46	18 51	0 53	8 54	9 18	18 52		n.a.
W 7	11 58	19 9	4 44	4 9	1 2	10 41	1 13	19 6	1 12	9 21	1 52	23 40	0 11	22 26	0 43	22 21	0 46	18 52	0 53	8 52	9 17	18 52		n.a.
T 8	11 37	18 4	5 4	3 29	1 9	10 12	1 12	18 55	1 12	9 24	1 52	23 40	0 11	22 26	0 43	22 20	0 46	18 52	0 53	8 50	9 16	18 52		n.a.
F 9	11 15	15 50	5 5	2 48	1 15	9 42	1 11	18 44	1 12	9 27	1 52	23 40	0 11	22 26	0 43	22 20	0 46	18 52	0 53	8 47	9 14	18 53		n.a.
S 10	10 53	12 40	4 47	2 8	1 22	9 12	1 10	18 33	1 12	9 31	1 52	23 40	0 11	22 27	0 43	22 20	0 46	18 52	0 53	8 44	9 13	18 53		n.a.
S 11	10 31	8 49	4 12	1 28	1 29	8 41	1 8	18 22	1 12	9 34	1 52	23 40	0 11	22 27	0 43	22 19	0 46	18 53	0 53	8 41	9 12	18 53		n.a.
M12	10 9	4 34	3 22	0 49	1 36	8 11	1 7	18 10	1 12	9 37	1 52	23 40	0 11	22 27	0 43	22 19	0 46	18 53	0 53	8 38	9 11	18 53		n.a.
T 13	9 47	0 11	2 23	0 10	1 42	7 40	1 5	17 58	1 12	9 40	1 53	23 41	0 11	22 27	0 43	22 19	0 47	18 53	0 52	8 36	9 10	18 54		n.a.
W14	9 24	4s 5	1 17	0s29	1 48	7 9	1 4	17 47	1 12	9 43	1 53	23 41	0 12	22 28	0 43	22 18	0 47	18 53	0 52	8 35	9 8	18 54		n.a.
T 15	9 2	8 4	0 9	1 7	1 55	6 38	1 2	17 35	1 12	9 46	1 53	23 41	0 12	22 28	0 43	22 18	0 47	18 54	0 52	8 35	9 7	18 54		n.a.
F 16	8 39	11 36	0n58	1 44	2 1	6 7	1 1	17 23	1 12	9 49	1 52	23 41	0 12	22 28	0 43	22 18	0 47	18 54	0 52	8 35	9 6	18 54		n.a.
S 17	8 16	14 33	2 1	2 21	2 6	5 35	0 59	17 10	1 12	9 52	1 52	23 41	0 12	22 28	0 43	22 17	0 47	18 54	0 52	8 35	9 5	18 55		n.a.
S 18	7 53	16 50	2 58	2 57	2 12	5 4	0 57	16 58	1 12	9 56	1 52	23 41	0 12	22 29	0 43	22 17	0 47	18 54	0 52	8 36	9 4	18 55		n.a.
M19	7 30	18 22	3 46	3 32	2 17	4 32	0 56	16 46	1 12	9 59	1 52	23 41	0 12	22 29	0 43	22 17	0 47	18 55	0 52	8 36	9 2	18 55		n.a.
T 20	7 6	19 6	4 25	4 7	2 22	4 0	0 54	16 33	1 12	10 2	1 52	23 41	0 12	22 29	0 43	22 17	0 47	18 55	0 52	8 36	9 1	18 55		n.a.
W21	6 43	18 59	4 53	4 40	2 27	3 28	0 52	16 20	1 12	10 5	1 52	23 42	0 12	22 29	0 43	22 16	0 47	18 55	0 51	8 35	9 0	18 56		n.a.
T 22	6 19	18 1	5 8	5 12	2 32	2 56	0 50	16 8	1 12	10 8	1 52	23 42	0 12	22 30	0 43	22 16	0 47	18 56	0 51	8 34	8 59	18 56		n.a.
F 23	5 55	16 12	5 10	5 43	2 36	2 24	0 48	15 55	1 12	10 11	1 52	23 42	0 12	22 30	0 43	22 16	0 47	18 56	0 51	8 32	8 58	18 56		n.a.
S 24	5 32	13 36	4 57	6 13	2 39	1 52	0 46	15 42	1 12	10 14	1 52	23 42	0 12	22 30	0 43	22 16	0 47	18 56	0 51	8 30	8 56	18 56		n.a.
S 25	5 8	10 17	4 29	6 41	2 42	1 19	0 44	15 28	1 12	10 17	1 52	23 42	0 12	22 30	0 43	22 15	0 47	18 57	0 51	8 27	8 55	18 57		n.a.
M26	4 44	6 24	3 46	7 7	2 45	0 47	0 42	15 15	1 12	10 20	1 52	23 43	0 12	22 30	0 43	22 15	0 47	18 57	0 51	8 25	8 54	18 57		n.a.
T 27	4 20	2 6	2 49	7 31	2 47	0 14	0 40	15 2	1 11	10 23	1 52	23 43	0 12	22 30	0 43	22 15	0 47	18 57	0 51	8 23	8 53	18 57		n.a.
W28	3 55	2n23	1 42	7 53	2 48	0s18	0 38	14 48	1 11	10 26	1 52	23 43	0 12	22 31	0 43	22 15	0 47	18 58	0 51	8 22	8 52	18 57		n.a.
T 29	3 31	6 49	0 28	8 13	2 49	0 50	0 36	14 35	1 11	10 28	1 52	23 43	0 13	22 31	0 43	22 14	0 47	18 58	0 51	8 22	8 50	18 57		n.a.
F 30	3n 7	10n56	0s49	8s29	2s49	1s23	0n34	14n21	1n11	10s31	1s51	23s43	0s13	22s31	0s43	22n14	0n47	18s58	0n50	8s22	8s49	18s58		n.a.

Julian Day Number = 1104028.5, Delta T = 10h59m40s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'22, Lahiri = -27°16'22 Julian Calendar 1 Sept. 1691 BCE == Greg. Calendar 18 Aug. 1691 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

OCTOBER 1691 BCE (-1690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 39 12	23♍18'05	14♉11	15♎21	5♎56	26♌15	7°R40	20♐11	23°R25	25♋23	26♏45	21♎ 4	22♎11	15♐14	n.a.	S 1
S 2	23 43 9	24°18'43	28°24	15°53	7°11	26°54	7♓33	20°13	23♑24	25°25	26°46	21° 6	22° 8	15°21	n.a.	S 2
M 3	23 47 5	25°19'24	12♊36	16°18	8°26	27°34	7°25	20°15	23°24	25°26	26°47	21° 7	22° 5	15°27	n.a.	M 3
T 4	23 51 2	26°20'06	26°47	16°36	9°41	28°14	7°18	20°18	23°23	25°27	26°48	21°R 8	22° 2	15°34	n.a.	T 4
W 5	23 54 58	27°20'50	10♋54	16°46	10°57	28°54	7°11	20°21	23°22	25°29	26°49	21° 7	21°59	15°41	n.a.	W 5
T 6	23 58 55	28°21'36	24°55	16°R47	12°12	29°34	7° 4	20°23	23°22	25°30	26°51	21° 5	21°56	15°47	n.a.	T 6
F 7	0 2 52	29°22'24	8♌49	16°39	13°27	0♍14	6°57	20°26	23°21	25°31	26°52	21° 3	21°52	15°54	n.a.	F 7
S 8	0 6 48	0♎23'14	22°34	16°21	14°42	0°54	6°50	20°29	23°21	25°32	26°53	21° 0	21°49	16° 1	n.a.	S 8
S 9	0 10 45	1°24'05	6♍ 6	15°52	15°58	1°34	6°43	20°32	23°20	25°33	26°55	20°57	21°46	16° 8	n.a.	S 9
M10	0 14 41	2°24'57	19°25	15°12	17°13	2°14	6°36	20°35	23°20	25°35	26°56	20°54	21°43	16°14	n.a.	M10
T 11	0 18 38	3°25'51	2♎30	14°22	18°28	2°54	6°30	20°38	23°19	25°36	26°57	20°52	21°40	16°21	n.a.	T 11
W12	0 22 34	4°26'47	15°18	13°23	19°43	3°34	6°24	20°42	23°19	25°37	26°59	20°D51	21°36	16°28	n.a.	W12
T 13	0 26 31	5°27'44	27°51	12°14	20°58	4°14	6°17	20°45	23°19	25°38	27° 0	20°51	21°33	16°34	n.a.	T 13
F 14	0 30 27	6°28'42	10♏10	10°59	22°14	4°54	6°11	20°49	23°18	25°39	27° 1	20°52	21°30	16°41	n.a.	F 14
S 15	0 34 24	7°29'41	22°16	9°39	23°29	5°34	6° 5	20°52	23°18	25°40	27° 3	20°53	21°27	16°48	n.a.	S 15
S 16	0 38 20	8°30'42	4♐14	8°17	24°44	6°14	6° 0	20°56	23°18	25°41	27° 4	20°55	21°24	16°54	n.a.	S 16
M17	0 42 17	9°31'43	16° 5	6°56	25°59	6°54	5°54	21° 0	23°18	25°42	27° 6	20°56	21°21	17° 1	n.a.	M17
T 18	0 46 14	10°32'45	27°56	5°37	27°14	7°35	5°49	21° 3	23°D18	25°42	27° 7	20°57	21°17	17° 8	n.a.	T 18
W19	0 50 10	11°33'48	9♑50	4°25	28°29	8°15	5°43	21° 7	23°18	25°43	27° 9	20°R57	21°14	17°15	n.a.	W19
T 20	0 54 7	12°34'52	21°52	3°20	29°45	8°55	5°38	21°11	23°18	25°44	27°10	20°57	21°11	17°21	n.a.	T 20
F 21	0 58 3	13°35'57	4♒ 7	2°25	1♏ 0	9°35	5°33	21°15	23°18	25°45	27°12	20°56	21° 8	17°28	n.a.	F 21
S 22	1 2 0	14°37'03	16°39	1°41	2°15	10°15	5°29	21°20	23°18	25°46	27°14	20°56	21° 5	17°35	n.a.	S 22
S 23	1 5 56	15°38'09	29°32	1° 9	3°30	10°56	5°24	21°24	23°19	25°46	27°15	20°55	21° 2	17°41	n.a.	S 23
M24	1 9 53	16°39'16	12♓48	0°47	4°45	11°36	5°20	21°28	23°19	25°47	27°17	20°54	20°58	17°48	n.a.	M24
T 25	1 13 50	17°40'24	26°27	0°D37	6° 0	12°16	5°16	21°33	23°19	25°48	27°19	20°54	20°55	17°55	n.a.	T 25
W26	1 17 46	18°41'32	10♈27	0°38	7°15	12°57	5°12	21°37	23°20	25°48	27°20	20°54	20°52	18° 1	n.a.	W26
T 27	1 21 43	19°42'41	24°46	0°49	8°30	13°37	5° 8	21°42	23°20	25°49	27°22	20°D54	20°49	18° 8	n.a.	T 27
F 28	1 25 39	20°43'52	9♉19	1° 9	9°45	14°17	5° 4	21°46	23°21	25°49	27°24	20°R54	20°46	18°15	n.a.	F 28
S 29	1 29 36	21°45'03	23°58	1°37	11° 0	14°58	5° 1	21°51	23°21	25°50	27°25	20°54	20°42	18°22	n.a.	S 29
S 30	1 33 32	22°46'15	8♊38	2°13	12°15	15°38	4°57	21°56	23°22	25°50	27°27	20°53	20°39	18°28	n.a.	S 30
M31	1 37 29	23♎47'28	23♊13	2♎56	13♏30	16♍19	4♓54	22♐ 1	23♑22	25♋51	27♏29	20♎53	20♎36	18♐35	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	2n42	14n26	2s 4	8s43	2s48	1s55	0n31	14n 7	1n11	10s34	1s51	23s44	0s13	22s31	0s43	22n14	0n47	18s59	0n50	8s22	8s48	18s58		n.a.	
S 2	2 18	17 4	3 11	8 54	2 46	2 28	0 29	13 53	1 11	10 37	1 51	23 44	0 13	22 31	0 43	22 14	0 47	18 59	0 50	8 23	8 47	18 58		n.a.	
M 3	1 54	18 40	4 6	9 1	2 42	3 0	0 27	13 39	1 11	10 39	1 51	23 44	0 13	22 31	0 43	22 13	0 47	19 0	0 50	8 23	8 45	18 58		n.a.	
T 4	1 29	19 4	4 47	9 4	2 38	3 32	0 25	13 25	1 11	10 42	1 51	23 44	0 13	22 31	0 43	22 13	0 47	19 0	0 50	8 24	8 44	18 58		n.a.	
W 5	1 4	18 17	5 10	9 3	2 32	4 4	0 22	13 11	1 11	10 45	1 51	23 45	0 13	22 31	0 43	22 13	0 47	19 0	0 50	8 23	8 43	18 59		n.a.	
T 6	0 40	16 24	5 14	8 56	2 25	4 36	0 20	12 56	1 11	10 47	1 50	23 45	0 13	22 31	0 43	22 13	0 47	19 1	0 50	8 23	8 42	18 59		n.a.	
F 7	0 15	13 34	5 0	8 45	2 16	5 8	0 17	12 42	1 11	10 50	1 50	23 45	0 13	22 31	0 43	22 13	0 47	19 1	0 50	8 22	8 41	18 59		n.a.	
S 8	0s 9	10 2	4 28	8 28	2 5	5 40	0 15	12 27	1 11	10 52	1 50	23 45	0 13	22 32	0 43	22 12	0 47	19 2	0 49	8 21	8 39	18 59		n.a.	
S 9	0 34	6 0	3 42	8 5	1 53	6 12	0 13	12 13	1 10	10 54	1 50	23 46	0 13	22 32	0 42	22 12	0 47	19 2	0 49	8 19	8 38	18 59		n.a.	
M10	0 59	1 44	2 45	7 37	1 39	6 44	0 10	11 58	1 10	10 57	1 50	23 46	0 13	22 32	0 42	22 12	0 47	19 2	0 49	8 18	8 37	18 59		n.a.	
T 11	1 23	2s32	1 40	7 2	1 23	7 15	0 8	11 43	1 10	10 59	1 49	23 46	0 13	22 32	0 42	22 12	0 47	19 3	0 49	8 18	8 36	19 0		n.a.	
W12	1 48	6 36	0 31	6 23	1 6	7 46	0 5	11 28	1 10	11 1	1 49	23 47	0 13	22 32	0 42	22 12	0 47	19 3	0 49	8 17	8 35	19 0		n.a.	
T 13	2 13	10 18	0n39	5 39	0 47	8 17	0 3	11 13	1 10	11 3	1 49	23 47	0 13	22 32	0 42	22 12	0 48	19 4	0 49	8 17	8 33	19 0		n.a.	
F 14	2 37	13 29	1 45	4 51	0 27	8 48	0 0	10 58	1 10	11 5	1 49	23 47	0 13	22 32	0 42	22 11	0 48	19 4	0 49	8 18	8 32	19 0		n.a.	
S 15	3 2	16 1	2 45	4 0	0 7	9 19	0s 2	10 43	1 10	11 7	1 48	23 48	0 14	22 32	0 42	22 11	0 48	19 5	0 49	8 18	8 31	19 0		n.a.	
S 16	3 26	17 49	3 38	3 8	0n14	9 50	0 5	10 28	1 10	11 9	1 48	23 48	0 14	22 32	0 42	22 11	0 48	19 5	0 49	8 19	8 30	19 0		n.a.	
M17	3 51	18 50	4 21	2 16	0 34	10 20	0 7	10 13	1 9	11 11	1 48	23 48	0 14	22 32	0 42	22 11	0 48	19 6	0 48	8 19	8 29	19 1		n.a.	
T 18	4 15	19 0	4 52	1 27	0 54	10 50	0 10	9 57	1 9	11 13	1 48	23 49	0 14	22 32	0 42	22 11	0 48	19 6	0 48	8 19	8 27	19 1		n.a.	
W19	4 39	18 20	5 11	0 41	1 12	11 20	0 12	9 42	1 9	11 15	1 47	23 49	0 14	22 32	0 42	22 11	0 48	19 6	0 48	8 20	8 26	19 1		n.a.	
T 20	5 4	16 51	5 17	0n 1	1 29	11 49	0 15	9 26	1 9	11 16	1 47	23 49	0 14	22 32	0 42	22 11	0 48	19 7	0 48	8 19	8 25	19 1		n.a.	
F 21	5 28	14 35	5 9	0 37	1 44	12 18	0 17	9 11	1 9	11 18	1 47	23 50	0 14	22 32	0 42	22 11	0 48	19 7	0 48	8 19	8 24	19 1		n.a.	
S 22	5 52	11 36	4 46	1 6	1 57	12 47	0 20	8 55	1 9	11 19	1 47	23 50	0 14	22 31	0 42	22 10	0 48	19 8	0 48	8 19	8 22	19 1		n.a.	
S 23	6 16	7 59	4 8	1 30	2 8	13 16	0 22	8 39	1 8	11 21	1 46	23 50	0 14	22 31	0 42	22 10	0 48	19 8	0 48	8 19	8 21	19 1		n.a.	
M24	6 40	3 52	3 16	1 47	2 18	13 44	0 25	8 24	1 8	11 22	1 46	23 51	0 14	22 31	0 42	22 10	0 48	19 9	0 48	8 18	8 20	19 2		n.a.	
T 25	7 4	0n34	2 12	1 57	2 25	14 12	0 27	8 8	1 8	11 24	1 46	23 51	0 14	22 31	0 42	22 10	0 48	19 9	0 48	8 18	8 19	19 2		n.a.	
W26	7 27	5 6	0 58	2 2	2 30	14 39	0 30	7 52	1 8	11 25	1 45	23 51	0 14	22 31	0 42	22 10	0 48	19 10	0 47	8 18	8 18	19 2		n.a.	
T 27	7 51	9 26	0s22	2 1	2 34	15 6	0 32	7 36	1 8	11 26	1 45	23 52	0 14	22 31	0 42	22 10	0 48	19 10	0 47	8 18	8 16	19 2		n.a.	
F 28	8 14	13 17	1 41	1 55	2 36	15 33	0 34	7 20	1 7	11 27	1 45	23 52	0 14	22 31	0 42	22 10	0 48	19 11	0 47	8 18	8 15	19 2		n.a.	
S 29	8 38	16 19	2 54	1 44	2 37	15 59	0 37	7 4	1 7	11 28	1 44	23 52	0 14	22 31	0 42	22 10	0 48	19 11	0 47	8 18	8 14	19 2		n.a.	
S 30	9 1	18 17	3 55	1 29	2 37	16 25	0 39	6 48	1 7	11 29	1 44	23 53	0 14	22 31	0 42	22 10	0 48	19 12	0 47	8 18	8 13	19 2		n.a.	
M31	9s24	19n 2	4s41	1n11	2n35	16s51	0s42	6n31	1n 7	11s30	1s44	23s53	0s15	22s31	0s42	22n10	0n48	19s12	0n47	8s18	8s12	19s 2		n.a.	

Julian Day Number = 1104058.5, Delta T = 10h59m38s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'18, Lahiri = -27°16'18 Julian Calendar 1 Oct. 1691 BCE == Greg. Calendar 17 Sept. 1691 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

NOVEMBER 1691 BCE (-1690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 41 25	24♎48'42	7♋37	3♎44	14♏45	16♍59	4°R52	22♐ 6	23♑23	25♋51	27♏31	20°R53	20♎33	18♐42	n.a.	T 1
W 2	1 45 22	25°49'57	21°47	4°38	16° 0	17°40	4♓49	22°11	23°24	25°52	27°32	20°D53	20°30	18°48	n.a.	W 2
T 3	1 49 19	26°51'12	5♌42	5°36	17°15	18°20	4°47	22°16	23°25	25°52	27°34	20♎53	20°27	18°55	n.a.	T 3
F 4	1 53 15	27°52'29	19°21	6°38	18°30	19° 1	4°44	22°21	23°25	25°52	27°36	20°53	20°23	19° 2	n.a.	F 4
S 5	1 57 12	28°53'46	2♍44	7°44	19°45	19°41	4°42	22°26	23°26	25°52	27°38	20°54	20°20	19° 8	n.a.	S 5
S 6	2 1 8	29°55'04	15°52	8°53	21° 0	20°22	4°40	22°32	23°27	25°53	27°40	20°55	20°17	19°15	n.a.	S 6
M 7	2 5 5	0♏56'23	28°46	10° 5	22°14	21° 3	4°39	22°37	23°28	25°53	27°42	20°56	20°14	19°22	n.a.	M 7
T 8	2 9 1	1°57'42	11♎27	11°19	23°29	21°43	4°37	22°42	23°29	25°53	27°43	20°56	20°11	19°29	n.a.	T 8
W 9	2 12 58	2°59'01	23°57	12°35	24°44	22°24	4°36	22°48	23°30	25°53	27°45	20°R56	20° 8	19°35	n.a.	W 9
T 10	2 16 54	4° 0'21	6♏16	13°53	25°59	23° 5	4°35	22°54	23°32	25°53	27°47	20°56	20° 4	19°42	n.a.	T 10
F 11	2 20 51	5° 1'41	18°25	15°12	27°14	23°45	4°34	22°59	23°33	25°53	27°49	20°55	20° 1	19°49	n.a.	F 11
S 12	2 24 48	6° 3'02	0♐26	16°33	28°29	24°26	4°34	23° 5	23°34	25°R53	27°51	20°53	19°58	19°55	n.a.	S 12
S 13	2 28 44	7° 4'22	12°21	17°55	29°44	25° 7	4°33	23°11	23°35	25°53	27°53	20°50	19°55	20° 2	n.a.	S 13
M14	2 32 41	8° 5'42	24°12	19°18	0♐58	25°48	4°D33	23°16	23°37	25°53	27°55	20°47	19°52	20° 9	n.a.	M14
T 15	2 36 37	9° 7'03	6♑ 2	20°42	2°13	26°29	4°33	23°22	23°38	25°53	27°57	20°44	19°48	20°15	n.a.	T 15
W16	2 40 34	10° 8'23	17°55	22° 7	3°28	27° 9	4°34	23°28	23°40	25°53	27°59	20°42	19°45	20°22	n.a.	W16
T 17	2 44 30	11° 9'43	29°55	23°32	4°43	27°50	4°34	23°34	23°41	25°53	28° 1	20°41	19°42	20°29	n.a.	T 17
F 18	2 48 27	12°11'02	12♒ 6	24°59	5°57	28°31	4°35	23°40	23°43	25°53	28° 3	20°D40	19°39	20°36	n.a.	F 18
S 19	2 52 24	13°12'21	24°32	26°26	7°12	29°12	4°36	23°46	23°44	25°53	28° 5	20°40	19°36	20°42	n.a.	S 19
S 20	2 56 20	14°13'40	7♓19	27°54	8°27	29°53	4°37	23°53	23°46	25°52	28° 7	20°42	19°33	20°49	n.a.	S 20
M21	3 0 17	15°14'58	20°30	29°22	9°41	0♎34	4°38	23°59	23°47	25°52	28° 9	20°43	19°29	20°56	n.a.	M21
T 22	3 4 13	16°16'16	4♈ 8	0♏50	10°56	1°15	4°40	24° 5	23°49	25°52	28°11	20°45	19°26	21° 2	n.a.	T 22
W23	3 8 10	17°17'33	18°13	2°20	12°11	1°56	4°41	24°11	23°51	25°51	28°13	20°R46	19°23	21° 9	n.a.	W23
T 24	3 12 6	18°18'50	2♉43	3°49	13°25	2°37	4°43	24°18	23°53	25°51	28°15	20°45	19°20	21°16	n.a.	T 24
F 25	3 16 3	19°20'07	17°34	5°20	14°40	3°18	4°45	24°24	23°55	25°51	28°17	20°43	19°17	21°23	n.a.	F 25
S 26	3 19 59	20°21'23	2♊38	6°50	15°54	3°59	4°48	24°31	23°56	25°50	28°19	20°40	19°13	21°29	n.a.	S 26
S 27	3 23 56	21°22'39	17°45	8°21	17° 9	4°40	4°50	24°37	23°58	25°50	28°21	20°36	19°10	21°36	n.a.	S 27
M28	3 27 53	22°23'55	2♋47	9°53	18°23	5°21	4°53	24°44	24° 0	25°49	28°23	20°31	19° 7	21°43	n.a.	M28
T 29	3 31 49	23°25'10	17°34	11°25	19°38	6° 2	4°56	24°50	24° 2	25°49	28°25	20°26	19° 4	21°49	n.a.	T 29
W30	3 35 46	24♏26'25	2♌ 0	12♏57	20♐52	6♎43	4♓59	24♐57	24♑ 4	25♋48	28♏27	20♎23	19♎ 1	21♐56	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s47	18n31	5s 9	0n49	2n33	17s16	0s44	6n15	1n 7	11s30	1s44	23s53	0s15	22s30	0s42	22n10	0n48	19s13	0n47	8s18	8s10	19s 2		n.a.
W 2	10 10	16 52	5 18	0 25	2 30	17 41	0 46	5 59	1 6	11 31	1 43	23 54	0 15	22 30	0 42	22 10	0 48	19 13	0 47	8 18	8 9	19 2		n.a.
T 3	10 32	14 14	5 7	0s 2	2 27	18 5	0 49	5 42	1 6	11 32	1 43	23 54	0 15	22 30	0 42	22 10	0 48	19 14	0 47	8 18	8 8	19 3		n.a.
F 4	10 55	10 53	4 39	0 31	2 22	18 28	0 51	5 26	1 6	11 32	1 43	23 55	0 15	22 30	0 42	22 10	0 48	19 14	0 46	8 18	8 7	19 3		n.a.
S 5	11 17	7 1	3 57	1 2	2 17	18 51	0 53	5 10	1 6	11 33	1 42	23 55	0 15	22 30	0 42	22 10	0 48	19 15	0 46	8 18	8 5	19 3		n.a.
S 6	11 39	2 53	3 3	1 34	2 12	19 14	0 56	4 53	1 6	11 33	1 42	23 55	0 15	22 29	0 42	22 10	0 48	19 15	0 46	8 19	8 4	19 3		n.a.
M 7	12 1	1s20	2 0	2 8	2 7	19 36	0 58	4 37	1 5	11 33	1 42	23 56	0 15	22 29	0 42	22 10	0 48	19 16	0 46	8 19	8 3	19 3		n.a.
T 8	12 23	5 25	0 52	2 43	2 1	19 58	1 0	4 20	1 5	11 34	1 41	23 56	0 15	22 29	0 42	22 10	0 49	19 17	0 46	8 19	8 2	19 3		n.a.
W 9	12 44	9 12	0n17	3 19	1 54	20 19	1 2	4 4	1 5	11 34	1 41	23 56	0 15	22 29	0 42	22 10	0 49	19 17	0 46	8 19	8 1	19 3		n.a.
T 10	13 5	12 32	1 24	3 55	1 48	20 39	1 4	3 47	1 5	11 34	1 41	23 57	0 15	22 29	0 41	22 10	0 49	19 18	0 46	8 19	7 59	19 3		n.a.
F 11	13 26	15 17	2 26	4 33	1 41	20 59	1 6	3 30	1 4	11 34	1 40	23 57	0 15	22 28	0 41	22 10	0 49	19 18	0 46	8 19	7 58	19 3		n.a.
S 12	13 47	17 20	3 22	5 10	1 34	21 18	1 8	3 14	1 4	11 34	1 40	23 58	0 15	22 28	0 41	22 10	0 49	19 19	0 46	8 18	7 57	19 3		n.a.
S 13	14 8	18 37	4 7	5 49	1 27	21 37	1 10	2 57	1 4	11 33	1 39	23 58	0 15	22 28	0 41	22 10	0 49	19 19	0 46	8 17	7 56	19 3		n.a.
M14	14 28	19 4	4 42	6 27	1 20	21 55	1 12	2 40	1 3	11 33	1 39	23 58	0 15	22 28	0 41	22 10	0 49	19 20	0 45	8 16	7 54	19 3		n.a.
T 15	14 48	18 40	5 5	7 6	1 13	22 12	1 14	2 23	1 3	11 33	1 39	23 59	0 15	22 27	0 41	22 10	0 49	19 20	0 45	8 15	7 53	19 3		n.a.
W16	15 8	17 28	5 15	7 45	1 6	22 29	1 16	2 7	1 3	11 32	1 38	23 59	0 16	22 27	0 41	22 10	0 49	19 21	0 45	8 14	7 52	19 3		n.a.
T 17	15 27	15 29	5 11	8 24	0 59	22 45	1 18	1 50	1 3	11 32	1 38	23 59	0 16	22 27	0 41	22 10	0 49	19 21	0 45	8 13	7 51	19 3		n.a.
F 18	15 47	12 47	4 54	9 3	0 51	23 1	1 20	1 33	1 2	11 31	1 38	24 0	0 16	22 26	0 41	22 10	0 49	19 22	0 45	8 13	7 50	19 4		n.a.
S 19	16 6	9 29	4 22	9 42	0 44	23 15	1 21	1 16	1 2	11 31	1 37	24 0	0 16	22 26	0 41	22 10	0 49	19 22	0 45	8 13	7 48	19 4		n.a.
S 20	16 24	5 38	3 37	10 21	0 37	23 29	1 23	0 59	1 2	11 30	1 37	24 0	0 16	22 26	0 41	22 10	0 49	19 23	0 45	8 14	7 47	19 4		n.a.
M21	16 43	1 24	2 39	11 0	0 30	23 43	1 24	0 42	1 1	11 29	1 37	24 1	0 16	22 25	0 41	22 10	0 49	19 24	0 45	8 14	7 46	19 4		n.a.
T 22	17 1	3n 3	1 30	11 38	0 22	23 55	1 26	0 25	1 1	11 28	1 36	24 1	0 16	22 25	0 41	22 10	0 49	19 24	0 45	8 15	7 45	19 4		n.a.
W23	17 19	7 29	0 14	12 16	0 15	24 7	1 28	0 9	1 1	11 27	1 36	24 1	0 16	22 25	0 41	22 11	0 49	19 25	0 45	8 15	7 43	19 4		n.a.
T 24	17 36	11 37	1s 5	12 54	0 8	24 19	1 29	0s 8	1 0	11 26	1 36	24 2	0 16	22 24	0 41	22 11	0 49	19 25	0 44	8 15	7 42	19 4		n.a.
F 25	17 53	15 7	2 22	13 32	0 1	24 29	1 30	0 25	1 0	11 25	1 35	24 2	0 16	22 24	0 41	22 11	0 49	19 26	0 44	8 14	7 41	19 4		n.a.
S 26	18 10	17 39	3 30	14 9	0s 6	24 39	1 32	0 42	1 0	11 24	1 35	24 3	0 16	22 24	0 41	22 11	0 49	19 26	0 44	8 13	7 40	19 4		n.a.
S 27	18 27	18 57	4 23	14 45	0 13	24 48	1 33	0 59	0 59	11 23	1 35	24 3	0 16	22 23	0 41	22 11	0 49	19 27	0 44	8 11	7 39	19 4		n.a.
M28	18 43	18 54	4 58	15 21	0 19	24 56	1 34	1 16	0 59	11 21	1 34	24 3	0 16	22 23	0 41	22 11	0 49	19 27	0 44	8 10	7 37	19 4		n.a.
T 29	18 59	17 33	5 12	15 57	0 26	25 3	1 35	1 33	0 58	11 20	1 34	24 4	0 16	22 23	0 41	22 11	0 49	19 28	0 44	8 8	7 36	19 4		n.a.
W30	19s14	15n 7	5s 6	16s32	0s32	25s10	1s36	1s50	0n58	11s18	1s34	24s 4	0s16	22s22	0s41	22n11	0n49	19s29	0n44	8s 7	7s35	19s 4		n.a.

Julian Day Number = 1104089.5, Delta T = 10h59m36s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'14, Lahiri = -27°16'14 Julian Calendar 1 Nov. 1691 BCE == Greg. Calendar 18 Oct. 1691 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1691 BCE
geocentric

DECEMBER 1691 BCE (-1690) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 39 42	25♏27'40	16♌ 2	14♏30	22♐ 6	7♎24	5♓ 2	25♐ 4	24♑ 7	25°R47	28♏29	20°R21	18♎58	22♐ 3	n.a.	T 1
F 2	3 43 39	26°28'54	29°40	16° 4	23°21	8° 5	5° 6	25°10	24° 9	25♋47	28°31	20°D21	18°54	22°10	n.a.	F 2
S 3	3 47 35	27°30'08	12♍54	17°37	24°35	8°47	5° 9	25°17	24°11	25°46	28°33	20♎22	18°51	22°16	n.a.	S 3
S 4	3 51 32	28°31'22	25°49	19°12	25°49	9°28	5°13	25°24	24°13	25°45	28°35	20°23	18°48	22°23	n.a.	S 4
M 5	3 55 29	29°32'35	8♎26	20°47	27° 4	10° 9	5°17	25°31	24°15	25°45	28°37	20°25	18°45	22°30	n.a.	M 5
T 6	3 59 25	0♐33'47	20°50	22°22	28°18	10°50	5°22	25°37	24°18	25°44	28°39	20°R25	18°42	22°36	n.a.	T 6
W 7	4 3 22	1°34'59	3♏ 3	23°58	29°32	11°32	5°26	25°44	24°20	25°43	28°41	20°24	18°39	22°43	n.a.	W 7
T 8	4 7 18	2°36'10	15° 8	25°34	0♑46	12°13	5°31	25°51	24°22	25°42	28°43	20°21	18°35	22°50	n.a.	T 8
F 9	4 11 15	3°37'21	27° 7	27°11	2° 0	12°54	5°36	25°58	24°25	25°41	28°45	20°16	18°32	22°56	n.a.	F 9
S 10	4 15 11	4°38'31	9♐ 2	28°48	3°15	13°36	5°41	26° 5	24°27	25°41	28°47	20° 9	18°29	23° 3	n.a.	S 10
S 11	4 19 8	5°39'39	20°55	0♐26	4°29	14°17	5°46	26°12	24°30	25°40	28°49	20° 0	18°26	23°10	n.a.	S 11
M12	4 23 4	6°40'47	2♑46	2° 5	5°43	14°58	5°51	26°19	24°32	25°39	28°52	19°50	18°23	23°17	n.a.	M12
T 13	4 27 1	7°41'53	14°37	3°44	6°57	15°40	5°57	26°26	24°35	25°38	28°54	19°41	18°19	23°23	n.a.	T 13
W14	4 30 58	8°42'59	26°32	5°24	8°11	16°21	6° 2	26°33	24°37	25°37	28°56	19°32	18°16	23°30	n.a.	W14
T 15	4 34 54	9°44'02	8♒32	7° 5	9°25	17° 2	6° 8	26°40	24°40	25°36	28°58	19°26	18°13	23°37	n.a.	T 15
F 16	4 38 51	10°45'05	20°41	8°46	10°39	17°44	6°14	26°48	24°43	25°35	29° 0	19°21	18°10	23°43	n.a.	F 16
S 17	4 42 47	11°46'06	3♓ 3	10°28	11°53	18°25	6°21	26°55	24°45	25°34	29° 2	19°19	18° 7	23°50	n.a.	S 17
S 18	4 46 44	12°47'06	15°43	12°10	13° 6	19° 7	6°27	27° 2	24°48	25°32	29° 4	19°D18	18° 4	23°57	n.a.	S 18
M19	4 50 40	13°48'03	28°45	13°53	14°20	19°48	6°33	27° 9	24°51	25°31	29° 6	19°19	18° 0	24° 4	n.a.	M19
T 20	4 54 37	14°49'00	12♈13	15°37	15°34	20°30	6°40	27°16	24°54	25°30	29° 8	19°R20	17°57	24°10	n.a.	T 20
W21	4 58 34	15°49'55	26° 9	17°21	16°48	21°11	6°47	27°24	24°56	25°29	29°10	19°20	17°54	24°17	n.a.	W21
T 22	5 2 30	16°50'48	10♉33	19° 7	18° 1	21°53	6°54	27°31	24°59	25°28	29°12	19°18	17°51	24°24	n.a.	T 22
F 23	5 6 27	17°51'40	25°24	20°52	19°15	22°34	7° 1	27°38	25° 2	25°27	29°14	19°14	17°48	24°30	n.a.	F 23
S 24	5 10 23	18°52'30	10♊35	22°39	20°28	23°16	7° 9	27°45	25° 5	25°25	29°15	19° 7	17°45	24°37	n.a.	S 24
S 25	5 14 20	19°53'19	25°55	24°26	21°42	23°58	7°16	27°53	25° 8	25°24	29°17	18°58	17°41	24°44	n.a.	S 25
M26	5 18 16	20°54'06	11♋15	26°13	22°55	24°39	7°24	28° 0	25°11	25°23	29°19	18°48	17°38	24°51	n.a.	M26
T 27	5 22 13	21°54'52	26°21	28° 1	24° 9	25°21	7°32	28° 7	25°14	25°21	29°21	18°39	17°35	24°57	n.a.	T 27
W28	5 26 9	22°55'37	11♌ 6	29°49	25°22	26° 2	7°40	28°14	25°17	25°20	29°23	18°31	17°32	25° 4	n.a.	W28
T 29	5 30 6	23°56'20	25°23	1♑38	26°35	26°44	7°48	28°22	25°20	25°19	29°25	18°25	17°29	25°11	n.a.	T 29
F 30	5 34 3	24°57'02	9♍10	3°27	27°48	27°26	7°56	28°29	25°23	25°17	29°27	18°22	17°25	25°17	n.a.	F 30
S 31	5 37 59	25♐57'43	22♍28	5♑16	29♑ 2	28♎ 7	8♓ 4	28♐36	25♑26	25♋16	29♏29	18°D21	17♎22	25♐24	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
T 1	19s29	11n51	4s42	17s 6	0s39	25s16	1s37	2s 7	0n58	11s17	1s33	24s 4	0s17	22s22	0s41	22n12	0n49	19s29	0n44	8s 6		7s34		19s 4			n.a.
F 2	19 44	8 2	4 2	17 40	0 45	25 21	1 38	2 24	0 57	11 15	1 33	24 5	0 17	22 21	0 41	22 12	0 49	19 30	0 44	8 6		7 32		19 4			n.a.
S 3	19 58	3 55	3 10	18 13	0 51	25 26	1 39	2 40	0 57	11 14	1 33	24 5	0 17	22 21	0 41	22 12	0 50	19 30	0 44	8 6		7 31		19 4			n.a.
S 4	20 12	0s17	2 10	18 46	0 57	25 29	1 40	2 57	0 56	11 12	1 32	24 5	0 17	22 21	0 41	22 12	0 50	19 31	0 44	8 7		7 30		19 4			n.a.
M 5	20 26	4 24	1 5	19 17	1 2	25 32	1 41	3 14	0 56	11 10	1 32	24 5	0 17	22 20	0 41	22 12	0 50	19 31	0 43	8 7		7 29		19 4			n.a.
T 6	20 39	8 15	0n 2	19 48	1 8	25 34	1 41	3 31	0 56	11 8	1 32	24 6	0 17	22 20	0 41	22 12	0 50	19 32	0 43	8 7		7 27		19 4			n.a.
W 7	20 52	11 42	1 8	20 18	1 13	25 35	1 42	3 48	0 55	11 6	1 31	24 6	0 17	22 19	0 41	22 13	0 50	19 32	0 43	8 7		7 26		19 4			n.a.
T 8	21 4	14 37	2 10	20 47	1 18	25 36	1 42	4 5	0 55	11 4	1 31	24 6	0 17	22 19	0 41	22 13	0 50	19 33	0 43	8 6		7 25		19 4			n.a.
F 9	21 16	16 53	3 5	21 15	1 23	25 35	1 43	4 21	0 54	11 2	1 31	24 7	0 17	22 18	0 41	22 13	0 50	19 33	0 43	8 4		7 24		19 4			n.a.
S 10	21 28	18 24	3 52	21 42	1 28	25 34	1 43	4 38	0 54	11 0	1 30	24 7	0 17	22 18	0 41	22 13	0 50	19 34	0 43	8 1		7 23		19 4			n.a.
S 11	21 39	19 6	4 29	22 7	1 32	25 32	1 44	4 55	0 53	10 57	1 30	24 7	0 17	22 17	0 41	22 13	0 50	19 35	0 43	7 58		7 21		19 4			n.a.
M12	21 50	18 58	4 54	22 32	1 36	25 29	1 44	5 12	0 53	10 55	1 30	24 7	0 17	22 17	0 41	22 14	0 50	19 35	0 43	7 54		7 20		19 4			n.a.
T 13	22 0	18 0	5 6	22 56	1 40	25 26	1 44	5 28	0 52	10 53	1 29	24 8	0 17	22 16	0 41	22 14	0 50	19 36	0 43	7 50		7 19		19 3			n.a.
W14	22 10	16 15	5 5	23 18	1 43	25 22	1 44	5 45	0 52	10 50	1 29	24 8	0 17	22 16	0 41	22 14	0 50	19 36	0 43	7 47		7 18		19 3			n.a.
T 15	22 20	13 48	4 50	23 39	1 47	25 17	1 44	6 2	0 51	10 48	1 29	24 8	0 17	22 15	0 41	22 14	0 50	19 37	0 43	7 44		7 16		19 3			n.a.
F 16	22 29	10 43	4 23	23 59	1 50	25 11	1 44	6 18	0 51	10 45	1 28	24 8	0 18	22 15	0 41	22 15	0 50	19 37	0 42	7 43		7 15		19 3			n.a.
S 17	22 37	7 7	3 42	24 17	1 52	25 4	1 44	6 35	0 50	10 43	1 28	24 9	0 18	22 14	0 41	22 15	0 50	19 38	0 42	7 42		7 14		19 3			n.a.
S 18	22 45	3 7	2 50	24 34	1 54	24 57	1 44	6 51	0 50	10 40	1 28	24 9	0 18	22 14	0 41	22 15	0 50	19 38	0 42	7 42		7 13		19 3			n.a.
M19	22 53	1n 9	1 48	24 49	1 56	24 49	1 43	7 8	0 49	10 37	1 27	24 9	0 18	22 13	0 40	22 15	0 50	19 39	0 42	7 42		7 11		19 3			n.a.
T 20	23 0	5 30	0 38	25 3	1 58	24 40	1 43	7 24	0 49	10 34	1 27	24 9	0 18	22 13	0 40	22 16	0 50	19 39	0 42	7 42		7 10		19 3			n.a.
W21	23 7	9 43	0s36	25 15	1 59	24 30	1 42	7 40	0 48	10 31	1 27	24 10	0 18	22 12	0 40	22 16	0 50	19 40	0 42	7 42		7 9		19 3			n.a.
T 22	23 13	13 31	1 51	25 25	1 59	24 20	1 42	7 57	0 48	10 29	1 26	24 10	0 18	22 12	0 40	22 16	0 50	19 40	0 42	7 42		7 8		19 3			n.a.
F 23	23 19	16 33	3 0	25 33	2 0	24 9	1 41	8 13	0 47	10 25	1 26	24 10	0 18	22 11	0 40	22 16	0 50	19 41	0 42	7 40		7 7		19 3			n.a.
S 24	23 25	18 31	3 58	25 40	1 59	23 57	1 40	8 29	0 47	10 22	1 26	24 10	0 18	22 11	0 40	22 17	0 50	19 41	0 42	7 37		7 5		19 3			n.a.
S 25	23 30	19 10	4 40	25 45	1 58	23 44	1 40	8 45	0 46	10 19	1 26	24 10	0 18	22 10	0 40	22 17	0 50	19 42	0 42	7 34		7 4		19 3			n.a.
M26	23 34	18 24	5 1	25 47	1 57	23 31	1 39	9 1	0 45	10 16	1 25	24 11	0 18	22 10	0 40	22 17	0 50	19 42	0 42	7 30		7 3		19 3			n.a.
T 27	23 38	16 21	5 1	25 48	1 55	23 17	1 38	9 17	0 45	10 13	1 25	24 11	0 18	22 9	0 40	22 17	0 50	19 43	0 41	7 26		7 2		19 3			n.a.
W28	23 42	13 16	4 41	25 46	1 53	23 3	1 37	9 33	0 44	10 10	1 25	24 11	0 18	22 8	0 40	22 18	0 50	19 43	0 41	7 23		7 0		19 2			n.a.
T 29	23 45	9 29	4 3	25 42	1 50	22 48	1 36	9 49	0 44	10 6	1 24	24 11	0 18	22 8	0 40	22 18	0 50	19 44	0 41	7 21		6 59		19 2			n.a.
F 30	23 47	5 19	3 13	25 37	1 46	22 32	1 34	10 5	0 43	10 3	1 24	24 11	0 19	22 7	0 40	22 18	0 50	19 44	0 41	7 20		6 58		19 2			n.a.
S 31	23s50	1n 0	2s13	25s28	1s42	22s15	1s33	10s21	0n42	9s59	1s24	24s12	0s19	22s 7	0s40	22n18	0n50	19s45	0n41	7s19		6s57		19s 2			n.a.

Julian Day Number = 1104119.5, Delta T = 10h59m34s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'10, Lahiri = -27°16'10 Julian Calendar 1 Dec. 1691 BCE == Greg. Calendar 17 Nov. 1691 BCE

The year -1690 astronomical counting style corresponds to year 1691 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

JANUARY 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 41 56	26♐58'22	5♎22	7♑ 5	0♒15	28♎49	8♓13	28♐44	25♑29	25°R15	29♏31	18♎21	17♎19	25♐31	n.a.	S 1
M 2	5 45 52	27°59'00	17°54	8°53	1°28	29°31	8°21	28°51	25°32	25♋13	29°33	18°R21	17°16	25°38	n.a.	M 2
T 3	5 49 49	28°59'36	0♏10	10°41	2°41	0♏13	8°30	28°58	25°35	25°12	29°34	18°21	17°13	25°44	n.a.	T 3
W 4	5 53 45	0♑ 0'11	12°14	12°29	3°54	0°54	8°39	29° 6	25°39	25°10	29°36	18°18	17°10	25°51	n.a.	W 4
T 5	5 57 42	1° 0'44	24°11	14°15	5° 6	1°36	8°48	29°13	25°42	25° 9	29°38	18°13	17° 6	25°58	n.a.	T 5
F 6	6 1 38	2° 1'16	6♐ 3	15°59	6°19	2°18	8°57	29°20	25°45	25° 7	29°40	18° 4	17° 3	26° 4	n.a.	F 6
S 7	6 5 35	3° 1'46	17°54	17°42	7°32	3° 0	9° 7	29°28	25°48	25° 6	29°42	17°53	17° 0	26°11	n.a.	S 7
S 8	6 9 32	4° 2'15	29°45	19°22	8°45	3°42	9°16	29°35	25°51	25° 4	29°43	17°40	16°57	26°18	n.a.	S 8
M 9	6 13 28	5° 2'42	11♑38	21° 0	9°57	4°23	9°26	29°42	25°55	25° 3	29°45	17°25	16°54	26°25	n.a.	M 9
T 10	6 17 25	6° 3'06	23°34	22°34	11°10	5° 5	9°35	29°50	25°58	25° 1	29°47	17°11	16°51	26°31	n.a.	T 10
W11	6 21 21	7° 3'29	5♒34	24° 4	12°22	5°47	9°45	29°57	26° 1	25° 0	29°49	16°58	16°47	26°38	n.a.	W11
T 12	6 25 18	8° 3'50	17°40	25°29	13°35	6°29	9°55	0♑ 4	26° 4	24°58	29°50	16°46	16°44	26°45	n.a.	T 12
F 13	6 29 14	9° 4'08	29°54	26°49	14°47	7°11	10° 5	0°11	26° 8	24°57	29°52	16°38	16°41	26°51	n.a.	F 13
S 14	6 33 11	10° 4'25	12♓19	28° 3	15°59	7°53	10°15	0°19	26°11	24°55	29°54	16°33	16°38	26°58	n.a.	S 14
S 15	6 37 7	11° 4'39	24°59	29°11	17°11	8°35	10°25	0°26	26°14	24°53	29°55	16°31	16°35	27° 5	n.a.	S 15
M16	6 41 4	12° 4'51	7♈56	0♒11	18°23	9°17	10°36	0°33	26°18	24°52	29°57	16°30	16°31	27°12	n.a.	M16
T 17	6 45 1	13° 5'00	21°15	1° 4	19°35	9°58	10°46	0°40	26°21	24°50	29°59	16°30	16°28	27°18	n.a.	T 17
W18	6 48 57	14° 5'08	4♉59	1°48	20°47	10°40	10°57	0°48	26°24	24°49	0♐ 0	16°29	16°25	27°25	n.a.	W18
T 19	6 52 54	15° 5'13	19°10	2°24	21°59	11°22	11° 7	0°55	26°28	24°47	0° 2	16°27	16°22	27°32	n.a.	T 19
F 20	6 56 50	16° 5'16	3♊47	2°51	23°10	12° 4	11°18	1° 2	26°31	24°45	0° 3	16°21	16°19	27°38	n.a.	F 20
S 21	7 0 47	17° 5'16	18°45	3° 9	24°22	12°46	11°29	1° 9	26°34	24°44	0° 5	16°14	16°16	27°45	n.a.	S 21
S 22	7 4 43	18° 5'15	3♋59	3°R17	25°34	13°28	11°40	1°16	26°38	24°42	0° 6	16° 3	16°12	27°52	n.a.	S 22
M23	7 8 40	19° 5'11	19°16	3°17	26°45	14°10	11°51	1°23	26°41	24°40	0° 8	15°52	16° 9	27°59	n.a.	M23
T 24	7 12 36	20° 5'05	4♌26	3° 7	27°56	14°52	12° 2	1°31	26°45	24°39	0° 9	15°41	16° 6	28° 5	n.a.	T 24
W25	7 16 33	21° 4'57	19°19	2°48	29° 7	15°34	12°14	1°38	26°48	24°37	0°11	15°31	16° 3	28°12	n.a.	W25
T 26	7 20 30	22° 4'47	3♍45	2°21	0♓18	16°16	12°25	1°45	26°51	24°35	0°12	15°23	16° 0	28°19	n.a.	T 26
F 27	7 24 26	23° 4'35	17°43	1°47	1°29	16°58	12°36	1°52	26°55	24°34	0°13	15°18	15°57	28°26	n.a.	F 27
S 28	7 28 23	24° 4'21	1♎10	1° 5	2°40	17°40	12°48	1°59	26°58	24°32	0°15	15°16	15°53	28°32	n.a.	S 28
S 29	7 32 19	25° 4'05	14° 9	0°19	3°51	18°22	13° 0	2° 6	27° 2	24°30	0°16	15°D16	15°50	28°39	n.a.	S 29
M30	7 36 16	26° 3'47	26°45	29♑28	5° 2	19° 4	13°11	2°13	27° 5	24°29	0°18	15°R16	15°47	28°46	n.a.	M30
T 31	7 40 12	27♑ 3'28	9♏ 1	28♑33	6♓12	19♏46	13♓23	2♑20	27♑ 8	24♋27	0♐19	15♎15	15♎44	28♐52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s51	3s13	1s 9	25s18	1s37	21s58	1s32	10s36	0n42	9s56	1s24	24s12	0s19	22s 6	0s40	22n19	0n50	19s45	0n41	7s19	6s55	19s 2			n.a.
M 2	23 52	7 11	0 2	25 6	1 31	21 40	1 30	10 52	0 41	9 52	1 23	24 12	0 19	22 6	0 40	22 19	0 50	19 46	0 41	7 20	6 54	19 2			n.a.
T 3	23 53	10 46	1n 2	24 51	1 24	21 22	1 29	11 8	0 40	9 49	1 23	24 12	0 19	22 5	0 40	22 19	0 50	19 46	0 41	7 19	6 53	19 2			n.a.
W 4	23 53	13 51	2 3	24 34	1 17	21 3	1 27	11 23	0 40	9 45	1 23	24 12	0 19	22 4	0 40	22 20	0 51	19 47	0 41	7 18	6 52	19 2			n.a.
T 5	23 53	16 18	2 58	24 15	1 9	20 44	1 25	11 39	0 39	9 41	1 22	24 12	0 19	22 4	0 40	22 20	0 51	19 47	0 41	7 16	6 50	19 2			n.a.
F 6	23 52	18 3	3 44	23 54	1 0	20 23	1 24	11 54	0 38	9 38	1 22	24 12	0 19	22 3	0 40	22 20	0 51	19 48	0 41	7 13	6 49	19 2			n.a.
S 7	23 51	19 0	4 21	23 31	0 50	20 3	1 22	12 9	0 38	9 34	1 22	24 12	0 19	22 2	0 40	22 21	0 51	19 48	0 41	7 9	6 48	19 1			n.a.
S 8	23 50	19 8	4 46	23 7	0 40	19 42	1 20	12 24	0 37	9 30	1 22	24 13	0 19	22 2	0 40	22 21	0 51	19 49	0 40	7 3	6 47	19 1			n.a.
M 9	23 47	18 25	4 58	22 41	0 29	19 20	1 18	12 39	0 36	9 26	1 21	24 13	0 19	22 1	0 40	22 21	0 51	19 49	0 40	6 58	6 46	19 1			n.a.
T 10	23 45	16 54	4 58	22 14	0 17	18 58	1 16	12 54	0 36	9 22	1 21	24 13	0 19	22 1	0 40	22 21	0 51	19 50	0 40	6 52	6 44	19 1			n.a.
W11	23 42	14 38	4 45	21 46	0 4	18 35	1 14	13 9	0 35	9 18	1 21	24 13	0 20	22 0	0 40	22 22	0 51	19 50	0 40	6 47	6 43	19 1			n.a.
T 12	23 38	11 44	4 18	21 17	0n10	18 12	1 11	13 24	0 34	9 14	1 21	24 13	0 20	21 59	0 40	22 22	0 51	19 51	0 40	6 43	6 42	19 1			n.a.
F 13	23 34	8 18	3 40	20 48	0 24	17 48	1 9	13 38	0 33	9 10	1 20	24 13	0 20	21 59	0 40	22 22	0 51	19 51	0 40	6 39	6 41	19 1			n.a.
S 14	23 30	4 27	2 50	20 19	0 38	17 24	1 7	13 53	0 33	9 6	1 20	24 13	0 20	21 58	0 40	22 23	0 51	19 51	0 40	6 37	6 39	19 0			n.a.
S 15	23 25	0 20	1 51	19 50	0 53	16 59	1 4	14 8	0 32	9 2	1 20	24 13	0 20	21 57	0 40	22 23	0 51	19 52	0 40	6 36	6 38	19 0			n.a.
M16	23 20	3n54	0 45	19 22	1 9	16 34	1 2	14 22	0 31	8 57	1 20	24 13	0 20	21 57	0 40	22 23	0 51	19 52	0 40	6 36	6 37	19 0			n.a.
T 17	23 14	8 3	0s25	18 55	1 25	16 9	0 59	14 36	0 30	8 53	1 19	24 13	0 20	21 56	0 40	22 24	0 51	19 53	0 40	6 36	6 36	19 0			n.a.
W18	23 8	11 55	1 36	18 30	1 41	15 43	0 56	14 50	0 29	8 49	1 19	24 13	0 20	21 55	0 40	22 24	0 51	19 53	0 40	6 36	6 34	19 0			n.a.
T 19	23 1	15 14	2 43	18 6	1 56	15 17	0 53	15 4	0 29	8 45	1 19	24 13	0 20	21 55	0 40	22 24	0 51	19 54	0 40	6 35	6 33	19 0			n.a.
F 20	22 54	17 40	3 42	17 45	2 12	14 51	0 51	15 18	0 28	8 40	1 19	24 13	0 20	21 54	0 40	22 25	0 51	19 54	0 40	6 33	6 32	19 0			n.a.
S 21	22 46	18 58	4 27	17 26	2 27	14 24	0 48	15 32	0 27	8 36	1 19	24 13	0 20	21 53	0 40	22 25	0 51	19 54	0 39	6 30	6 31	18 59			n.a.
S 22	22 38	18 56	4 54	17 10	2 42	13 56	0 45	15 46	0 26	8 31	1 18	24 13	0 20	21 53	0 40	22 25	0 51	19 55	0 39	6 26	6 29	18 59			n.a.
M23	22 30	17 32	5 0	16 57	2 56	13 29	0 42	15 59	0 25	8 27	1 18	24 13	0 21	21 52	0 40	22 26	0 51	19 55	0 39	6 21	6 28	18 59			n.a.
T 24	22 21	14 54	4 45	16 46	3 8	13 1	0 39	16 13	0 24	8 22	1 18	24 13	0 21	21 51	0 40	22 26	0 51	19 56	0 39	6 17	6 27	18 59			n.a.
W25	22 12	11 21	4 10	16 39	3 20	12 33	0 36	16 26	0 24	8 18	1 18	24 13	0 21	21 51	0 40	22 26	0 51	19 56	0 39	6 13	6 26	18 59			n.a.
T 26	22 2	7 12	3 21	16 36	3 30	12 4	0 32	16 39	0 23	8 13	1 17	24 13	0 21	21 50	0 40	22 27	0 51	19 56	0 39	6 10	6 24	18 58			n.a.
F 27	21 52	2 48	2 20	16 35	3 39	11 36	0 29	16 52	0 22	8 8	1 17	24 13	0 21	21 49	0 40	22 27	0 51	19 57	0 39	6 8	6 23	18 58			n.a.
S 28	21 42	1s36	1 14	16 37	3 46	11 7	0 26	17 5	0 21	8 4	1 17	24 13	0 21	21 49	0 40	22 27	0 51	19 57	0 39	6 7	6 22	18 58			n.a.
S 29	21 31	5 46	0 6	16 42	3 51	10 38	0 22	17 18	0 20	7 59	1 17	24 13	0 21	21 48	0 40	22 27	0 51	19 57	0 39	6 7	6 21	18 58			n.a.
M30	21 20	9 34	1n 0	16 50	3 54	10 8	0 19	17 31	0 19	7 54	1 17	24 13	0 21	21 47	0 40	22 28	0 51	19 58	0 39	6 7	6 19	18 58			n.a.
T 31	21s 8	12s51	2n 2	17s 0	3n55	9s38	0s15	17s43	0n18	7s49	1s16	24s13	0s21	21s47	0s40	22n28	0n51	19s58	0n39	6s 7	6s18	18s58			n.a.

Julian Day Number = 1104150.5, Delta T = 10h59m32s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'06, Lahiri = -27°16'05 Julian Calendar 1 Jan. 1690 BCE == Greg. Calendar 18 Dec. 1691 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

FEBRUARY 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 44 9	28♉ 3'06	21♏ 5	27°R37	7♓22	20♏28	13♓35	2♉26	27♉12	24°R25	0♐20	15°R13	15♎41	28♐59	n.a.	W 1
T 2	7 48 5	29° 2'43	2♐59	26♉39	8°33	21°10	13°47	2°33	27°15	24♋24	0°21	15♎ 8	15°37	29° 6	n.a.	T 2
F 3	7 52 2	0♒ 2'18	14°50	25°43	9°43	21°52	13°59	2°40	27°19	24°22	0°23	15° 1	15°34	29°13	n.a.	F 3
S 4	7 55 58	1° 1'50	26°39	24°48	10°53	22°34	14°11	2°47	27°22	24°20	0°24	14°51	15°31	29°19	n.a.	S 4
S 5	7 59 55	2° 1'21	8♉32	23°55	12° 3	23°17	14°23	2°54	27°26	24°19	0°25	14°39	15°28	29°26	n.a.	S 5
M 6	8 3 52	3° 0'50	20°28	23° 7	13°13	23°59	14°35	3° 0	27°29	24°17	0°26	14°25	15°25	29°33	n.a.	M 6
T 7	8 7 48	4° 0'16	2♒31	22°22	14°22	24°41	14°48	3° 7	27°32	24°15	0°27	14°12	15°22	29°39	n.a.	T 7
W 8	8 11 45	4°59'40	14°41	21°43	15°32	25°23	15° 0	3°14	27°36	24°14	0°28	14° 0	15°18	29°46	n.a.	W 8
T 9	8 15 41	5°59'02	26°59	21° 9	16°41	26° 5	15°13	3°20	27°39	24°12	0°29	13°49	15°15	29°53	n.a.	T 9
F 10	8 19 38	6°58'22	9♓26	20°40	17°50	26°47	15°25	3°27	27°43	24°11	0°30	13°42	15°12	29°59	n.a.	F 10
S 11	8 23 34	7°57'39	22° 3	20°18	19° 0	27°29	15°38	3°33	27°46	24° 9	0°31	13°37	15° 9	0♑ 6	n.a.	S 11
S 12	8 27 31	8°56'54	4♈52	20° 1	20° 9	28°11	15°50	3°40	27°49	24° 7	0°32	13°35	15° 6	0°13	n.a.	S 12
M13	8 31 27	9°56'06	17°55	19°51	21°17	28°53	16° 3	3°46	27°53	24° 6	0°33	13°D35	15° 2	0°20	n.a.	M13
T 14	8 35 24	10°55'16	1♉15	19°D46	22°26	29°35	16°16	3°52	27°56	24° 4	0°34	13°35	14°59	0°26	n.a.	T 14
W15	8 39 20	11°54'23	14°54	19°47	23°34	0♐17	16°29	3°59	27°59	24° 3	0°35	13°R35	14°56	0°33	n.a.	W15
T 16	8 43 17	12°53'28	28°54	19°53	24°43	0°59	16°42	4° 5	28° 3	24° 1	0°36	13°34	14°53	0°40	n.a.	T 16
F 17	8 47 14	13°52'31	13♊15	20° 5	25°51	1°41	16°55	4°11	28° 6	24° 0	0°37	13°31	14°50	0°47	n.a.	F 17
S 18	8 51 10	14°51'31	27°54	20°22	26°59	2°23	17° 8	4°18	28° 9	23°58	0°38	13°26	14°47	0°53	n.a.	S 18
S 19	8 55 7	15°50'28	12♋46	20°44	28° 7	3° 5	17°21	4°24	28°13	23°56	0°39	13°18	14°43	1° 0	n.a.	S 19
M20	8 59 3	16°49'24	27°44	21°11	29°14	3°47	17°34	4°30	28°16	23°55	0°39	13°10	14°40	1° 7	n.a.	M20
T 21	9 3 0	17°48'17	12♌38	21°42	0♈22	4°29	17°47	4°36	28°19	23°53	0°40	13° 1	14°37	1°13	n.a.	T 21
W22	9 6 56	18°47'07	27°21	22°17	1°29	5°11	18° 0	4°42	28°23	23°52	0°41	12°53	14°34	1°20	n.a.	W22
T 23	9 10 53	19°45'56	11♍43	22°56	2°36	5°53	18°13	4°48	28°26	23°50	0°42	12°48	14°31	1°27	n.a.	T 23
F 24	9 14 49	20°44'42	25°41	23°39	3°43	6°35	18°27	4°54	28°29	23°49	0°42	12°44	14°28	1°34	n.a.	F 24
S 25	9 18 46	21°43'26	9♎12	24°25	4°49	7°17	18°40	4°59	28°32	23°48	0°43	12°D43	14°24	1°40	n.a.	S 25
S 26	9 22 42	22°42'09	22°16	25°15	5°56	7°59	18°53	5° 5	28°35	23°46	0°43	12°43	14°21	1°47	n.a.	S 26
M27	9 26 39	23°40'50	4♏57	26° 8	7° 2	8°41	19° 7	5°11	28°39	23°45	0°44	12°44	14°18	1°54	n.a.	M27
T 28	9 30 36	24♒39'29	17♏18	27♉ 4	8♈ 8	9♐23	19♓20	5♉16	28♉42	23♋43	0♐45	12♎45	14♎15	2♑ 1	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20s56	15s31	2n58	17s12	3n54	9s 9	0s12	17s56	0n17	7s45	1s16	24s13	0s21	21s46	0s40	22n28	0n51	19s58	0n39	6s 6	6s17	18s57		n.a.
T 2	20 44	17 29	3 44	17 26	3 51	8 39	0 8	18 8	0 16	7 40	1 16	24 13	0 21	21 45	0 40	22 29	0 51	19 59	0 39	6 4	6 16	18 57		n.a.
F 3	20 31	18 41	4 21	17 42	3 46	8 8	0 4	18 20	0 15	7 35	1 16	24 13	0 22	21 45	0 40	22 29	0 51	19 59	0 38	6 1	6 14	18 57		n.a.
S 4	20 18	19 5	4 46	17 58	3 40	7 38	0 1	18 32	0 14	7 30	1 16	24 13	0 22	21 44	0 40	22 29	0 51	19 59	0 38	5 57	6 13	18 57		n.a.
S 5	20 5	18 38	4 59	18 15	3 32	7 7	0n 3	18 44	0 13	7 25	1 15	24 13	0 22	21 43	0 40	22 30	0 51	20 0	0 38	5 53	6 12	18 56		n.a.
M 6	19 51	17 22	4 59	18 33	3 22	6 37	0 7	18 55	0 12	7 20	1 15	24 13	0 22	21 43	0 40	22 30	0 51	20 0	0 38	5 47	6 11	18 56		n.a.
T 7	19 37	15 20	4 46	18 51	3 11	6 6	0 11	19 7	0 11	7 15	1 15	24 13	0 22	21 42	0 40	22 30	0 51	20 0	0 38	5 42	6 9	18 56		n.a.
W 8	19 22	12 36	4 20	19 9	2 59	5 35	0 15	19 18	0 10	7 10	1 15	24 13	0 22	21 41	0 40	22 31	0 51	20 1	0 38	5 37	6 8	18 56		n.a.
T 9	19 8	9 18	3 41	19 27	2 47	5 4	0 19	19 29	0 9	7 5	1 15	24 13	0 22	21 41	0 40	22 31	0 51	20 1	0 38	5 33	6 7	18 56		n.a.
F 10	18 53	5 33	2 51	19 45	2 33	4 33	0 23	19 41	0 8	7 0	1 15	24 13	0 22	21 40	0 40	22 31	0 51	20 1	0 38	5 30	6 6	18 55		n.a.
S 11	18 37	1 30	1 52	20 2	2 19	4 2	0 27	19 51	0 7	6 55	1 14	24 13	0 22	21 39	0 40	22 31	0 51	20 2	0 38	5 28	6 4	18 55		n.a.
S 12	18 21	2n40	0 46	20 18	2 5	3 30	0 31	20 2	0 6	6 49	1 14	24 13	0 22	21 39	0 40	22 32	0 51	20 2	0 38	5 27	6 3	18 55		n.a.
M13	18 5	6 48	0s23	20 34	1 51	2 59	0 35	20 13	0 5	6 44	1 14	24 13	0 23	21 38	0 40	22 32	0 51	20 2	0 38	5 27	6 2	18 55		n.a.
T 14	17 49	10 41	1 33	20 49	1 36	2 28	0 39	20 23	0 3	6 39	1 14	24 12	0 23	21 37	0 40	22 32	0 51	20 2	0 38	5 28	6 1	18 54		n.a.
W15	17 32	14 5	2 39	21 3	1 22	1 57	0 43	20 33	0 2	6 34	1 14	24 12	0 23	21 37	0 40	22 33	0 51	20 3	0 38	5 28	5 59	18 54		n.a.
T 16	17 16	16 45	3 37	21 16	1 8	1 25	0 47	20 43	0 1	6 29	1 14	24 12	0 23	21 36	0 40	22 33	0 51	20 3	0 37	5 27	5 58	18 54		n.a.
F 17	16 58	18 27	4 24	21 28	0 54	0 54	0 51	20 53	0 0	6 23	1 14	24 12	0 23	21 35	0 40	22 33	0 51	20 3	0 37	5 26	5 57	18 54		n.a.
S 18	16 41	18 59	4 54	21 39	0 40	0 23	0 56	21 3	0s 1	6 18	1 13	24 12	0 23	21 35	0 40	22 33	0 51	20 4	0 37	5 24	5 56	18 53		n.a.
S 19	16 23	18 12	5 5	21 49	0 27	0n 9	1 0	21 12	0 2	6 13	1 13	24 12	0 23	21 34	0 40	22 34	0 51	20 4	0 37	5 21	5 54	18 53		n.a.
M20	16 5	16 11	4 55	21 57	0 14	0 40	1 4	21 22	0 4	6 7	1 13	24 12	0 23	21 33	0 40	22 34	0 51	20 4	0 37	5 17	5 53	18 53		n.a.
T 21	15 47	13 5	4 25	22 5	0 2	1 11	1 8	21 31	0 5	6 2	1 13	24 12	0 23	21 33	0 40	22 34	0 51	20 4	0 37	5 14	5 52	18 53		n.a.
W22	15 29	9 12	3 38	22 11	0s11	1 42	1 13	21 40	0 6	5 57	1 13	24 12	0 23	21 32	0 40	22 35	0 51	20 4	0 37	5 11	5 51	18 52		n.a.
T 23	15 10	4 52	2 38	22 16	0 22	2 13	1 17	21 49	0 7	5 51	1 13	24 12	0 24	21 31	0 40	22 35	0 51	20 5	0 37	5 9	5 49	18 52		n.a.
F 24	14 51	0 22	1 30	22 19	0 33	2 44	1 21	21 57	0 8	5 46	1 13	24 11	0 24	21 31	0 40	22 35	0 51	20 5	0 37	5 7	5 48	18 52		n.a.
S 25	14 32	4s 0	0 19	22 22	0 44	3 15	1 25	22 6	0 10	5 40	1 12	24 11	0 24	21 30	0 40	22 35	0 51	20 5	0 37	5 7	5 47	18 52		n.a.
S 26	14 12	8 2	0n51	22 22	0 54	3 46	1 30	22 14	0 11	5 35	1 12	24 11	0 24	21 29	0 40	22 36	0 51	20 5	0 37	5 7	5 46	18 51		n.a.
M27	13 53	11 35	1 57	22 22	1 4	4 17	1 34	22 22	0 12	5 29	1 12	24 11	0 24	21 29	0 40	22 36	0 51	20 5	0 37	5 7	5 44	18 51		n.a.
T 28	13s33	14s31	2n55	22s20	1s13	4n47	1n38	22s30	0s13	5s24	1s12	24s11	0s24	21s28	0s40	22n36	0n51	20s 6	0n37	5s 8	5s43	18s51		n.a.

Julian Day Number = 1104181.5, Delta T = 10h59m30s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°23'02, Lahiri = -27°16'01 Julian Calendar 1 Feb. 1690 BCE == Greg. Calendar 18 Jan. 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

MARCH 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 34 32	25♒38'05	29♏25	28♉ 3	9♈14	10♐ 5	19♓34	5♉22	28♉45	23°R42	0♐45	12°R45	14♎12	2♉ 7	n.a.	W 1
T 2	9 38 29	26°36'41	11♐21	29° 5	10°19	10°47	19°47	5°28	28°48	23♋41	0°46	12♎44	14° 8	2°14	n.a.	T 2
F 3	9 42 25	27°35'14	23°13	0♒10	11°24	11°29	20° 1	5°33	28°51	23°39	0°46	12°41	14° 5	2°21	n.a.	F 3
S 4	9 46 22	28°33'46	5♉ 5	1°17	12°29	12°10	20°14	5°38	28°54	23°38	0°46	12°36	14° 2	2°27	n.a.	S 4
S 5	9 50 18	29°32'15	17° 0	2°26	13°34	12°52	20°28	5°44	28°57	23°37	0°47	12°29	13°59	2°34	n.a.	S 5
M 6	9 54 15	0♓30'43	29° 1	3°38	14°39	13°34	20°42	5°49	29° 0	23°35	0°47	12°22	13°56	2°41	n.a.	M 6
T 7	9 58 11	1°29'09	11♒11	4°52	15°43	14°16	20°55	5°54	29° 3	23°34	0°48	12°14	13°53	2°48	n.a.	T 7
W 8	10 2 8	2°27'33	23°32	6° 9	16°47	14°58	21° 9	5°59	29° 6	23°33	0°48	12° 7	13°49	2°54	n.a.	W 8
T 9	10 6 4	3°25'55	6♓ 4	7°27	17°51	15°39	21°23	6° 4	29° 9	23°32	0°48	12° 1	13°46	3° 1	n.a.	T 9
F 10	10 10 1	4°24'15	18°48	8°48	18°55	16°21	21°37	6° 9	29°12	23°31	0°48	11°57	13°43	3° 8	n.a.	F 10
S 11	10 13 58	5°22'33	1♈45	10°10	19°58	17° 3	21°51	6°14	29°15	23°29	0°49	11°55	13°40	3°14	n.a.	S 11
S 12	10 17 54	6°20'49	14°53	11°35	21° 1	17°45	22° 4	6°19	29°18	23°28	0°49	11°D54	13°37	3°21	n.a.	S 12
M13	10 21 51	7°19'02	28°14	13° 1	22° 4	18°26	22°18	6°24	29°21	23°27	0°49	11°55	13°34	3°28	n.a.	M13
T 14	10 25 47	8°17'14	11♉47	14°30	23° 6	19° 8	22°32	6°29	29°24	23°26	0°49	11°57	13°30	3°35	n.a.	T 14
W15	10 29 44	9°15'23	25°33	16° 0	24° 8	19°49	22°46	6°33	29°27	23°25	0°49	11°58	13°27	3°41	n.a.	W15
T 16	10 33 40	10°13'31	9♊33	17°32	25°10	20°31	23° 0	6°38	29°29	23°24	0°49	11°R59	13°24	3°48	n.a.	T 16
F 17	10 37 37	11°11'36	23°45	19° 6	26°11	21°12	23°14	6°42	29°32	23°23	0°49	11°58	13°21	3°55	n.a.	F 17
S 18	10 41 33	12° 9'39	8♋ 7	20°42	27°12	21°54	23°28	6°47	29°35	23°22	0°R49	11°56	13°18	4° 2	n.a.	S 18
S 19	10 45 30	13° 7'40	22°36	22°20	28°13	22°35	23°42	6°51	29°38	23°21	0°49	11°53	13°14	4° 8	n.a.	S 19
M20	10 49 27	14° 5'39	7♌ 7	23°59	29°13	23°17	23°56	6°55	29°40	23°20	0°49	11°49	13°11	4°15	n.a.	M20
T 21	10 53 23	15° 3'36	21°35	25°41	0♉13	23°58	24°10	6°59	29°43	23°19	0°49	11°45	13° 8	4°22	n.a.	T 21
W22	10 57 20	16° 1'30	5♍53	27°24	1°12	24°39	24°24	7° 4	29°45	23°18	0°49	11°42	13° 5	4°28	n.a.	W22
T 23	11 1 16	16°59'24	19°57	29° 9	2°11	25°21	24°38	7° 8	29°48	23°18	0°49	11°40	13° 2	4°35	n.a.	T 23
F 24	11 5 13	17°57'15	3♎42	0♓56	3°10	26° 2	24°52	7°11	29°51	23°17	0°49	11°38	12°59	4°42	n.a.	F 24
S 25	11 9 9	18°55'05	17° 6	2°45	4° 8	26°43	25° 6	7°15	29°53	23°16	0°48	11°D38	12°55	4°49	n.a.	S 25
S 26	11 13 6	19°52'53	0♏ 8	4°35	5° 6	27°24	25°20	7°19	29°56	23°15	0°48	11°39	12°52	4°55	n.a.	S 26
M27	11 17 2	20°50'40	12°49	6°28	6° 3	28° 5	25°34	7°23	29°58	23°14	0°48	11°40	12°49	5° 2	n.a.	M27
T 28	11 20 59	21°48'25	25°13	8°22	7° 0	28°46	25°48	7°26	0♒ 0	23°14	0°48	11°42	12°46	5° 9	n.a.	T 28
W29	11 24 55	22°46'09	7♐22	10°18	7°57	29°27	26° 2	7°30	0° 3	23°13	0°47	11°43	12°43	5°15	n.a.	W29
T 30	11 28 52	23°43'52	19°22	12°16	8°52	0♉ 8	26°16	7°33	0° 5	23°12	0°47	11°R44	12°39	5°22	n.a.	T 30
F 31	11 32 49	24♓41'34	1♉16	14♓16	9♉48	0♉49	26♓30	7♉37	0♒ 7	23♋12	0♐47	11♎44	12♎36	5♉29	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
W 1	13s13	16s45	3n45	22s16	1s22	5n17	1n43	22s37	0s15	5s18	1s12	24s11	0s24	21s27	0s40	22n36	0n51	20s 6	0n36	5s 8	5s42	18s50					n.a.
T 2	12 53	18 13	4 24	22 11	1 30	5 48	1 47	22 45	0 16	5 13	1 12	24 11	0 24	21 27	0 40	22 37	0 51	20 6	0 36	5 7	5 41	18 50					n.a.
F 3	12 32	18 52	4 51	22 5	1 37	6 18	1 51	22 52	0 17	5 7	1 12	24 11	0 24	21 26	0 41	22 37	0 51	20 6	0 36	5 6	5 39	18 50					n.a.
S 4	12 12	18 42	5 6	21 57	1 44	6 47	1 55	22 59	0 19	5 2	1 12	24 10	0 25	21 25	0 41	22 37	0 51	20 6	0 36	5 4	5 38	18 50					n.a.
S 5	11 51	17 42	5 8	21 47	1 51	7 17	2 0	23 6	0 20	4 56	1 11	24 10	0 25	21 25	0 41	22 37	0 51	20 7	0 36	5 1	5 37	18 49					n.a.
M 6	11 30	15 55	4 56	21 36	1 57	7 47	2 4	23 13	0 22	4 51	1 11	24 10	0 25	21 24	0 41	22 37	0 51	20 7	0 36	4 58	5 36	18 49					n.a.
T 7	11 9	13 25	4 30	21 23	2 2	8 16	2 8	23 19	0 23	4 45	1 11	24 10	0 25	21 24	0 41	22 38	0 51	20 7	0 36	4 55	5 34	18 49					n.a.
W 8	10 48	10 17	3 52	21 8	2 7	8 45	2 12	23 26	0 24	4 39	1 11	24 10	0 25	21 23	0 41	22 38	0 51	20 7	0 36	4 52	5 33	18 48					n.a.
T 9	10 26	6 38	3 2	20 52	2 11	9 14	2 17	23 32	0 26	4 34	1 11	24 10	0 25	21 22	0 41	22 38	0 51	20 7	0 36	4 50	5 32	18 48					n.a.
F 10	10 5	2 38	2 2	20 34	2 15	9 42	2 21	23 38	0 27	4 28	1 11	24 10	0 25	21 22	0 41	22 38	0 51	20 7	0 36	4 49	5 31	18 48					n.a.
S 11	9 43	1n33	0 55	20 15	2 19	10 10	2 25	23 43	0 29	4 22	1 11	24 10	0 25	21 21	0 41	22 38	0 51	20 7	0 36	4 48	5 29	18 47					n.a.
S 12	9 21	5 43	0s16	19 54	2 21	10 38	2 29	23 49	0 30	4 17	1 11	24 10	0 25	21 21	0 41	22 39	0 51	20 7	0 36	4 48	5 28	18 47					n.a.
M13	8 59	9 41	1 28	19 31	2 24	11 6	2 33	23 54	0 32	4 11	1 11	24 9	0 26	21 20	0 41	22 39	0 51	20 8	0 36	4 48	5 27	18 47					n.a.
T 14	8 37	13 11	2 36	19 6	2 25	11 34	2 37	23 59	0 33	4 5	1 10	24 9	0 26	21 19	0 41	22 39	0 51	20 8	0 35	4 48	5 26	18 46					n.a.
W15	8 15	16 1	3 36	18 40	2 26	12 1	2 41	24 4	0 35	4 0	1 10	24 9	0 26	21 19	0 41	22 39	0 51	20 8	0 35	4 49	5 24	18 46					n.a.
T 16	7 52	17 57	4 24	18 11	2 27	12 28	2 45	24 9	0 36	3 54	1 10	24 9	0 26	21 18	0 41	22 39	0 51	20 8	0 35	4 49	5 23	18 46					n.a.
F 17	7 30	18 47	4 57	17 42	2 27	12 54	2 49	24 13	0 38	3 48	1 10	24 9	0 26	21 18	0 41	22 40	0 51	20 8	0 35	4 49	5 22	18 45					n.a.
S 18	7 8	18 27	5 12	17 10	2 26	13 20	2 52	24 17	0 39	3 43	1 10	24 9	0 26	21 17	0 41	22 40	0 51	20 8	0 35	4 48	5 21	18 45					n.a.
S 19	6 45	16 54	5 7	16 37	2 25	13 46	2 56	24 21	0 41	3 37	1 10	24 9	0 26	21 17	0 41	22 40	0 51	20 8	0 35	4 47	5 19	18 45					n.a.
M20	6 22	14 17	4 43	16 1	2 23	14 12	3 0	24 25	0 42	3 31	1 10	24 9	0 26	21 16	0 41	22 40	0 51	20 8	0 35	4 46	5 18	18 44					n.a.
T 21	6 0	10 47	4 1	15 24	2 21	14 37	3 3	24 29	0 44	3 26	1 10	24 9	0 27	21 16	0 41	22 40	0 51	20 8	0 35	4 44	5 17	18 44					n.a.
W22	5 37	6 41	3 4	14 46	2 18	15 1	3 7	24 32	0 45	3 20	1 10	24 8	0 27	21 15	0 41	22 40	0 51	20 8	0 35	4 43	5 16	18 44					n.a.
T 23	5 14	2 16	1 56	14 5	2 15	15 26	3 10	24 35	0 47	3 14	1 10	24 8	0 27	21 14	0 41	22 40	0 51	20 8	0 35	4 42	5 14	18 43					n.a.
F 24	4 51	2s10	0 44	13 23	2 11	15 50	3 14	24 38	0 49	3 8	1 10	24 8	0 27	21 14	0 41	22 41	0 51	20 8	0 35	4 41	5 13	18 43					n.a.
S 25	4 28	6 23	0n30	12 39	2 7	16 13	3 17	24 41	0 50	3 3	1 10	24 8	0 27	21 13	0 41	22 41	0 51	20 8	0 35	4 41	5 12	18 43					n.a.
S 26	4 5	10 10	1 40	11 53	2 2	16 36	3 20	24 44	0 52	2 57	1 10	24 8	0 27	21 13	0 41	22 41	0 51	20 8	0 34	4 41	5 11	18 42					n.a.
M27	3 42	13 23	2 43	11 6	1 56	16 59	3 23	24 46	0 54	2 51	1 9	24 8	0 27	21 12	0 41	22 41	0 51	20 8	0 34	4 42	5 9	18 42					n.a.
T 28	3 18	15 55	3 38	10 17	1 50	17 21	3 27	24 48	0 55	2 45	1 9	24 8	0 27	21 12	0 41	22 41	0 51	20 8	0 34	4 43	5 8	18 41					n.a.
W29	2 55	17 40	4 21	9 26	1 43	17 43	3 30	24 50	0 57	2 40	1 9	24 8	0 28	21 11	0 41	22 41	0 51	20 8	0 34	4 43	5 7	18 41					n.a.
T 30	2 32	18 36	4 52	8 34	1 36	18 4	3 32	24 52	0 59	2 34	1 9	24 8	0 28	21 11	0 41	22 41	0 51	20 9	0 34	4 43	5 5	18 41					n.a.
F 31	2s 9	18s43	5n10	7s40	1s29	18n25	3n35	24s54	1s 0	2s28	1s 9	24s 8	0s28	21s10	0s41	22n41	0n51	20s 9	0n34	4s43	5s 4	18s40					n.a.

Julian Day Number = 1104209.5, Delta T = 10h59m28s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'58, Lahiri = -27°15'57 Julian Calendar 1 March 1690 BCE == Greg. Calendar 15 Feb. 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

APRIL 1690 BCE (-1689) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 36 45	25♓39'14	13♑ 9	16♓17	10♉43	1♑30	26♓45	7♑40	0♒10	23°R11	0°R46	11°R43	12♎33	5♑36	n.a.	S 1
S 2	11 40 42	26°36'53	25° 6	18°20	11°37	2°11	26°59	7°43	0°12	23♋11	0♐46	11♎42	12°30	5°42	n.a.	S 2
M 3	11 44 38	27°34'31	7♒11	20°25	12°31	2°52	27°13	7°46	0°14	23°10	0°45	11°40	12°27	5°49	n.a.	M 3
T 4	11 48 35	28°32'07	19°27	22°31	13°24	3°32	27°27	7°49	0°16	23°10	0°45	11°38	12°24	5°56	n.a.	T 4
W 5	11 52 31	29°29'43	1♓57	24°38	14°16	4°13	27°41	7°52	0°18	23° 9	0°44	11°36	12°20	6° 3	n.a.	W 5
T 6	11 56 28	0♈27'17	14°42	26°47	15° 8	4°53	27°55	7°55	0°21	23° 9	0°44	11°35	12°17	6° 9	n.a.	T 6
F 7	12 0 24	1°24'49	27°44	28°56	15°59	5°34	28° 9	7°58	0°23	23° 8	0°43	11°34	12°14	6°16	n.a.	F 7
S 8	12 4 21	2°22'21	11♈ 2	1♈ 6	16°50	6°14	28°23	8° 0	0°25	23° 8	0°43	11°D34	12°11	6°23	n.a.	S 8
S 9	12 8 17	3°19'51	24°34	3°17	17°40	6°54	28°37	8° 3	0°27	23° 8	0°42	11°34	12° 8	6°29	n.a.	S 9
M10	12 12 14	4°17'19	8♉20	5°28	18°29	7°34	28°51	8° 5	0°29	23° 7	0°42	11°34	12° 5	6°36	n.a.	M10
T 11	12 16 11	5°14'47	22°17	7°40	19°17	8°15	29° 5	8° 8	0°30	23° 7	0°41	11°35	12° 1	6°43	n.a.	T 11
W12	12 20 7	6°12'13	6♊22	9°51	20° 5	8°55	29°19	8°10	0°32	23° 7	0°40	11°35	11°58	6°50	n.a.	W12
T 13	12 24 4	7° 9'37	20°33	12° 1	20°52	9°34	29°33	8°12	0°34	23° 7	0°39	11°36	11°55	6°56	n.a.	T 13
F 14	12 28 0	8° 7'00	4♋47	14°11	21°37	10°14	29°47	8°14	0°36	23° 6	0°39	11°R36	11°52	7° 3	n.a.	F 14
S 15	12 31 57	9° 4'22	19° 1	16°19	22°22	10°54	0♈ 1	8°16	0°38	23° 6	0°38	11°36	11°49	7°10	n.a.	S 15
S 16	12 35 53	10° 1'42	3♌14	18°27	23° 7	11°34	0°15	8°18	0°39	23° 6	0°37	11°36	11°45	7°17	n.a.	S 16
M17	12 39 50	10°59'01	17°21	20°33	23°50	12°13	0°29	8°20	0°41	23° 6	0°36	11°36	11°42	7°23	n.a.	M17
T 18	12 43 46	11°56'19	1♍22	22°37	24°32	12°53	0°43	8°22	0°42	23° 6	0°36	11°D36	11°39	7°30	n.a.	T 18
W19	12 47 43	12°53'35	15°12	24°39	25°13	13°32	0°57	8°23	0°44	23°D 6	0°35	11°36	11°36	7°37	n.a.	W19
T 20	12 51 40	13°50'50	28°50	26°39	25°53	14°11	1°11	8°25	0°46	23° 6	0°34	11°36	11°33	7°43	n.a.	T 20
F 21	12 55 36	14°48'04	12♎13	28°37	26°32	14°50	1°25	8°26	0°47	23° 6	0°33	11°R36	11°30	7°50	n.a.	F 21
S 22	12 59 33	15°45'17	25°21	0♉33	27°10	15°30	1°38	8°27	0°48	23° 6	0°32	11°36	11°26	7°57	n.a.	S 22
S 23	13 3 29	16°42'30	8♏12	2°26	27°46	16° 8	1°52	8°29	0°50	23° 6	0°31	11°35	11°23	8° 4	n.a.	S 23
M24	13 7 26	17°39'41	20°47	4°17	28°22	16°47	2° 6	8°30	0°51	23° 6	0°30	11°35	11°20	8°10	n.a.	M24
T 25	13 11 22	18°36'53	3♐ 8	6° 5	28°56	17°26	2°20	8°31	0°52	23° 6	0°29	11°34	11°17	8°17	n.a.	T 25
W26	13 15 19	19°34'03	15°17	7°51	29°29	18° 5	2°34	8°32	0°54	23° 7	0°28	11°33	11°14	8°24	n.a.	W26
T 27	13 19 15	20°31'13	27°17	9°34	0♊ 0	18°43	2°47	8°32	0°55	23° 7	0°27	11°32	11°10	8°30	n.a.	T 27
F 28	13 23 12	21°28'23	9♑11	11°14	0°30	19°21	3° 1	8°33	0°56	23° 7	0°26	11°31	11° 7	8°37	n.a.	F 28
S 29	13 27 9	22°25'32	21° 5	12°52	0°59	20° 0	3°15	8°34	0°57	23° 7	0°25	11°D31	11° 4	8°44	n.a.	S 29
S 30	13 31 5	23♈22'41	3♒ 2	14♉28	1♊26	20♑38	3♈28	8♑34	0♒58	23♋ 8	0♐24	11♎31	11♎ 1	8♑51	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s46	18s 0	5n16	6s45	1s20	18n45	3n38	24s55	1s 2	2s22	1s 9	24s 8	0s28	21s10	0s41	22n41	0n51	20s 8	0n34	4s43	5s 3	18s40		n.a.
S 2	1 22	16 29	5 7	5 48	1 12	19 5	3 40	24 56	1 4	2 17	1 9	24 8	0 28	21 10	0 41	22 41	0 51	20 8	0 34	4 42	5 2	18 40		n.a.
M 3	0 59	14 14	4 45	4 50	1 3	19 24	3 43	24 57	1 6	2 11	1 9	24 8	0 28	21 9	0 41	22 42	0 51	20 8	0 34	4 42	5 0	18 39		n.a.
T 4	0 36	11 19	4 10	3 51	0 54	19 43	3 45	24 58	1 7	2 5	1 9	24 7	0 28	21 9	0 41	22 42	0 51	20 8	0 34	4 41	4 59	18 39		n.a.
W 5	0 12	7 51	3 22	2 50	0 44	20 2	3 47	24 58	1 9	1 59	1 9	24 7	0 28	21 8	0 41	22 42	0 51	20 8	0 34	4 40	4 58	18 38		n.a.
T 6	0n11	3 56	2 23	1 49	0 34	20 19	3 49	24 59	1 11	1 54	1 9	24 7	0 29	21 8	0 41	22 42	0 51	20 8	0 34	4 40	4 57	18 38		n.a.
F 7	0 34	0n14	1 16	0 48	0 24	20 37	3 51	24 59	1 13	1 48	1 9	24 7	0 29	21 7	0 41	22 42	0 51	20 8	0 34	4 39	4 55	18 38		n.a.
S 8	0 58	4 29	0 3	0n15	0 13	20 54	3 53	24 59	1 15	1 42	1 9	24 7	0 29	21 7	0 41	22 42	0 51	20 8	0 33	4 39	4 54	18 37		n.a.
S 9	1 21	8 35	1s11	1 17	0 3	21 10	3 55	24 59	1 17	1 37	1 9	24 7	0 29	21 7	0 42	22 42	0 51	20 8	0 33	4 39	4 53	18 37		n.a.
M10	1 44	12 18	2 23	2 20	0n 8	21 25	3 56	24 58	1 18	1 31	1 9	24 7	0 29	21 6	0 42	22 42	0 51	20 8	0 33	4 40	4 52	18 36		n.a.
T 11	2 7	15 21	3 27	3 22	0 18	21 41	3 58	24 58	1 20	1 25	1 9	24 7	0 29	21 6	0 42	22 42	0 51	20 8	0 33	4 40	4 50	18 36		n.a.
W12	2 30	17 31	4 19	4 25	0 29	21 55	3 59	24 57	1 22	1 19	1 9	24 7	0 29	21 5	0 42	22 42	0 51	20 8	0 33	4 40	4 49	18 35		n.a.
T 13	2 54	18 38	4 56	5 26	0 39	22 9	4 0	24 56	1 24	1 14	1 9	24 7	0 30	21 5	0 42	22 42	0 51	20 8	0 33	4 40	4 48	18 35		n.a.
F 14	3 17	18 34	5 15	6 27	0 49	22 22	4 1	24 55	1 26	1 8	1 9	24 7	0 30	21 5	0 42	22 42	0 51	20 8	0 33	4 40	4 47	18 35		n.a.
S 15	3 40	17 19	5 14	7 26	0 59	22 35	4 1	24 54	1 28	1 2	1 9	24 7	0 30	21 4	0 42	22 42	0 51	20 8	0 33	4 40	4 45	18 34		n.a.
S 16	4 3	15 1	4 55	8 25	1 8	22 47	4 2	24 52	1 30	0 57	1 9	24 7	0 30	21 4	0 42	22 42	0 51	20 8	0 33	4 40	4 44	18 34		n.a.
M17	4 25	11 50	4 17	9 21	1 17	22 59	4 2	24 50	1 32	0 51	1 9	24 7	0 30	21 4	0 42	22 42	0 51	20 8	0 33	4 40	4 43	18 33		n.a.
T 18	4 48	8 0	3 25	10 17	1 26	23 10	4 2	24 49	1 34	0 45	1 9	24 7	0 30	21 3	0 42	22 42	0 51	20 8	0 33	4 40	4 41	18 33		n.a.
W19	5 11	3 46	2 21	11 10	1 33	23 20	4 2	24 46	1 36	0 40	1 9	24 7	0 30	21 3	0 42	22 42	0 51	20 7	0 33	4 40	4 40	18 32		n.a.
T 20	5 34	0s36	1 10	12 2	1 41	23 30	4 2	24 44	1 38	0 34	1 9	24 7	0 31	21 3	0 42	22 42	0 51	20 7	0 32	4 40	4 39	18 32		n.a.
F 21	5 56	4 52	0n 3	12 51	1 47	23 39	4 1	24 42	1 40	0 28	1 9	24 8	0 31	21 2	0 42	22 42	0 51	20 7	0 32	4 40	4 38	18 32		n.a.
S 22	6 19	8 49	1 15	13 39	1 54	23 47	4 0	24 39	1 42	0 23	1 9	24 8	0 31	21 2	0 42	22 42	0 51	20 7	0 32	4 40	4 36	18 31		n.a.
S 23	6 41	12 16	2 22	14 24	1 59	23 55	3 59	24 37	1 44	0 17	1 9	24 8	0 31	21 2	0 42	22 42	0 51	20 7	0 32	4 40	4 35	18 31		n.a.
M24	7 3	15 4	3 20	15 7	2 4	24 2	3 58	24 34	1 46	0 12	1 9	24 8	0 31	21 2	0 42	22 42	0 51	20 7	0 32	4 40	4 34	18 30		n.a.
T 25	7 26	17 7	4 8	15 48	2 8	24 8	3 57	24 31	1 48	0 6	1 9	24 8	0 31	21 1	0 42	22 42	0 51	20 7	0 32	4 39	4 33	18 30		n.a.
W26	7 48	18 21	4 44	16 27	2 11	24 14	3 55	24 28	1 50	0 0	1 9	24 8	0 31	21 1	0 42	22 42	0 51	20 7	0 32	4 39	4 31	18 29		n.a.
T 27	8 10	18 45	5 7	17 3	2 14	24 19	3 53	24 24	1 52	0n 5	1 9	24 8	0 32	21 1	0 42	22 42	0 50	20 7	0 32	4 39	4 30	18 29		n.a.
F 28	8 32	18 18	5 16	17 38	2 16	24 23	3 50	24 21	1 54	0 11	1 9	24 8	0 32	21 1	0 42	22 42	0 50	20 6	0 32	4 38	4 29	18 28		n.a.
S 29	8 53	17 4	5 12	18 10	2 17	24 27	3 48	24 17	1 56	0 16	1 9	24 8	0 32	21 1	0 42	22 42	0 50	20 6	0 32	4 38	4 28	18 28		n.a.
S 30	9n15	15s 4	4n55	18n40	2n17	24n30	3n45	24s13	1s59	0n22	1s 9	24s 8	0s32	21s 0	0s42	22n42	0n50	20s 6	0n32	4s38	4s26	18s27		n.a.

Julian Day Number = 1104240.5, Delta T = 10h59m26s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'54, Lahiri = -27°15'53 Julian Calendar 1 Apr. 1690 BCE == Greg. Calendar 18 March 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

MAY 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 35 2	24♈19'49	15♒ 8	16♉ 0	1♊51	21♋16	3♈42	8♋35	0♒59	23♋ 8	0°R23	11♎32	10♎58	8♋57	n.a.	M 1
T 2	13 38 58	25°16'57	27°25	17°30	2°15	21°53	3°55	8°35	1° 0	23° 9	0♐22	11°33	10°55	9° 4	n.a.	T 2
W 3	13 42 55	26°14'04	10♓ 0	18°57	2°37	22°31	4° 9	8°35	1° 1	23° 9	0°21	11°34	10°51	9°11	n.a.	W 3
T 4	13 46 51	27°11'12	22°53	20°22	2°57	23° 9	4°22	8°35	1° 2	23° 9	0°19	11°35	10°48	9°18	n.a.	T 4
F 5	13 50 48	28° 8'19	6♈ 8	21°43	3°15	23°46	4°36	8°R35	1° 3	23°10	0°18	11°R36	10°45	9°24	n.a.	F 5
S 6	13 54 45	29° 5'25	19°44	23° 2	3°32	24°23	4°49	8°35	1° 4	23°10	0°17	11°36	10°42	9°31	n.a.	S 6
S 7	13 58 41	0♉ 2'32	3♉40	24°18	3°47	25° 0	5° 3	8°35	1° 4	23°11	0°16	11°35	10°39	9°38	n.a.	S 7
M 8	14 2 38	0°59'38	17°52	25°31	3°59	25°37	5°16	8°35	1° 5	23°12	0°15	11°33	10°36	9°44	n.a.	M 8
T 9	14 6 34	1°56'44	2♊17	26°41	4°10	26°13	5°29	8°34	1° 6	23°12	0°13	11°31	10°32	9°51	n.a.	T 9
W10	14 10 31	2°53'49	16°47	27°48	4°19	26°50	5°42	8°34	1° 6	23°13	0°12	11°28	10°29	9°58	n.a.	W10
T 11	14 14 27	3°50'54	1♋19	28°52	4°25	27°26	5°56	8°33	1° 7	23°14	0°11	11°25	10°26	10° 5	n.a.	T 11
F 12	14 18 24	4°47'58	15°45	29°53	4°29	28° 2	6° 9	8°33	1° 7	23°14	0° 9	11°23	10°23	10°11	n.a.	F 12
S 13	14 22 20	5°45'01	0♌ 3	0♊50	4°R31	28°38	6°22	8°32	1° 8	23°15	0° 8	11°D22	10°20	10°18	n.a.	S 13
S 14	14 26 17	6°42'05	14° 9	1°44	4°30	29°14	6°35	8°31	1° 8	23°16	0° 7	11°23	10°16	10°25	n.a.	S 14
M15	14 30 14	7°39'07	28° 2	2°35	4°27	29°49	6°48	8°30	1° 8	23°17	0° 6	11°23	10°13	10°32	n.a.	M15
T 16	14 34 10	8°36'10	11♍41	3°22	4°22	0♒24	7° 1	8°29	1° 9	23°17	0° 4	11°25	10°10	10°38	n.a.	T 16
W17	14 38 7	9°33'12	25° 7	4° 5	4°15	0°59	7°14	8°28	1° 9	23°18	0° 3	11°26	10° 7	10°45	n.a.	W17
T 18	14 42 3	10°30'13	8♎20	4°45	4° 5	1°34	7°27	8°26	1° 9	23°19	0° 2	11°R27	10° 4	10°52	n.a.	T 18
F 19	14 46 0	11°27'15	21°20	5°20	3°52	2° 9	7°39	8°25	1° 9	23°20	0° 0	11°27	10° 1	10°58	n.a.	F 19
S 20	14 49 56	12°24'17	4♏ 8	5°52	3°38	2°43	7°52	8°24	1° 9	23°21	29♏59	11°25	9°57	11° 5	n.a.	S 20
S 21	14 53 53	13°21'18	16°44	6°19	3°20	3°17	8° 5	8°22	1° 9	23°22	29°57	11°22	9°54	11°12	n.a.	S 21
M22	14 57 49	14°18'20	29° 8	6°42	3° 1	3°51	8°17	8°20	1°R 9	23°23	29°56	11°17	9°51	11°19	n.a.	M22
T 23	15 1 46	15°15'22	11♐22	7° 0	2°39	4°25	8°30	8°19	1° 9	23°24	29°55	11°11	9°48	11°25	n.a.	T 23
W24	15 5 43	16°12'24	23°26	7°14	2°16	4°58	8°42	8°17	1° 9	23°25	29°53	11° 5	9°45	11°32	n.a.	W24
T 25	15 9 39	17° 9'27	5♑24	7°24	1°50	5°31	8°55	8°15	1° 9	23°26	29°52	11° 0	9°41	11°39	n.a.	T 25
F 26	15 13 36	18° 6'30	17°17	7°29	1°22	6° 4	9° 7	8°13	1° 9	23°27	29°50	10°55	9°38	11°45	n.a.	F 26
S 27	15 17 32	19° 3'34	29°10	7°R29	0°52	6°37	9°20	8°11	1° 9	23°29	29°49	10°51	9°35	11°52	n.a.	S 27
S 28	15 21 29	20° 0'38	11♒ 5	7°24	0°21	7° 9	9°32	8° 9	1° 8	23°30	29°47	10°49	9°32	11°59	n.a.	S 28
M29	15 25 25	20°57'43	23° 9	7°15	29♉49	7°41	9°44	8° 6	1° 8	23°31	29°46	10°D49	9°29	12° 6	n.a.	M29
T 30	15 29 22	21°54'48	5♓25	7° 1	29°15	8°13	9°56	8° 4	1° 8	23°32	29°45	10°49	9°26	12°12	n.a.	T 30
W31	15 33 19	22♉51'55	17♓58	6♊42	28♉40	8♒44	10♈ 8	8♋ 2	1♒ 7	23♋33	29♏43	10♎51	9♎22	12♋19	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	9n36	12s24	4n24	19n 7	2n17	24n32	3n41	24s10	2s 1	0n27	1s 9	24s 8	0s32	21s 0	0s42	22n41	0n50	20s 6	0n32	4s39	4s25	18s27			n.a.
T 2	9 58	9 9	3 41	19 33	2 16	24 33	3 38	24 6	2 3	0 33	1 9	24 8	0 32	21 0	0 42	22 41	0 50	20 6	0 31	4 39	4 24	18 26			n.a.
W 3	10 19	5 25	2 46	19 56	2 14	24 34	3 34	24 1	2 5	0 38	1 9	24 9	0 32	21 0	0 42	22 41	0 50	20 6	0 31	4 40	4 22	18 26			n.a.
T 4	10 40	1 19	1 42	20 17	2 12	24 34	3 29	23 57	2 7	0 43	1 9	24 9	0 33	21 0	0 42	22 41	0 50	20 5	0 31	4 40	4 21	18 26			n.a.
F 5	11 1	2n56	0 30	20 36	2 9	24 33	3 25	23 53	2 10	0 49	1 9	24 9	0 33	20 59	0 42	22 41	0 50	20 5	0 31	4 40	4 20	18 25			n.a.
S 6	11 21	7 10	0s45	20 54	2 5	24 31	3 20	23 48	2 12	0 54	1 9	24 9	0 33	20 59	0 43	22 41	0 50	20 5	0 31	4 40	4 19	18 25			n.a.
S 7	11 42	11 7	1 59	21 9	2 1	24 29	3 14	23 44	2 14	1 0	1 9	24 9	0 33	20 59	0 43	22 41	0 50	20 5	0 31	4 40	4 17	18 24			n.a.
M 8	12 2	14 30	3 7	21 22	1 55	24 26	3 8	23 39	2 16	1 5	1 9	24 9	0 33	20 59	0 43	22 41	0 50	20 5	0 31	4 39	4 16	18 24			n.a.
T 9	12 22	17 1	4 4	21 33	1 50	24 21	3 2	23 34	2 19	1 10	1 9	24 10	0 33	20 59	0 43	22 41	0 50	20 5	0 31	4 38	4 15	18 23			n.a.
W10	12 42	18 29	4 46	21 43	1 43	24 17	2 56	23 29	2 21	1 16	1 9	24 10	0 33	20 59	0 43	22 41	0 50	20 4	0 31	4 37	4 14	18 23			n.a.
T 11	13 2	18 43	5 9	21 50	1 36	24 11	2 49	23 24	2 23	1 21	1 9	24 10	0 34	20 59	0 43	22 40	0 50	20 4	0 31	4 36	4 12	18 22			n.a.
F 12	13 22	17 45	5 13	21 56	1 28	24 4	2 41	23 19	2 25	1 26	1 9	24 10	0 34	20 59	0 43	22 40	0 50	20 4	0 31	4 35	4 11	18 22			n.a.
S 13	13 41	15 40	4 58	22 0	1 19	23 57	2 33	23 14	2 28	1 31	1 9	24 10	0 34	20 59	0 43	22 40	0 50	20 4	0 30	4 35	4 10	18 21			n.a.
S 14	14 0	12 41	4 25	22 2	1 10	23 49	2 25	23 8	2 30	1 37	1 9	24 10	0 34	20 59	0 43	22 40	0 50	20 4	0 30	4 35	4 9	18 21			n.a.
M15	14 19	9 0	3 36	22 3	1 0	23 39	2 16	23 3	2 32	1 42	1 9	24 11	0 34	20 59	0 43	22 40	0 50	20 4	0 30	4 35	4 7	18 20			n.a.
T 16	14 38	4 55	2 36	22 2	0 49	23 29	2 7	22 58	2 35	1 47	1 9	24 11	0 34	20 59	0 43	22 40	0 50	20 3	0 30	4 36	4 6	18 19			n.a.
W17	14 57	0 38	1 28	21 59	0 38	23 18	1 57	22 52	2 37	1 52	1 9	24 11	0 34	20 59	0 43	22 39	0 50	20 3	0 30	4 36	4 5	18 19			n.a.
T 18	15 15	3s38	0 17	21 55	0 26	23 7	1 47	22 46	2 40	1 57	1 9	24 11	0 35	20 59	0 43	22 39	0 50	20 3	0 30	4 37	4 3	18 18			n.a.
F 19	15 33	7 39	0n54	21 49	0 14	22 54	1 36	22 41	2 42	2 2	1 9	24 12	0 35	20 59	0 43	22 39	0 50	20 3	0 30	4 37	4 2	18 18			n.a.
S 20	15 51	11 15	2 1	21 42	0 1	22 40	1 25	22 35	2 44	2 7	1 9	24 12	0 35	20 59	0 43	22 39	0 50	20 2	0 30	4 36	4 1	18 17			n.a.
S 21	16 8	14 16	3 1	21 34	0s12	22 26	1 14	22 29	2 47	2 12	1 9	24 12	0 35	20 59	0 43	22 39	0 50	20 2	0 30	4 35	4 0	18 17			n.a.
M22	16 26	16 35	3 51	21 24	0 26	22 10	1 2	22 23	2 49	2 18	1 9	24 12	0 35	20 59	0 43	22 39	0 50	20 2	0 30	4 33	3 58	18 16			n.a.
T 23	16 43	18 7	4 30	21 14	0 40	21 54	0 50	22 17	2 52	2 22	1 9	24 13	0 35	20 59	0 43	22 38	0 50	20 2	0 30	4 30	3 57	18 16			n.a.
W24	17 0	18 48	4 56	21 1	0 55	21 37	0 37	22 11	2 54	2 27	1 9	24 13	0 35	20 59	0 43	22 38	0 50	20 2	0 29	4 28	3 56	18 15			n.a.
T 25	17 16	18 38	5 9	20 48	1 10	21 19	0 24	22 6	2 57	2 32	1 9	24 13	0 36	20 59	0 43	22 38	0 50	20 1	0 29	4 26	3 55	18 15			n.a.
F 26	17 33	17 39	5 9	20 34	1 25	21 0	0 11	22 0	2 59	2 37	1 9	24 13	0 36	20 59	0 43	22 38	0 50	20 1	0 29	4 24	3 53	18 14			n.a.
S 27	17 49	15 54	4 55	20 19	1 41	20 41	0s 2	21 54	3 2	2 42	1 9	24 14	0 36	20 59	0 43	22 38	0 50	20 1	0 29	4 22	3 52	18 14			n.a.
S 28	18 5	13 28	4 29	20 3	1 56	20 21	0 16	21 48	3 4	2 47	1 10	24 14	0 36	20 59	0 43	22 37	0 50	20 1	0 29	4 22	3 51	18 13			n.a.
M29	18 20	10 26	3 50	19 46	2 12	20 0	0 30	21 41	3 7	2 52	1 10	24 14	0 36	20 59	0 43	22 37	0 50	20 1	0 29	4 21	3 49	18 12			n.a.
T 30	18 35	6 55	3 0	19 29	2 27	19 39	0 44	21 35	3 9	2 57	1 10	24 14	0 36	20 59	0 43	22 37	0 50	20 0	0 29	4 22	3 48	18 12			n.a.
W31	18n50	2s59	2n 1	19n11	2s42	19n18	0s58	21s29	3s12	3n 1	1s10	24s15	0s36	20s59	0s44	22n37	0n50	20s 0	0n29	4s22	3s47	18s11			n.a.

Julian Day Number = 1104270.5, Delta T = 10h59m24s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'50, Lahiri = -27°15'49 Julian Calendar 1 May 1690 BCE == Greg. Calendar 17 Apr. 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

JUNE 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 37 15	23♉49'01	0♈53	6°R20	28°R 4	9♒16	10♈20	7°R59	1°R 7	23♋35	29°R42	10♎52	9♎19	12♑26	n.a.	T 1
F 2	15 41 12	24°46'09	14°13	5♊53	27♉27	9°46	10°32	7♑57	1♒ 6	23°36	29♏40	10°R52	9°16	12°33	n.a.	F 2
S 3	15 45 8	25°43'17	27°59	5°23	26°50	10°17	10°44	7°54	1° 6	23°37	29°39	10°51	9°13	12°39	n.a.	S 3
S 4	15 49 5	26°40'26	12♉10	4°49	26°13	10°47	10°56	7°51	1° 5	23°39	29°37	10°48	9°10	12°46	n.a.	S 4
M 5	15 53 1	27°37'36	26°43	4°13	25°36	11°17	11° 7	7°48	1° 5	23°40	29°36	10°43	9° 7	12°53	n.a.	M 5
T 6	15 56 58	28°34'46	11♊32	3°35	24°59	11°46	11°19	7°45	1° 4	23°42	29°34	10°36	9° 3	12°59	n.a.	T 6
W 7	16 0 55	29°31'57	26°28	2°55	24°23	12°15	11°30	7°42	1° 3	23°43	29°33	10°29	9° 0	13° 6	n.a.	W 7
T 8	16 4 51	0♊29'09	11♋23	2°14	23°47	12°44	11°42	7°39	1° 2	23°45	29°31	10°22	8°57	13°13	n.a.	T 8
F 9	16 8 48	1°26'21	26° 9	1°33	23°12	13°12	11°53	7°36	1° 2	23°46	29°30	10°16	8°54	13°20	n.a.	F 9
S 10	16 12 44	2°23'34	10♌38	0°52	22°39	13°40	12° 4	7°33	1° 1	23°48	29°28	10°12	8°51	13°26	n.a.	S 10
S 11	16 16 41	3°20'47	24°48	0°13	22° 7	14° 8	12°15	7°29	1° 0	23°49	29°27	10°10	8°47	13°33	n.a.	S 11
M12	16 20 37	4°18'00	8♍37	29♉35	21°36	14°35	12°26	7°26	0°59	23°51	29°26	10°D10	8°44	13°40	n.a.	M12
T 13	16 24 34	5°15'14	22° 6	29° 0	21° 7	15° 1	12°37	7°23	0°58	23°52	29°24	10°11	8°41	13°47	n.a.	T 13
W14	16 28 30	6°12'29	5♎16	28°29	20°40	15°28	12°48	7°19	0°57	23°54	29°23	10°R12	8°38	13°53	n.a.	W14
T 15	16 32 27	7° 9'44	18°11	28° 1	20°15	15°53	12°59	7°16	0°56	23°56	29°21	10°11	8°35	14° 0	n.a.	T 15
F 16	16 36 24	8° 7'00	0♏52	27°38	19°51	16°19	13°10	7°12	0°54	23°57	29°20	10° 9	8°32	14° 7	n.a.	F 16
S 17	16 40 20	9° 4'17	13°22	27°20	19°30	16°44	13°20	7° 8	0°53	23°59	29°18	10° 5	8°28	14°13	n.a.	S 17
S 18	16 44 17	10° 1'35	25°43	27° 7	19°12	17° 8	13°31	7° 4	0°52	24° 1	29°17	9°58	8°25	14°20	n.a.	S 18
M19	16 48 13	10°58'53	7♐55	26°59	18°55	17°32	13°41	7° 1	0°51	24° 2	29°15	9°49	8°22	14°27	n.a.	M19
T 20	16 52 10	11°56'13	20° 0	26°D58	18°41	17°56	13°52	6°57	0°49	24° 4	29°14	9°38	8°19	14°34	n.a.	T 20
W21	16 56 6	12°53'34	1♑59	27° 3	18°29	18°19	14° 2	6°53	0°48	24° 6	29°13	9°26	8°16	14°40	n.a.	W21
T 22	17 0 3	13°50'57	13°53	27°15	18°20	18°41	14°12	6°49	0°47	24° 8	29°11	9°15	8°13	14°47	n.a.	T 22
F 23	17 3 59	14°48'20	25°45	27°32	18°13	19° 3	14°22	6°45	0°45	24° 9	29°10	9° 5	8° 9	14°54	n.a.	F 23
S 24	17 7 56	15°45'45	7♒36	27°57	18° 9	19°25	14°32	6°41	0°44	24°11	29° 8	8°57	8° 6	15° 0	n.a.	S 24
S 25	17 11 53	16°43'11	19°31	28°28	18°D 7	19°45	14°41	6°37	0°42	24°13	29° 7	8°51	8° 3	15° 7	n.a.	S 25
M26	17 15 49	17°40'39	1♓33	29° 5	18° 7	20° 6	14°51	6°33	0°41	24°15	29° 6	8°48	8° 0	15°14	n.a.	M26
T 27	17 19 46	18°38'09	13°46	29°49	18° 9	20°25	15° 1	6°28	0°39	24°17	29° 4	8°D46	7°57	15°21	n.a.	T 27
W28	17 23 42	19°35'39	26°16	0♊39	18°14	20°45	15°10	6°24	0°38	24°19	29° 3	8°46	7°53	15°27	n.a.	W28
T 29	17 27 39	20°33'12	9♈ 7	1°36	18°21	21° 3	15°19	6°20	0°36	24°21	29° 1	8°R47	7°50	15°34	n.a.	T 29
F 30	17 31 35	21♊30'46	22♈24	2♊38	18♉30	21♒21	15♈29	6♑15	0♒34	24♋22	29♏ 0	8♎46	7♎47	15♑41	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n 5	1n11	0n54	18n53	2s56	18n56	1s12	21s23	3s14	3n 6	1s10	24s15	0s37	21s 0	0s44	22n36	0n50	20s 0	0n29	4s23	3s46	18s11		n.a.
F 2	19 19	5 26	0s18	18 34	3 10	18 34	1 26	21 17	3 17	3 11	1 10	24 15	0 37	21 0	0 44	22 36	0 50	20 0	0 29	4 23	3 44	18 10		n.a.
S 3	19 33	9 32	1 31	18 16	3 24	18 12	1 40	21 11	3 19	3 15	1 10	24 16	0 37	21 0	0 44	22 36	0 50	19 59	0 28	4 22	3 43	18 10		n.a.
S 4	19 47	13 14	2 41	17 57	3 36	17 50	1 54	21 5	3 22	3 20	1 10	24 16	0 37	21 0	0 44	22 36	0 50	19 59	0 28	4 21	3 42	18 9		n.a.
M 5	20 0	16 12	3 42	17 40	3 48	17 28	2 7	20 59	3 25	3 24	1 10	24 16	0 37	21 0	0 44	22 35	0 50	19 59	0 28	4 19	3 41	18 8		n.a.
T 6	20 13	18 9	4 29	17 22	3 58	17 6	2 20	20 53	3 27	3 29	1 10	24 17	0 37	21 0	0 44	22 35	0 50	19 59	0 28	4 16	3 39	18 8		n.a.
W 7	20 26	18 53	4 58	17 6	4 7	16 44	2 33	20 48	3 30	3 34	1 10	24 17	0 37	21 1	0 44	22 35	0 50	19 59	0 28	4 14	3 38	18 7		n.a.
T 8	20 38	18 18	5 7	16 50	4 15	16 23	2 46	20 42	3 33	3 38	1 10	24 17	0 38	21 1	0 44	22 35	0 50	19 58	0 28	4 11	3 37	18 7		n.a.
F 9	20 50	16 29	4 55	16 36	4 21	16 3	2 58	20 36	3 35	3 42	1 10	24 18	0 38	21 1	0 44	22 34	0 50	19 58	0 28	4 8	3 35	18 6		n.a.
S 10	21 2	13 39	4 25	16 23	4 25	15 43	3 10	20 30	3 38	3 47	1 10	24 18	0 38	21 1	0 44	22 34	0 50	19 58	0 28	4 7	3 34	18 6		n.a.
S 11	21 13	10 4	3 39	16 12	4 28	15 24	3 22	20 25	3 41	3 51	1 11	24 18	0 38	21 2	0 44	22 34	0 50	19 58	0 28	4 6	3 33	18 5		n.a.
M12	21 24	6 0	2 41	16 3	4 30	15 5	3 32	20 19	3 43	3 55	1 11	24 19	0 38	21 2	0 44	22 33	0 50	19 57	0 28	4 6	3 32	18 4		n.a.
T 13	21 35	1 44	1 36	15 56	4 29	14 48	3 43	20 13	3 46	4 0	1 11	24 19	0 38	21 2	0 44	22 33	0 50	19 57	0 27	4 6	3 30	18 4		n.a.
W14	21 45	2s32	0 26	15 51	4 27	14 31	3 52	20 8	3 49	4 4	1 11	24 19	0 38	21 2	0 44	22 33	0 50	19 57	0 27	4 7	3 29	18 3		n.a.
T 15	21 55	6 36	0n43	15 49	4 24	14 16	4 2	20 3	3 51	4 8	1 11	24 20	0 38	21 3	0 44	22 33	0 50	19 57	0 27	4 7	3 28	18 3		n.a.
F 16	22 4	10 18	1 48	15 48	4 19	14 1	4 10	19 57	3 54	4 12	1 11	24 20	0 39	21 3	0 44	22 32	0 50	19 57	0 27	4 6	3 27	18 2		n.a.
S 17	22 13	13 29	2 48	15 51	4 12	13 48	4 18	19 52	3 57	4 16	1 11	24 20	0 39	21 3	0 44	22 32	0 50	19 56	0 27	4 4	3 25	18 1		n.a.
S 18	22 22	16 1	3 38	15 55	4 4	13 35	4 26	19 47	4 0	4 20	1 11	24 21	0 39	21 3	0 44	22 32	0 50	19 56	0 27	4 1	3 24	18 1		n.a.
M19	22 31	17 48	4 18	16 2	3 55	13 24	4 33	19 42	4 2	4 24	1 11	24 21	0 39	21 4	0 44	22 31	0 50	19 56	0 27	3 58	3 23	18 0		n.a.
T 20	22 39	18 46	4 45	16 12	3 45	13 14	4 39	19 37	4 5	4 28	1 11	24 21	0 39	21 4	0 44	22 31	0 50	19 56	0 27	3 53	3 21	17 59		n.a.
W21	22 46	18 52	5 0	16 24	3 34	13 5	4 45	19 33	4 8	4 32	1 12	24 22	0 39	21 4	0 44	22 31	0 50	19 55	0 27	3 49	3 20	17 59		n.a.
T 22	22 53	18 9	5 2	16 38	3 22	12 58	4 50	19 28	4 11	4 36	1 12	24 22	0 39	21 5	0 44	22 30	0 50	19 55	0 27	3 44	3 19	17 58		n.a.
F 23	23 0	16 38	4 50	16 55	3 9	12 51	4 55	19 24	4 14	4 40	1 12	24 22	0 39	21 5	0 44	22 30	0 50	19 55	0 26	3 40	3 18	17 58		n.a.
S 24	23 7	14 26	4 26	17 13	2 56	12 46	5 0	19 19	4 16	4 44	1 12	24 23	0 40	21 5	0 44	22 30	0 50	19 55	0 26	3 37	3 16	17 57		n.a.
S 25	23 13	11 36	3 50	17 34	2 42	12 42	5 3	19 15	4 19	4 47	1 12	24 23	0 40	21 6	0 44	22 29	0 50	19 55	0 26	3 34	3 15	17 56		n.a.
M26	23 18	8 16	3 4	17 56	2 27	12 38	5 7	19 11	4 22	4 51	1 12	24 23	0 40	21 6	0 44	22 29	0 50	19 54	0 26	3 33	3 14	17 56		n.a.
T 27	23 23	4 31	2 9	18 20	2 13	12 36	5 9	19 7	4 25	4 55	1 12	24 24	0 40	21 7	0 44	22 29	0 50	19 54	0 26	3 32	3 13	17 55		n.a.
W28	23 28	0 30	1 6	18 45	1 58	12 35	5 12	19 4	4 27	4 58	1 12	24 24	0 40	21 7	0 44	22 28	0 50	19 54	0 26	3 32	3 11	17 54		n.a.
T 29	23 33	3n39	0s 2	19 11	1 43	12 35	5 14	19 0	4 30	5 2	1 12	24 24	0 40	21 7	0 44	22 28	0 50	19 54	0 26	3 33	3 10	17 54		n.a.
F 30	23n37	7n46	1s12	19n38	1s28	12n36	5s15	18s57	4s33	5n 5	1s13	24s25	0s40	21s 8	0s45	22n28	0n50	19s54	0n26	3s32	3s 9	17s53		n.a.

Julian Day Number = 1104301.5, Delta T = 10h59m22s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'45, Lahiri = -27°15'45 Julian Calendar 1 June 1690 BCE == Greg. Calendar 18 May 1690 BCE

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

JULY 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 35 32	22♊28'22	6♉ 9	3♊47	18♉42	21♒38	15♈38	6°R11	0°R33	24♋24	28°R59	8°R43	7♎44	15♏48	n.a.	S 1
S 2	17 39 29	23°25'59	20°24	5° 1	18°55	21°55	15°47	6♏ 7	0♒31	24°26	28♏58	8♎39	7°41	15°54	n.a.	S 2
M 3	17 43 25	24°23'39	5♊ 5	6°21	19°10	22°11	15°55	6° 2	0°29	24°28	28°56	8°31	7°38	16° 1	n.a.	M 3
T 4	17 47 22	25°21'20	20° 7	7°46	19°28	22°26	16° 4	5°58	0°27	24°30	28°55	8°21	7°34	16° 8	n.a.	T 4
W 5	17 51 18	26°19'02	5♋20	9°16	19°47	22°41	16°13	5°53	0°26	24°32	28°54	8°11	7°31	16°14	n.a.	W 5
T 6	17 55 15	27°16'46	20°34	10°50	20° 8	22°55	16°21	5°49	0°24	24°34	28°52	8° 0	7°28	16°21	n.a.	T 6
F 7	17 59 11	28°14'31	5♌38	12°29	20°30	23° 8	16°30	5°44	0°22	24°36	28°51	7°52	7°25	16°28	n.a.	F 7
S 8	18 3 8	29°12'18	20°23	14°11	20°55	23°20	16°38	5°40	0°20	24°38	28°50	7°45	7°22	16°35	n.a.	S 8
S 9	18 7 4	0♋10'06	4♍44	15°57	21°21	23°32	16°46	5°35	0°18	24°40	28°49	7°41	7°19	16°41	n.a.	S 9
M10	18 11 1	1° 7'55	18°38	17°46	21°48	23°43	16°54	5°31	0°16	24°43	28°48	7°39	7°15	16°48	n.a.	M10
T 11	18 14 58	2° 5'46	2♎ 7	19°38	22°17	23°53	17° 2	5°26	0°14	24°45	28°46	7°39	7°12	16°55	n.a.	T 11
W12	18 18 54	3° 3'38	15°12	21°32	22°48	24° 3	17° 9	5°22	0°12	24°47	28°45	7°39	7° 9	17° 2	n.a.	W12
T 13	18 22 51	4° 1'31	27°58	23°27	23°20	24°11	17°17	5°17	0°10	24°49	28°44	7°38	7° 6	17° 8	n.a.	T 13
F 14	18 26 47	4°59'26	10♏28	25°24	23°53	24°19	17°24	5°12	0° 8	24°51	28°43	7°35	7° 3	17°15	n.a.	F 14
S 15	18 30 44	5°57'22	22°46	27°22	24°28	24°26	17°31	5° 8	0° 6	24°53	28°42	7°29	6°59	17°22	n.a.	S 15
S 16	18 34 40	6°55'21	4♐54	29°20	25° 4	24°33	17°38	5° 3	0° 3	24°55	28°41	7°20	6°56	17°28	n.a.	S 16
M17	18 38 37	7°53'20	16°57	1♋19	25°41	24°38	17°45	4°59	0° 1	24°57	28°40	7° 9	6°53	17°35	n.a.	M17
T 18	18 42 33	8°51'22	28°54	3°18	26°20	24°43	17°52	4°54	29♏59	25° 0	28°39	6°56	6°50	17°42	n.a.	T 18
W19	18 46 30	9°49'25	10♏49	5°16	26°59	24°47	17°59	4°50	29°57	25° 2	28°38	6°42	6°47	17°49	n.a.	W19
T 20	18 50 27	10°47'30	22°41	7°15	27°40	24°49	18° 5	4°45	29°55	25° 4	28°37	6°28	6°44	17°55	n.a.	T 20
F 21	18 54 23	11°45'37	4♒33	9°13	28°21	24°52	18°11	4°41	29°52	25° 6	28°36	6°15	6°40	18° 2	n.a.	F 21
S 22	18 58 20	12°43'46	16°27	11°10	29° 4	24°53	18°18	4°36	29°50	25° 8	28°35	6° 5	6°37	18° 9	n.a.	S 22
S 23	19 2 16	13°41'57	28°24	13° 6	29°48	24°R53	18°24	4°32	29°48	25°10	28°34	5°58	6°34	18°15	n.a.	S 23
M24	19 6 13	14°40'11	10♓27	15° 2	0♊32	24°53	18°29	4°27	29°46	25°13	28°33	5°53	6°31	18°22	n.a.	M24
T 25	19 10 9	15°38'26	22°41	16°56	1°18	24°51	18°35	4°23	29°43	25°15	28°32	5°51	6°28	18°29	n.a.	T 25
W26	19 14 6	16°36'43	5♈ 9	18°50	2° 5	24°49	18°41	4°18	29°41	25°17	28°31	5°D50	6°25	18°36	n.a.	W26
T 27	19 18 2	17°35'03	17°57	20°42	2°52	24°46	18°46	4°14	29°39	25°19	28°30	5°R50	6°21	18°42	n.a.	T 27
F 28	19 21 59	18°33'25	1♉ 8	22°34	3°40	24°42	18°51	4° 9	29°36	25°21	28°29	5°50	6°18	18°49	n.a.	F 28
S 29	19 25 55	19°31'50	14°46	24°24	4°29	24°37	18°56	4° 5	29°34	25°24	28°29	5°48	6°15	18°56	n.a.	S 29
S 30	19 29 52	20°30'16	28°53	26°14	5°19	24°31	19° 1	4° 1	29°32	25°26	28°28	5°43	6°12	19° 3	n.a.	S 30
M31	19 33 49	21♋28'46	13♊28	28♋ 2	6♊ 9	24♒24	19♈ 6	3♏56	29♏29	25♋28	28♏27	5♎36	6♎ 9	19♏ 9	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n40	11n38	2s20	20n 6	1s13	12n38	5s17	18s54	4s36	5n 9	1s13	24s25	0s40	21s 8	0s45	22n27	0n50	19s53	0n26	3s31	3s 7	17s52		n.a.
S 2	23 43	14 57	3 21	20 35	0 58	12 41	5 18	18 51	4 39	5 12	1 13	24 25	0 41	21 9	0 45	22 27	0 50	19 53	0 26	3 29	3 6	17 52		n.a.
M 3	23 46	17 25	4 12	21 3	0 44	12 45	5 18	18 48	4 41	5 16	1 13	24 25	0 41	21 9	0 45	22 27	0 50	19 53	0 25	3 26	3 5	17 51		n.a.
T 4	23 48	18 45	4 46	21 31	0 30	12 49	5 18	18 45	4 44	5 19	1 13	24 26	0 41	21 9	0 45	22 26	0 50	19 53	0 25	3 22	3 4	17 51		n.a.
W 5	23 50	18 46	5 1	21 59	0 16	12 55	5 18	18 43	4 47	5 22	1 13	24 26	0 41	21 10	0 45	22 26	0 50	19 53	0 25	3 18	3 2	17 50		n.a.
T 6	23 52	17 26	4 54	22 26	0 3	13 1	5 17	18 41	4 50	5 25	1 13	24 26	0 41	21 10	0 45	22 26	0 50	19 52	0 25	3 14	3 1	17 49		n.a.
F 7	23 53	14 54	4 27	22 53	0n10	13 7	5 17	18 39	4 52	5 28	1 13	24 27	0 41	21 11	0 45	22 25	0 50	19 52	0 25	3 10	3 0	17 49		n.a.
S 8	23 53	11 27	3 42	23 17	0 22	13 15	5 16	18 37	4 55	5 32	1 14	24 27	0 41	21 11	0 45	22 25	0 50	19 52	0 25	3 8	2 58	17 48		n.a.
S 9	23 53	7 24	2 45	23 41	0 33	13 23	5 14	18 36	4 58	5 35	1 14	24 27	0 41	21 12	0 45	22 24	0 50	19 52	0 25	3 6	2 57	17 47		n.a.
M10	23 53	3 4	1 39	24 2	0 43	13 31	5 13	18 34	5 0	5 37	1 14	24 28	0 41	21 12	0 45	22 24	0 50	19 52	0 25	3 6	2 56	17 47		n.a.
T 11	23 52	1s18	0 29	24 21	0 53	13 41	5 11	18 33	5 3	5 40	1 14	24 28	0 41	21 13	0 45	22 24	0 50	19 52	0 25	3 5	2 55	17 46		n.a.
W12	23 51	5 29	0n40	24 39	1 2	13 50	5 9	18 33	5 6	5 43	1 14	24 28	0 42	21 13	0 45	22 23	0 50	19 51	0 25	3 5	2 53	17 45		n.a.
T 13	23 50	9 19	1 45	24 54	1 10	14 0	5 7	18 32	5 8	5 46	1 14	24 28	0 42	21 13	0 45	22 23	0 50	19 51	0 24	3 5	2 52	17 44		n.a.
F 14	23 48	12 39	2 44	25 6	1 18	14 11	5 4	18 32	5 11	5 49	1 14	24 29	0 42	21 14	0 45	22 22	0 50	19 51	0 24	3 4	2 51	17 44		n.a.
S 15	23 45	15 22	3 34	25 16	1 24	14 22	5 2	18 32	5 13	5 51	1 15	24 29	0 42	21 14	0 45	22 22	0 50	19 51	0 24	3 1	2 50	17 43		n.a.
S 16	23 42	17 21	4 14	25 23	1 30	14 33	4 59	18 32	5 16	5 54	1 15	24 29	0 42	21 15	0 45	22 22	0 50	19 51	0 24	2 58	2 48	17 42		n.a.
M17	23 39	18 34	4 42	25 28	1 35	14 45	4 56	18 32	5 18	5 57	1 15	24 30	0 42	21 15	0 45	22 21	0 50	19 51	0 24	2 53	2 47	17 42		n.a.
T 18	23 35	18 56	4 57	25 29	1 39	14 57	4 53	18 33	5 21	5 59	1 15	24 30	0 42	21 16	0 45	22 21	0 50	19 51	0 24	2 48	2 46	17 41		n.a.
W19	23 31	18 29	4 59	25 29	1 42	15 9	4 50	18 34	5 23	6 1	1 15	24 30	0 42	21 16	0 45	22 21	0 50	19 50	0 24	2 42	2 44	17 40		n.a.
T 20	23 26	17 12	4 48	25 26	1 45	15 22	4 46	18 35	5 25	6 4	1 15	24 30	0 42	21 17	0 45	22 20	0 50	19 50	0 24	2 37	2 43	17 40		n.a.
F 21	23 21	15 12	4 24	25 20	1 46	15 35	4 43	18 36	5 28	6 6	1 15	24 31	0 42	21 17	0 45	22 20	0 50	19 50	0 24	2 32	2 42	17 39		n.a.
S 22	23 16	12 33	3 49	25 12	1 48	15 48	4 39	18 38	5 30	6 8	1 16	24 31	0 42	21 18	0 45	22 19	0 50	19 50	0 23	2 28	2 41	17 38		n.a.
S 23	23 10	9 23	3 4	25 1	1 48	16 1	4 35	18 40	5 32	6 11	1 16	24 31	0 43	21 18	0 45	22 19	0 50	19 50	0 23	2 25	2 39	17 37		n.a.
M24	23 4	5 47	2 10	24 49	1 48	16 14	4 31	18 42	5 34	6 13	1 16	24 31	0 43	21 19	0 45	22 19	0 50	19 50	0 23	2 23	2 38	17 37		n.a.
T 25	22 57	1 54	1 9	24 34	1 47	16 27	4 27	18 44	5 36	6 15	1 16	24 32	0 43	21 19	0 45	22 18	0 50	19 50	0 23	2 22	2 37	17 36		n.a.
W26	22 50	2n 8	0 4	24 17	1 46	16 40	4 23	18 47	5 38	6 17	1 16	24 32	0 43	21 20	0 45	22 18	0 50	19 50	0 23	2 22	2 35	17 35		n.a.
T 27	22 42	6 11	1s 4	23 59	1 44	16 54	4 19	18 50	5 40	6 19	1 16	24 32	0 43	21 20	0 45	22 17	0 50	19 50	0 23	2 22	2 34	17 35		n.a.
F 28	22 35	10 4	2 10	23 38	1 42	17 7	4 14	18 53	5 42	6 20	1 17	24 32	0 43	21 21	0 45	22 17	0 50	19 50	0 23	2 21	2 33	17 34		n.a.
S 29	22 26	13 32	3 11	23 16	1 40	17 21	4 10	18 56	5 43	6 22	1 17	24 32	0 43	21 21	0 45	22 16	0 50	19 49	0 23	2 21	2 32	17 33		n.a.
S 30	22 17	16 21	4 2	22 53	1 37	17 34	4 5	19 0	5 45	6 24	1 17	24 33	0 43	21 22	0 45	22 16	0 50	19 49	0 23	2 19	2 30	17 32		n.a.
M31	22n 8	18n13	4s40	22n28	1n33	17n47	4s 1	19s 3	5s47	6n26	1s17	24s33	0s43	21s23	0s45	22n16	0n50	19s49	0n23	2s16	2s29	17s32		n.a.

Julian Day Number = 1104331.5, Delta T = 10h59m21s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'41, Lahiri = -27°15'41 Julian Calendar 1 July 1690 BCE == Greg. Calendar 17 June 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

AUGUST 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 37 45	22♋27'17	28♊27	29♋49	7♊ 0	24°R17	19♈10	3°R52	29°R27	25♋30	28°R26	5°R27	6♎ 5	19♑16	n.a.	T 1
W 2	19 41 42	23°25'51	13♋42	1♌35	7°52	24♒ 9	19°14	3♑48	29♑24	25°33	28♏26	5♎17	6° 2	19°23	n.a.	W 2
T 3	19 45 38	24°24'26	29° 2	3°19	8°45	23°59	19°19	3°44	29°22	25°35	28°25	5° 7	5°59	19°29	n.a.	T 3
F 4	19 49 35	25°23'04	14♌15	5° 3	9°38	23°49	19°23	3°40	29°20	25°37	28°24	4°58	5°56	19°36	n.a.	F 4
S 5	19 53 31	26°21'44	29°11	6°46	10°32	23°38	19°26	3°36	29°17	25°39	28°24	4°51	5°53	19°43	n.a.	S 5
S 6	19 57 28	27°20'25	13♍43	8°27	11°26	23°27	19°30	3°32	29°15	25°41	28°23	4°47	5°50	19°50	n.a.	S 6
M 7	20 1 24	28°19'09	27°47	10° 8	12°21	23°14	19°33	3°28	29°13	25°44	28°23	4°45	5°46	19°56	n.a.	M 7
T 8	20 5 21	29°17'54	11♎22	11°47	13°17	23° 1	19°37	3°24	29°10	25°46	28°22	4°D45	5°43	20° 3	n.a.	T 8
W 9	20 9 17	0♌16'42	24°30	13°26	14°13	22°48	19°40	3°20	29° 8	25°48	28°21	4°R46	5°40	20°10	n.a.	W 9
T 10	20 13 14	1°15'31	7♏16	15° 3	15° 9	22°33	19°42	3°16	29° 5	25°50	28°21	4°46	5°37	20°16	n.a.	T 10
F 11	20 17 11	2°14'22	19°43	16°40	16° 6	22°18	19°45	3°13	29° 3	25°53	28°21	4°44	5°34	20°23	n.a.	F 11
S 12	20 21 7	3°13'15	1♐56	18°15	17° 4	22° 3	19°48	3° 9	29° 0	25°55	28°20	4°40	5°30	20°30	n.a.	S 12
S 13	20 25 4	4°12'10	13°59	19°50	18° 2	21°46	19°50	3° 5	28°58	25°57	28°20	4°34	5°27	20°37	n.a.	S 13
M14	20 29 0	5°11'07	25°56	21°24	19° 1	21°30	19°52	3° 2	28°56	25°59	28°19	4°25	5°24	20°43	n.a.	M14
T 15	20 32 57	6°10'06	7♑49	22°56	19°59	21°12	19°54	2°58	28°53	26° 1	28°19	4°15	5°21	20°50	n.a.	T 15
W16	20 36 53	7° 9'07	19°41	24°28	20°59	20°55	19°55	2°55	28°51	26° 4	28°19	4° 4	5°18	20°57	n.a.	W16
T 17	20 40 50	8° 8'10	1♒35	25°59	21°59	20°37	19°57	2°52	28°49	26° 6	28°18	3°53	5°15	21° 4	n.a.	T 17
F 18	20 44 46	9° 7'15	13°30	27°29	22°59	20°18	19°58	2°48	28°46	26° 8	28°18	3°43	5°11	21°10	n.a.	F 18
S 19	20 48 43	10° 6'23	25°29	28°57	24° 0	20° 0	19°59	2°45	28°44	26°10	28°18	3°35	5° 8	21°17	n.a.	S 19
S 20	20 52 40	11° 5'32	7♓34	0♍25	25° 1	19°41	20° 0	2°42	28°42	26°12	28°18	3°29	5° 5	21°24	n.a.	S 20
M21	20 56 36	12° 4'45	19°45	1°52	26° 2	19°22	20° 1	2°39	28°39	26°15	28°17	3°26	5° 2	21°30	n.a.	M21
T 22	21 0 33	13° 3'59	2♈ 7	3°18	27° 4	19° 2	20° 2	2°36	28°37	26°17	28°17	3°D25	4°59	21°37	n.a.	T 22
W23	21 4 29	14° 3'16	14°41	4°44	28° 6	18°43	20° 2	2°33	28°35	26°19	28°17	3°25	4°56	21°44	n.a.	W23
T 24	21 8 26	15° 2'35	27°31	6° 8	29° 9	18°23	20°R 2	2°31	28°32	26°21	28°17	3°27	4°52	21°51	n.a.	T 24
F 25	21 12 22	16° 1'57	10♉40	7°31	0♋12	18° 4	20° 2	2°28	28°30	26°23	28°17	3°R28	4°49	21°57	n.a.	F 25
S 26	21 16 19	17° 1'21	24°12	8°53	1°15	17°44	20° 2	2°25	28°28	26°25	28°D17	3°27	4°46	22° 4	n.a.	S 26
S 27	21 20 15	18° 0'48	8♊ 9	10°13	2°19	17°24	20° 1	2°23	28°26	26°27	28°17	3°26	4°43	22°11	n.a.	S 27
M28	21 24 12	19° 0'18	22°29	11°33	3°22	17° 5	20° 0	2°20	28°23	26°29	28°17	3°22	4°40	22°17	n.a.	M28
T 29	21 28 8	19°59'50	7♋12	12°52	4°27	16°46	19°59	2°18	28°21	26°32	28°17	3°17	4°36	22°24	n.a.	T 29
W30	21 32 5	20°59'24	22°11	14° 9	5°31	16°27	19°58	2°16	28°19	26°34	28°17	3°10	4°33	22°31	n.a.	W30
T 31	21 36 2	21♌59'01	7♌19	15♍24	6♋36	16♒ 8	19♈57	2♑14	28♑17	26♋36	28♏17	3♎ 4	4♎30	22♑38	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21n59	18n53	5s 0	22n 1	1n29	18n 1	3s56	19s 7	5s48	6n27	1s17	24s33	0s43	21s23	0s45	22n15	0n50	19s49	0n22	2s12	2s28	17s31			n.a.
W 2	21 49	18 13	4 59	21 34	1 25	18 14	3 51	19 11	5 49	6 29	1 17	24 33	0 43	21 24	0 45	22 15	0 50	19 49	0 22	2 8	2 26	17 30			n.a.
T 3	21 38	16 14	4 36	21 5	1 20	18 27	3 46	19 16	5 50	6 30	1 18	24 33	0 43	21 24	0 45	22 14	0 50	19 49	0 22	2 4	2 25	17 29			n.a.
F 4	21 28	13 8	3 54	20 35	1 16	18 40	3 41	19 20	5 51	6 32	1 18	24 34	0 43	21 25	0 45	22 14	0 50	19 49	0 22	2 0	2 24	17 29			n.a.
S 5	21 16	9 13	2 57	20 4	1 10	18 52	3 37	19 25	5 52	6 33	1 18	24 34	0 44	21 25	0 45	22 14	0 50	19 49	0 22	1 58	2 23	17 28			n.a.
S 6	21 5	4 50	1 49	19 32	1 5	19 5	3 32	19 30	5 53	6 34	1 18	24 34	0 44	21 26	0 45	22 13	0 50	19 49	0 22	1 56	2 21	17 27			n.a.
M 7	20 53	0 20	0 37	18 59	0 59	19 17	3 27	19 34	5 54	6 35	1 18	24 34	0 44	21 26	0 45	22 13	0 50	19 49	0 22	1 55	2 20	17 26			n.a.
T 8	20 41	4s 2	0n35	18 26	0 54	19 29	3 21	19 39	5 54	6 36	1 18	24 34	0 44	21 27	0 45	22 12	0 50	19 49	0 22	1 55	2 19	17 26			n.a.
W 9	20 28	8 4	1 43	17 52	0 48	19 41	3 16	19 44	5 55	6 37	1 19	24 34	0 44	21 27	0 45	22 12	0 50	19 49	0 22	1 56	2 18	17 25			n.a.
T 10	20 15	11 37	2 44	17 17	0 41	19 53	3 11	19 50	5 55	6 38	1 19	24 35	0 44	21 28	0 45	22 12	0 50	19 49	0 21	1 56	2 16	17 24			n.a.
F 11	20 2	14 32	3 36	16 41	0 35	20 4	3 6	19 55	5 55	6 39	1 19	24 35	0 44	21 28	0 45	22 11	0 50	19 49	0 21	1 55	2 15	17 23			n.a.
S 12	19 48	16 45	4 16	16 5	0 28	20 15	3 1	20 0	5 55	6 40	1 19	24 35	0 44	21 29	0 45	22 11	0 50	19 49	0 21	1 53	2 14	17 23			n.a.
S 13	19 34	18 11	4 45	15 29	0 21	20 25	2 56	20 5	5 55	6 41	1 19	24 35	0 44	21 29	0 45	22 10	0 50	19 49	0 21	1 51	2 12	17 22			n.a.
M14	19 20	18 49	5 1	14 52	0 15	20 36	2 50	20 10	5 54	6 41	1 19	24 35	0 44	21 30	0 45	22 10	0 50	19 49	0 21	1 47	2 11	17 21			n.a.
T 15	19 5	18 36	5 4	14 15	0 8	20 46	2 45	20 16	5 54	6 42	1 20	24 35	0 44	21 30	0 45	22 10	0 50	19 49	0 21	1 43	2 10	17 20			n.a.
W16	18 50	17 35	4 53	13 37	0 0	20 55	2 40	20 21	5 53	6 42	1 20	24 35	0 44	21 31	0 45	22 9	0 50	19 49	0 21	1 39	2 9	17 20			n.a.
T 17	18 34	15 48	4 30	12 59	0s 7	21 4	2 35	20 26	5 52	6 43	1 20	24 36	0 44	21 31	0 45	22 9	0 50	19 49	0 21	1 34	2 7	17 19			n.a.
F 18	18 19	13 20	3 55	12 21	0 14	21 13	2 29	20 31	5 51	6 43	1 20	24 36	0 44	21 32	0 45	22 8	0 50	19 49	0 21	1 30	2 6	17 18			n.a.
S 19	18 3	10 18	3 9	11 43	0 21	21 21	2 24	20 36	5 50	6 43	1 20	24 36	0 44	21 32	0 45	22 8	0 50	19 49	0 21	1 27	2 5	17 17			n.a.
S 20	17 46	6 49	2 14	11 5	0 29	21 29	2 19	20 41	5 49	6 44	1 20	24 36	0 44	21 33	0 45	22 8	0 50	19 49	0 20	1 25	2 3	17 16			n.a.
M21	17 29	3 1	1 13	10 27	0 36	21 36	2 13	20 46	5 47	6 44	1 21	24 36	0 44	21 33	0 45	22 7	0 50	19 49	0 20	1 23	2 2	17 16			n.a.
T 22	17 12	0n58	0 7	9 48	0 44	21 43	2 8	20 51	5 45	6 44	1 21	24 36	0 44	21 34	0 45	22 7	0 50	19 49	0 20	1 23	2 1	17 15			n.a.
W23	16 55	4 58	1s 0	9 10	0 51	21 50	2 3	20 55	5 43	6 44	1 21	24 36	0 44	21 34	0 45	22 6	0 50	19 50	0 20	1 23	2 0	17 14			n.a.
T 24	16 38	8 49	2 6	8 31	0 59	21 56	1 57	21 0	5 41	6 44	1 21	24 36	0 44	21 35	0 45	22 6	0 50	19 50	0 20	1 24	1 58	17 13			n.a.
F 25	16 20	12 20	3 7	7 53	1 6	22 1	1 52	21 4	5 39	6 43	1 21	24 36	0 44	21 35	0 45	22 6	0 50	19 50	0 20	1 24	1 57	17 12			n.a.
S 26	16 2	15 18	4 0	7 15	1 14	22 6	1 47	21 8	5 37	6 43	1 21	24 36	0 44	21 35	0 45	22 5	0 50	19 50	0 20	1 24	1 56	17 12			n.a.
S 27	15 43	17 28	4 40	6 38	1 21	22 11	1 42	21 12	5 34	6 43	1 22	24 37	0 45	21 36	0 45	22 5	0 50	19 50	0 20	1 23	1 54	17 11			n.a.
M28	15 24	18 37	5 4	6 0	1 29	22 14	1 36	21 16	5 32	6 42	1 22	24 37	0 45	21 36	0 45	22 4	0 50	19 50	0 20	1 22	1 53	17 10			n.a.
T 29	15 5	18 33	5 8	5 23	1 36	22 18	1 31	21 19	5 29	6 42	1 22	24 37	0 45	21 37	0 45	22 4	0 50	19 50	0 19	1 20	1 52	17 9			n.a.
W30	14 46	17 13	4 52	4 46	1 43	22 20	1 26	21 22	5 26	6 41	1 22	24 37	0 45	21 37	0 45	22 4	0 50	19 50	0 19	1 17	1 51	17 8			n.a.
T 31	14n27	14n40	4s16	4n10	1s50	22n23	1s21	21s25	5s23	6n41	1s22	24s37	0s45	21s38	0s45	22n 3	0n50	19s50	0n19	1s14	1s49	17s 8			n.a.

Julian Day Number = 1104362.5, Delta T = 10h59m19s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'37, Lahiri = -27°15'37 Julian Calendar 1 Aug. 1690 BCE == Greg. Calendar 18 July 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

SEPTEMBER 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 39 58	22♌58'40	22♌24	16♍39	7♋41	15°R50	19°R56	2°R12	28°R15	26♋38	28♏18	2°R58	4♎27	22♑44	n.a.	F 1
S 2	21 43 55	23°58'21	7♍19	17°52	8°46	15♒32	19♈54	2♑10	28♑13	26°40	28°18	2♎54	4°24	22°51	n.a.	S 2
S 3	21 47 51	24°58'04	21°53	19° 3	9°52	15°14	19°52	2° 8	28°11	26°42	28°18	2°52	4°21	22°58	n.a.	S 3
M 4	21 51 48	25°57'49	6♎ 3	20°12	10°58	14°57	19°50	2° 6	28° 9	26°44	28°18	2°D51	4°17	23° 4	n.a.	M 4
T 5	21 55 44	26°57'37	19°46	21°19	12° 4	14°41	19°48	2° 4	28° 6	26°46	28°18	2°52	4°14	23°11	n.a.	T 5
W 6	21 59 41	27°57'26	3♏ 1	22°24	13°10	14°25	19°45	2° 3	28° 4	26°48	28°19	2°54	4°11	23°18	n.a.	W 6
T 7	22 3 37	28°57'17	15°52	23°27	14°17	14° 9	19°42	2° 1	28° 3	26°50	28°19	2°55	4° 8	23°25	n.a.	T 7
F 8	22 7 34	29°57'09	28°23	24°27	15°24	13°54	19°39	2° 0	28° 1	26°52	28°19	2°R56	4° 5	23°31	n.a.	F 8
S 9	22 11 30	0♍57'04	10♐36	25°24	16°31	13°40	19°36	1°59	27°59	26°54	28°20	2°56	4° 2	23°38	n.a.	S 9
S 10	22 15 27	1°57'01	22°39	26°18	17°38	13°27	19°33	1°58	27°57	26°56	28°20	2°54	3°58	23°45	n.a.	S 10
M11	22 19 24	2°56'59	4♑34	27° 8	18°45	13°14	19°30	1°56	27°55	26°57	28°21	2°50	3°55	23°51	n.a.	M11
T 12	22 23 20	3°56'59	16°26	27°55	19°53	13° 2	19°26	1°56	27°53	26°59	28°21	2°46	3°52	23°58	n.a.	T 12
W13	22 27 17	4°57'02	28°18	28°37	21° 1	12°50	19°22	1°55	27°51	27° 1	28°22	2°41	3°49	24° 5	n.a.	W13
T 14	22 31 13	5°57'06	10♒13	29°15	22° 9	12°39	19°18	1°54	27°50	27° 3	28°22	2°36	3°46	24°12	n.a.	T 14
F 15	22 35 10	6°57'12	22°14	29°47	23°17	12°29	19°14	1°53	27°48	27° 5	28°23	2°32	3°42	24°18	n.a.	F 15
S 16	22 39 6	7°57'19	4♓23	0♎14	24°26	12°20	19° 9	1°53	27°46	27° 7	28°23	2°28	3°39	24°25	n.a.	S 16
S 17	22 43 3	8°57'29	16°39	0°34	25°35	12°12	19° 5	1°52	27°45	27° 8	28°24	2°26	3°36	24°32	n.a.	S 17
M18	22 46 59	9°57'41	29° 6	0°47	26°44	12° 4	19° 0	1°52	27°43	27°10	28°25	2°D25	3°33	24°38	n.a.	M18
T 19	22 50 56	10°57'55	11♈44	0°R53	27°53	11°58	18°55	1°52	27°41	27°12	28°25	2°25	3°30	24°45	n.a.	T 19
W20	22 54 52	11°58'11	24°34	0°50	29° 2	11°51	18°50	1°51	27°40	27°14	28°26	2°26	3°27	24°52	n.a.	W20
T 21	22 58 49	12°58'29	7♉37	0°39	0♌11	11°46	18°45	1°D51	27°38	27°15	28°27	2°28	3°23	24°59	n.a.	T 21
F 22	23 2 46	13°58'49	20°55	0°18	1°21	11°42	18°39	1°52	27°37	27°17	28°28	2°29	3°20	25° 5	n.a.	F 22
S 23	23 6 42	14°59'12	4♊30	29♍48	2°31	11°38	18°34	1°52	27°36	27°19	28°28	2°30	3°17	25°12	n.a.	S 23
S 24	23 10 39	15°59'37	18°21	29° 8	3°41	11°35	18°28	1°52	27°34	27°20	28°29	2°R31	3°14	25°19	n.a.	S 24
M25	23 14 35	17° 0'03	2♋29	28°18	4°51	11°33	18°22	1°52	27°33	27°22	28°30	2°30	3°11	25°25	n.a.	M25
T 26	23 18 32	18° 0'33	16°52	27°20	6° 1	11°32	18°16	1°53	27°32	27°23	28°31	2°29	3° 7	25°32	n.a.	T 26
W27	23 22 28	19° 1'04	1♌27	26°13	7°12	11°D32	18°10	1°53	27°30	27°25	28°32	2°27	3° 4	25°39	n.a.	W27
T 28	23 26 25	20° 1'37	16° 9	25° 1	8°22	11°32	18° 3	1°54	27°29	27°27	28°33	2°26	3° 1	25°46	n.a.	T 28
F 29	23 30 21	21° 2'12	0♍51	23°43	9°33	11°33	17°57	1°55	27°28	27°28	28°34	2°24	2°58	25°52	n.a.	F 29
S 30	23 34 18	22♍ 2'49	15♍27	22♍23	10♌44	11♒35	17♈50	1♑56	27♑27	27♋29	28♏35	2♎23	2♎55	25♑59	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14n 7	11n 8	3s22	3n34	1s57	22n24	1s16	21s28	5s20	6n40	1s22	24s37	0s45	21s38	0s45	22n 3	0n50	19s50	0n19	1s12	1s48	17s 7		n.a.
S 2	13 47	6 55	2 14	2 59	2 4	22 25	1 11	21 30	5 17	6 39	1 22	24 37	0 45	21 39	0 45	22 2	0 50	19 51	0 19	1 11	1 47	17 6		n.a.
S 3	13 27	2 22	0 59	2 25	2 11	22 26	1 6	21 32	5 13	6 38	1 23	24 37	0 45	21 39	0 45	22 2	0 50	19 51	0 19	1 10	1 45	17 5		n.a.
M 4	13 6	2s11	0n17	1 51	2 17	22 25	1 0	21 34	5 10	6 37	1 23	24 37	0 45	21 39	0 45	22 2	0 50	19 51	0 19	1 9	1 44	17 4		n.a.
T 5	12 45	6 28	1 31	1 19	2 24	22 25	0 55	21 36	5 6	6 36	1 23	24 37	0 45	21 40	0 45	22 1	0 51	19 51	0 19	1 10	1 43	17 3		n.a.
W 6	12 24	10 18	2 37	0 47	2 30	22 23	0 51	21 37	5 2	6 35	1 23	24 37	0 45	21 40	0 45	22 1	0 51	19 51	0 19	1 10	1 42	17 3		n.a.
T 7	12 3	13 30	3 33	0 17	2 36	22 21	0 46	21 38	4 59	6 34	1 23	24 37	0 45	21 41	0 45	22 1	0 51	19 51	0 19	1 11	1 40	17 2		n.a.
F 8	11 42	15 59	4 18	0s13	2 41	22 18	0 41	21 39	4 55	6 33	1 23	24 37	0 45	21 41	0 45	22 0	0 51	19 52	0 18	1 11	1 39	17 1		n.a.
S 9	11 20	17 41	4 49	0 40	2 46	22 15	0 36	21 40	4 51	6 32	1 23	24 37	0 45	21 41	0 45	22 0	0 51	19 52	0 18	1 11	1 38	17 0		n.a.
S 10	10 59	18 34	5 8	1 6	2 51	22 11	0 31	21 40	4 47	6 30	1 23	24 37	0 45	21 42	0 45	22 0	0 51	19 52	0 18	1 10	1 36	16 59		n.a.
M11	10 37	18 36	5 13	1 31	2 55	22 7	0 27	21 40	4 43	6 29	1 24	24 37	0 45	21 42	0 45	21 59	0 51	19 52	0 18	1 9	1 35	16 58		n.a.
T 12	10 15	17 50	5 4	1 53	2 59	22 1	0 22	21 40	4 39	6 27	1 24	24 37	0 45	21 42	0 45	21 59	0 51	19 52	0 18	1 7	1 34	16 58		n.a.
W13	9 52	16 17	4 42	2 13	3 2	21 56	0 17	21 39	4 34	6 26	1 24	24 37	0 45	21 43	0 45	21 59	0 51	19 53	0 18	1 5	1 33	16 57		n.a.
T 14	9 30	14 2	4 8	2 30	3 4	21 49	0 13	21 38	4 30	6 24	1 24	24 37	0 45	21 43	0 45	21 58	0 51	19 53	0 18	1 3	1 31	16 56		n.a.
F 15	9 7	11 10	3 23	2 44	3 5	21 42	0 8	21 37	4 26	6 22	1 24	24 37	0 45	21 43	0 45	21 58	0 51	19 53	0 18	1 1	1 30	16 55		n.a.
S 16	8 45	7 47	2 28	2 56	3 6	21 34	0 4	21 36	4 22	6 21	1 24	24 37	0 45	21 44	0 45	21 58	0 51	19 53	0 18	1 0	1 29	16 54		n.a.
S 17	8 22	4 3	1 26	3 4	3 6	21 26	0n 0	21 34	4 17	6 19	1 24	24 38	0 45	21 44	0 45	21 57	0 51	19 54	0 17	0 59	1 27	16 53		n.a.
M18	7 59	0 5	0 18	3 8	3 4	21 17	0 5	21 32	4 13	6 17	1 24	24 38	0 45	21 44	0 45	21 57	0 51	19 54	0 17	0 59	1 26	16 52		n.a.
T 19	7 35	3n56	0s51	3 8	3 2	21 7	0 9	21 30	4 9	6 15	1 24	24 38	0 45	21 45	0 45	21 57	0 51	19 54	0 17	0 59	1 25	16 52		n.a.
W20	7 12	7 51	1 59	3 3	2 58	20 57	0 13	21 27	4 4	6 13	1 24	24 38	0 45	21 45	0 45	21 56	0 51	19 54	0 17	0 59	1 24	16 51		n.a.
T 21	6 49	11 27	3 2	2 53	2 52	20 46	0 17	21 25	4 0	6 11	1 25	24 38	0 45	21 45	0 45	21 56	0 51	19 55	0 17	1 0	1 22	16 50		n.a.
F 22	6 25	14 31	3 57	2 38	2 45	20 35	0 21	21 22	3 56	6 9	1 25	24 38	0 45	21 45	0 45	21 56	0 51	19 55	0 17	1 0	1 21	16 49		n.a.
S 23	6 1	16 52	4 39	2 18	2 36	20 23	0 25	21 19	3 51	6 6	1 25	24 38	0 45	21 46	0 45	21 55	0 51	19 55	0 17	1 1	1 20	16 48		n.a.
S 24	5 37	18 17	5 7	1 52	2 26	20 10	0 29	21 16	3 47	6 4	1 25	24 38	0 45	21 46	0 45	21 55	0 51	19 55	0 17	1 1	1 18	16 47		n.a.
M25	5 14	18 36	5 16	1 20	2 13	19 56	0 33	21 12	3 43	6 2	1 25	24 38	0 45	21 46	0 45	21 55	0 51	19 56	0 17	1 1	1 17	16 46		n.a.
T 26	4 50	17 44	5 6	0 44	1 59	19 42	0 36	21 8	3 39	5 59	1 25	24 38	0 45	21 46	0 45	21 55	0 51	19 56	0 17	1 0	1 16	16 45		n.a.
W27	4 25	15 43	4 37	0 2	1 42	19 28	0 40	21 4	3 34	5 57	1 25	24 38	0 45	21 47	0 45	21 54	0 51	19 56	0 16	1 0	1 15	16 44		n.a.
T 28	4 1	12 39	3 49	0n44	1 25	19 13	0 44	21 0	3 30	5 54	1 25	24 38	0 45	21 47	0 44	21 54	0 51	19 57	0 16	0 59	1 13	16 44		n.a.
F 29	3 37	8 48	2 46	1 33	1 5	18 57	0 47	20 56	3 26	5 52	1 25	24 38	0 45	21 47	0 44	21 54	0 51	19 57	0 16	0 58	1 12	16 43		n.a.
S 30	3n13	4n25	1s33	2n23	0s45	18n41	0n50	20s51	3s22	5n49	1s25	24s38	0s45	21s47	0s44	21n53	0n51	19s57	0n16	0s58	1s11	16s42		n.a.

Julian Day Number = 1104393.5, Delta T = 10h59m17s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'33, Lahiri = -27°15'32 Julian Calendar 1 Sept. 1690 BCE == Greg. Calendar 18 Aug. 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

OCTOBER 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 38 14	23♍ 3'27	29♍49	21°R 4	11♌55	11♒38	17°R44	1♑57	27°R26	27♋31	28♏36	2°D23	2♎52	26♑ 6	n.a.	S 1
M 2	23 42 11	24° 4'07	13♎54	19♍47	13° 6	11°42	17♈37	1°58	27♑25	27°32	28°37	2♎23	2°48	26°12	n.a.	M 2
T 3	23 46 8	25° 4'49	27°36	18°35	14°17	11°46	17°30	1°59	27°24	27°34	28°38	2°24	2°45	26°19	n.a.	T 3
W 4	23 50 4	26° 5'32	10♏55	17°31	15°28	11°51	17°23	2° 1	27°23	27°35	28°39	2°24	2°42	26°26	n.a.	W 4
T 5	23 54 1	27° 6'17	23°50	16°37	16°40	11°57	17°15	2° 2	27°22	27°36	28°40	2°25	2°39	26°33	n.a.	T 5
F 6	23 57 57	28° 7'03	6♐25	15°53	17°52	12° 4	17° 8	2° 4	27°21	27°38	28°42	2°25	2°36	26°39	n.a.	F 6
S 7	0 1 54	29° 7'50	18°43	15°20	19° 3	12°11	17° 1	2° 5	27°20	27°39	28°43	2°26	2°33	26°46	n.a.	S 7
S 8	0 5 50	0♎ 8'39	0♑47	14°59	20°15	12°19	16°53	2° 7	27°20	27°40	28°44	2°R26	2°29	26°53	n.a.	S 8
M 9	0 9 47	1° 9'29	12°43	14°D50	21°27	12°27	16°46	2° 9	27°19	27°42	28°45	2°26	2°26	26°59	n.a.	M 9
T 10	0 13 43	2°10'20	24°35	14°52	22°39	12°37	16°38	2°11	27°18	27°43	28°46	2°D26	2°23	27° 6	n.a.	T 10
W11	0 17 40	3°11'12	6♒27	15° 5	23°51	12°47	16°30	2°13	27°18	27°44	28°48	2°26	2°20	27°13	n.a.	W11
T 12	0 21 37	4°12'05	18°25	15°27	25° 3	12°58	16°22	2°15	27°17	27°45	28°49	2°26	2°17	27°20	n.a.	T 12
F 13	0 25 33	5°12'59	0♓30	15°58	26°16	13° 9	16°14	2°17	27°17	27°46	28°50	2°26	2°13	27°26	n.a.	F 13
S 14	0 29 30	6°13'55	12°47	16°37	27°28	13°21	16° 7	2°20	27°16	27°47	28°52	2°26	2°10	27°33	n.a.	S 14
S 15	0 33 26	7°14'51	25°18	17°24	28°41	13°33	15°59	2°22	27°16	27°48	28°53	2°27	2° 7	27°40	n.a.	S 15
M16	0 37 23	8°15'49	8♈ 2	18°16	29°53	13°47	15°50	2°25	27°16	27°49	28°55	2°R27	2° 4	27°46	n.a.	M16
T 17	0 41 19	9°16'48	21° 2	19°15	1♍ 6	14° 0	15°42	2°27	27°15	27°50	28°56	2°26	2° 1	27°53	n.a.	T 17
W18	0 45 16	10°17'49	4♉16	20°18	2°19	14°15	15°34	2°30	27°15	27°51	28°57	2°26	1°58	28° 0	n.a.	W18
T 19	0 49 12	11°18'50	17°43	21°25	3°32	14°29	15°26	2°33	27°15	27°52	28°59	2°24	1°54	28° 6	n.a.	T 19
F 20	0 53 9	12°19'54	1♊23	22°35	4°45	14°45	15°18	2°36	27°15	27°53	29° 0	2°23	1°51	28°13	n.a.	F 20
S 21	0 57 6	13°20'58	15°13	23°49	5°58	15° 1	15°10	2°39	27°15	27°54	29° 2	2°22	1°48	28°20	n.a.	S 21
S 22	1 1 2	14°22'04	29°12	25° 6	7°11	15°17	15° 2	2°42	27°D15	27°55	29° 3	2°21	1°45	28°27	n.a.	S 22
M23	1 4 59	15°23'11	13♋18	26°25	8°24	15°34	14°53	2°45	27°15	27°55	29° 5	2°D21	1°42	28°33	n.a.	M23
T 24	1 8 55	16°24'19	27°29	27°45	9°38	15°52	14°45	2°49	27°15	27°56	29° 7	2°21	1°38	28°40	n.a.	T 24
W25	1 12 52	17°25'28	11♌43	29° 8	10°51	16°10	14°37	2°52	27°15	27°57	29° 8	2°22	1°35	28°47	n.a.	W25
T 26	1 16 48	18°26'39	25°58	0♎32	12° 4	16°28	14°29	2°56	27°15	27°58	29°10	2°23	1°32	28°53	n.a.	T 26
F 27	1 20 45	19°27'51	10♍10	1°57	13°18	16°47	14°21	2°59	27°15	27°58	29°11	2°24	1°29	29° 0	n.a.	F 27
S 28	1 24 41	20°29'04	24°17	3°23	14°31	17° 6	14°13	3° 3	27°15	27°59	29°13	2°25	1°26	29° 7	n.a.	S 28
S 29	1 28 38	21°30'17	8♎15	4°50	15°45	17°26	14° 5	3° 7	27°16	28° 0	29°15	2°R25	1°23	29°14	n.a.	S 29
M30	1 32 35	22°31'32	22° 0	6°18	16°59	17°46	13°56	3°11	27°16	28° 0	29°16	2°24	1°19	29°20	n.a.	M30
T 31	1 36 31	23♎32'47	5♏30	7♎46	18♍12	18♒ 7	13♈49	3♑15	27♑17	28♋ 1	29♏18	2♎22	1♎16	29♑27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	2n48	0s 9	0s14	3n14	0s25	18n24	0n54	20s46	3s18	5n47	1s25	24s38	0s45	21s47	0s44	21n53	0n51	19s58	0n16	0s58	1s 9	16s41			n.a.
M 2	2 24	4 37	1n 3	4 3	0 4	18 7	0 57	20 41	3 13	5 44	1 25	24 38	0 45	21 48	0 44	21 53	0 51	19 58	0 16	0 58	1 8	16 40			n.a.
T 3	1 59	8 43	2 15	4 50	0n16	17 49	1 0	20 36	3 9	5 41	1 25	24 38	0 45	21 48	0 44	21 53	0 51	19 58	0 16	0 58	1 7	16 39			n.a.
W 4	1 35	12 15	3 18	5 34	0 35	17 30	1 3	20 31	3 5	5 38	1 25	24 38	0 45	21 48	0 44	21 52	0 51	19 59	0 16	0 58	1 6	16 38			n.a.
T 5	1 10	15 4	4 8	6 12	0 54	17 11	1 6	20 26	3 1	5 36	1 25	24 38	0 45	21 48	0 44	21 52	0 51	19 59	0 16	0 59	1 4	16 37			n.a.
F 6	0 46	17 6	4 46	6 45	1 10	16 52	1 9	20 20	2 57	5 33	1 25	24 38	0 45	21 48	0 44	21 52	0 51	19 59	0 16	0 59	1 3	16 36			n.a.
S 7	0 21	18 17	5 8	7 11	1 25	16 31	1 12	20 14	2 54	5 30	1 25	24 37	0 45	21 48	0 44	21 52	0 52	20 0	0 15	0 59	1 2	16 35			n.a.
S 8	0s 3	18 36	5 17	7 32	1 38	16 11	1 14	20 8	2 50	5 27	1 25	24 37	0 45	21 48	0 44	21 52	0 52	20 0	0 15	0 59	1 0	16 35			n.a.
M 9	0 28	18 5	5 12	7 46	1 50	15 50	1 17	20 2	2 46	5 24	1 25	24 37	0 45	21 49	0 44	21 51	0 52	20 1	0 15	0 59	0 59	16 34			n.a.
T 10	0 53	16 47	4 54	7 54	1 59	15 28	1 20	19 56	2 42	5 21	1 25	24 37	0 45	21 49	0 44	21 51	0 52	20 1	0 15	0 59	0 58	16 33			n.a.
W11	1 17	14 46	4 23	7 56	2 7	15 6	1 22	19 49	2 38	5 18	1 25	24 37	0 45	21 49	0 44	21 51	0 52	20 1	0 15	0 59	0 57	16 32			n.a.
T 12	1 42	12 6	3 41	7 53	2 13	14 44	1 24	19 42	2 35	5 15	1 25	24 37	0 45	21 49	0 44	21 51	0 52	20 2	0 15	0 59	0 55	16 31			n.a.
F 13	2 7	8 53	2 48	7 45	2 18	14 21	1 27	19 36	2 31	5 12	1 25	24 37	0 45	21 49	0 44	21 51	0 52	20 2	0 15	0 59	0 54	16 30			n.a.
S 14	2 31	5 14	1 47	7 32	2 21	13 58	1 29	19 29	2 28	5 9	1 25	24 37	0 45	21 49	0 44	21 50	0 52	20 2	0 15	0 59	0 53	16 29			n.a.
S 15	2 56	1 18	0 40	7 15	2 23	13 34	1 31	19 22	2 24	5 6	1 25	24 37	0 45	21 49	0 44	21 50	0 52	20 3	0 15	0 59	0 51	16 28			n.a.
M16	3 20	2n46	0s31	6 55	2 24	13 10	1 33	19 15	2 21	5 3	1 25	24 37	0 45	21 49	0 44	21 50	0 52	20 3	0 15	0 59	0 50	16 27			n.a.
T 17	3 45	6 48	1 41	6 32	2 24	12 45	1 35	19 7	2 17	5 0	1 25	24 37	0 45	21 49	0 44	21 50	0 52	20 4	0 14	0 59	0 49	16 26			n.a.
W18	4 9	10 33	2 48	6 6	2 23	12 20	1 36	19 0	2 14	4 57	1 25	24 37	0 45	21 49	0 44	21 50	0 52	20 4	0 14	0 59	0 48	16 25			n.a.
T 19	4 33	13 50	3 46	5 37	2 21	11 55	1 38	18 52	2 11	4 54	1 24	24 37	0 45	21 49	0 44	21 50	0 52	20 5	0 14	0 58	0 46	16 24			n.a.
F 20	4 58	16 24	4 32	5 6	2 18	11 29	1 40	18 44	2 7	4 50	1 24	24 37	0 45	21 49	0 44	21 49	0 52	20 5	0 14	0 58	0 45	16 23			n.a.
S 21	5 22	18 2	5 3	4 33	2 15	11 3	1 41	18 37	2 4	4 47	1 24	24 37	0 45	21 49	0 44	21 49	0 52	20 5	0 14	0 57	0 44	16 22			n.a.
S 22	5 46	18 37	5 16	3 59	2 11	10 37	1 42	18 29	2 1	4 44	1 24	24 37	0 45	21 49	0 44	21 49	0 52	20 6	0 14	0 57	0 42	16 21			n.a.
M23	6 10	18 3	5 11	3 23	2 7	10 10	1 44	18 20	1 58	4 41	1 24	24 37	0 45	21 49	0 44	21 49	0 52	20 6	0 14	0 57	0 41	16 20			n.a.
T 24	6 34	16 22	4 47	2 46	2 2	9 43	1 45	18 12	1 55	4 38	1 24	24 37	0 45	21 49	0 44	21 49	0 52	20 7	0 14	0 57	0 40	16 19			n.a.
W25	6 58	13 40	4 5	2 8	1 57	9 16	1 46	18 4	1 52	4 35	1 24	24 37	0 45	21 49	0 44	21 49	0 52	20 7	0 14	0 57	0 39	16 19			n.a.
T 26	7 22	10 9	3 8	1 30	1 52	8 48	1 47	17 55	1 49	4 32	1 24	24 37	0 45	21 49	0 44	21 49	0 52	20 8	0 14	0 58	0 37	16 18			n.a.
F 27	7 45	6 3	2 0	0 50	1 46	8 20	1 48	17 47	1 46	4 29	1 23	24 37	0 45	21 49	0 44	21 49	0 52	20 8	0 13	0 58	0 36	16 17			n.a.
S 28	8 9	1 38	0 45	0 10	1 40	7 52	1 49	17 38	1 43	4 26	1 23	24 36	0 45	21 49	0 44	21 49	0 52	20 9	0 13	0 59	0 35	16 16			n.a.
S 29	8 32	2s50	0n32	0s31	1 34	7 24	1 50	17 29	1 40	4 23	1 23	24 36	0 45	21 49	0 44	21 48	0 52	20 9	0 13	0 59	0 33	16 15			n.a.
M30	8 55	7 5	1 46	1 12	1 28	6 55	1 50	17 20	1 37	4 20	1 23	24 36	0 45	21 48	0 43	21 48	0 52	20 9	0 13	0 58	0 32	16 14			n.a.
T 31	9s19	10s54	2n52	1s54	1n22	6n27	1n51	17s11	1s35	4n17	1s23	24s36	0s45	21s48	0s43	21n48	0n52	20s10	0n13	0s57	0s31	16s13			n.a.

Julian Day Number = 1104423.5, Delta T = 10h59m15s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'29, Lahiri = -27°15'28 Julian Calendar 1 Oct. 1690 BCE == Greg. Calendar 17 Sept. 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

NOVEMBER 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 40 28	24♎34'03	18♏42	9♎15	19♍26	18♒28	13°R41	3♉19	27♉17	28♋ 1	29♏20	2°R19	1♎13	29♉34	n.a.	W 1
T 2	1 44 24	25°35'19	1♐35	10°45	20°40	18°50	13♈33	3°23	27°18	28° 2	29°22	2♎15	1°10	29°40	n.a.	T 2
F 3	1 48 21	26°36'36	14°11	12°15	21°54	19°12	13°25	3°27	27°18	28° 2	29°23	2°11	1° 7	29°47	n.a.	F 3
S 4	1 52 17	27°37'53	26°30	13°45	23° 8	19°34	13°17	3°31	27°19	28° 2	29°25	2° 7	1° 4	29°54	n.a.	S 4
S 5	1 56 14	28°39'10	8♉36	15°16	24°22	19°57	13°10	3°36	27°20	28° 3	29°27	2° 4	1° 0	0♒ 1	n.a.	S 5
M 6	2 0 10	29°40'28	20°32	16°47	25°36	20°20	13° 2	3°40	27°20	28° 3	29°29	2° 3	0°57	0° 7	n.a.	M 6
T 7	2 4 7	0♏41'46	2♒24	18°18	26°50	20°43	12°54	3°45	27°21	28° 3	29°31	2°D 2	0°54	0°14	n.a.	T 7
W 8	2 8 4	1°43'04	14°15	19°50	28° 4	21° 7	12°47	3°50	27°22	28° 4	29°32	2° 3	0°51	0°21	n.a.	W 8
T 9	2 12 0	2°44'22	26°12	21°22	29°18	21°31	12°40	3°54	27°23	28° 4	29°34	2° 5	0°48	0°27	n.a.	T 9
F 10	2 15 57	3°45'39	8♓19	22°54	0♎32	21°55	12°33	3°59	27°24	28° 4	29°36	2° 6	0°44	0°34	n.a.	F 10
S 11	2 19 53	4°46'57	20°40	24°26	1°46	22°20	12°26	4° 4	27°25	28° 4	29°38	2° 8	0°41	0°41	n.a.	S 11
S 12	2 23 50	5°48'15	3♈19	25°58	3° 1	22°45	12°19	4° 9	27°26	28° 4	29°40	2°R 9	0°38	0°47	n.a.	S 12
M13	2 27 46	6°49'33	16°17	27°31	4°15	23°11	12°12	4°14	27°27	28° 4	29°42	2° 8	0°35	0°54	n.a.	M13
T 14	2 31 43	7°50'51	29°37	29° 4	5°29	23°36	12° 5	4°19	27°28	28° 4	29°44	2° 5	0°32	1° 1	n.a.	T 14
W15	2 35 40	8°52'09	13♉16	0♏37	6°44	24° 2	11°59	4°24	27°29	28°R 4	29°46	2° 0	0°29	1° 8	n.a.	W15
T 16	2 39 36	9°53'28	27°13	2°11	7°58	24°28	11°52	4°29	27°30	28° 4	29°48	1°55	0°25	1°14	n.a.	T 16
F 17	2 43 33	10°54'46	11♊22	3°44	9°12	24°55	11°46	4°35	27°32	28° 4	29°49	1°48	0°22	1°21	n.a.	F 17
S 18	2 47 29	11°56'05	25°40	5°18	10°27	25°22	11°40	4°40	27°33	28° 4	29°51	1°42	0°19	1°28	n.a.	S 18
S 19	2 51 26	12°57'23	10♋ 0	6°53	11°41	25°49	11°34	4°46	27°34	28° 4	29°53	1°36	0°16	1°34	n.a.	S 19
M20	2 55 22	13°58'42	24°18	8°27	12°56	26°16	11°28	4°51	27°36	28° 4	29°55	1°33	0°13	1°41	n.a.	M20
T 21	2 59 19	15° 0'01	8♌32	10° 2	14°10	26°43	11°22	4°57	27°37	28° 4	29°57	1°31	0°10	1°48	n.a.	T 21
W22	3 3 15	16° 1'20	22°38	11°37	15°25	27°11	11°17	5° 2	27°39	28° 3	29°59	1°D31	0° 6	1°54	n.a.	W22
T 23	3 7 12	17° 2'39	6♍35	13°13	16°39	27°39	11°11	5° 8	27°40	28° 3	0♐ 1	1°32	0° 3	2° 1	n.a.	T 23
F 24	3 11 9	18° 3'58	20°24	14°49	17°54	28° 7	11° 6	5°14	27°42	28° 3	0° 3	1°33	29♍59	2° 8	n.a.	F 24
S 25	3 15 5	19° 5'17	4♎ 3	16°25	19° 8	28°36	11° 1	5°20	27°44	28° 2	0° 5	1°R34	29°57	2°15	n.a.	S 25
S 26	3 19 2	20° 6'36	17°33	18° 2	20°23	29° 4	10°56	5°26	27°45	28° 2	0° 7	1°32	29°54	2°21	n.a.	S 26
M27	3 22 58	21° 7'54	0♏53	19°39	21°37	29°33	10°52	5°32	27°47	28° 2	0° 9	1°29	29°50	2°28	n.a.	M27
T 28	3 26 55	22° 9'13	14° 1	21°16	22°52	0♓ 2	10°47	5°38	27°49	28° 1	0°11	1°23	29°47	2°35	n.a.	T 28
W29	3 30 51	23°10'30	26°56	22°54	24° 7	0°31	10°43	5°44	27°51	28° 1	0°13	1°14	29°44	2°41	n.a.	W29
T 30	3 34 48	24♏11'48	9♐39	24♏33	25♎21	1♓ 1	10♈39	5♉50	27♉53	28♋ 0	0♐15	1♎ 4	29♍41	2♒48	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s42	14s 4	3n48	2s35	1n15	5n57	1n51	17s 2	1s32	4n14	1s23	24s36	0s45	21s48	0s43	21n48	0n53	20s10	0n13	0s56	0s30	16s12		n.a.
T 2	10 4	16 27	4 30	3 17	1 8	5 28	1 52	16 52	1 29	4 11	1 22	24 36	0 45	21 48	0 43	21 48	0 53	20 11	0 13	0 55	0 28	16 11		n.a.
F 3	10 27	17 59	4 59	3 59	1 2	4 59	1 52	16 43	1 27	4 8	1 22	24 36	0 45	21 48	0 43	21 48	0 53	20 11	0 13	0 53	0 27	16 10		n.a.
S 4	10 49	18 38	5 12	4 41	0 55	4 29	1 52	16 33	1 24	4 5	1 22	24 36	0 45	21 48	0 43	21 48	0 53	20 12	0 13	0 52	0 26	16 9		n.a.
S 5	11 12	18 25	5 12	5 23	0 48	4 0	1 52	16 24	1 21	4 2	1 22	24 36	0 45	21 48	0 43	21 48	0 53	20 12	0 13	0 50	0 24	16 8		n.a.
M 6	11 34	17 23	4 58	6 5	0 41	3 30	1 52	16 14	1 19	3 59	1 22	24 36	0 45	21 47	0 43	21 48	0 53	20 13	0 13	0 50	0 23	16 7		n.a.
T 7	11 56	15 36	4 31	6 47	0 34	3 0	1 52	16 4	1 17	3 57	1 21	24 35	0 45	21 47	0 43	21 48	0 53	20 13	0 12	0 50	0 22	16 6		n.a.
W 8	12 18	13 9	3 53	7 28	0 27	2 29	1 52	15 54	1 14	3 54	1 21	24 35	0 45	21 47	0 43	21 48	0 53	20 14	0 12	0 50	0 21	16 5		n.a.
T 9	12 39	10 8	3 4	8 10	0 21	1 59	1 52	15 44	1 12	3 51	1 21	24 35	0 45	21 47	0 43	21 48	0 53	20 14	0 12	0 50	0 19	16 4		n.a.
F 10	13 0	6 39	2 7	8 51	0 14	1 29	1 52	15 33	1 9	3 49	1 21	24 35	0 45	21 47	0 43	21 48	0 53	20 15	0 12	0 51	0 18	16 3		n.a.
S 11	13 21	2 49	1 2	9 32	0 7	0 59	1 51	15 23	1 7	3 46	1 21	24 35	0 45	21 46	0 43	21 48	0 53	20 15	0 12	0 52	0 17	16 2		n.a.
S 12	13 42	1n15	0s 6	10 13	0 0	0 28	1 51	15 12	1 5	3 43	1 20	24 35	0 46	21 46	0 43	21 48	0 53	20 16	0 12	0 52	0 15	16 1		n.a.
M13	14 3	5 21	1 16	10 53	0s 6	0s 2	1 50	15 2	1 3	3 41	1 20	24 35	0 46	21 46	0 43	21 48	0 53	20 16	0 12	0 52	0 14	16 0		n.a.
T 14	14 23	9 18	2 24	11 33	0 13	0 33	1 49	14 51	1 0	3 39	1 20	24 35	0 46	21 46	0 43	21 48	0 53	20 17	0 12	0 51	0 13	15 59		n.a.
W15	14 43	12 52	3 25	12 13	0 20	1 4	1 49	14 40	0 58	3 36	1 20	24 34	0 46	21 45	0 43	21 48	0 53	20 17	0 12	0 49	0 12	15 58		n.a.
T 16	15 3	15 46	4 15	12 52	0 26	1 34	1 48	14 30	0 56	3 34	1 19	24 34	0 46	21 45	0 43	21 48	0 53	20 18	0 12	0 46	0 10	15 57		n.a.
F 17	15 23	17 46	4 50	13 30	0 32	2 5	1 47	14 19	0 54	3 32	1 19	24 34	0 46	21 45	0 43	21 48	0 53	20 18	0 12	0 44	0 9	15 56		n.a.
S 18	15 42	18 41	5 8	14 8	0 38	2 35	1 46	14 7	0 52	3 29	1 19	24 34	0 46	21 44	0 43	21 48	0 53	20 19	0 11	0 41	0 8	15 55		n.a.
S 19	16 1	18 25	5 6	14 46	0 45	3 6	1 45	13 56	0 50	3 27	1 19	24 34	0 46	21 44	0 43	21 48	0 53	20 19	0 11	0 39	0 6	15 54		n.a.
M20	16 20	16 58	4 46	15 23	0 51	3 36	1 44	13 45	0 48	3 25	1 18	24 33	0 46	21 44	0 43	21 48	0 53	20 20	0 11	0 38	0 5	15 53		n.a.
T 21	16 38	14 29	4 8	15 59	0 56	4 7	1 43	13 34	0 46	3 23	1 18	24 33	0 46	21 43	0 43	21 49	0 53	20 20	0 11	0 37	0 4	15 52		n.a.
W22	16 57	11 10	3 15	16 35	1 2	4 37	1 42	13 22	0 44	3 21	1 18	24 33	0 46	21 43	0 43	21 49	0 53	20 21	0 11	0 37	0 3	15 51		n.a.
T 23	17 14	7 14	2 11	17 10	1 7	5 7	1 40	13 11	0 42	3 19	1 17	24 33	0 46	21 43	0 43	21 49	0 53	20 21	0 11	0 37	0 1	15 50		n.a.
F 24	17 32	2 57	1 0	17 44	1 13	5 38	1 39	12 59	0 41	3 18	1 17	24 33	0 46	21 42	0 43	21 49	0 54	20 22	0 11	0 38	0n 0	15 49		n.a.
S 25	17 49	1s26	0n13	18 18	1 18	6 8	1 37	12 47	0 39	3 16	1 17	24 32	0 46	21 42	0 43	21 49	0 54	20 22	0 11	0 38	0 1	15 47		n.a.
S 26	18 6	5 42	1 25	18 51	1 23	6 38	1 36	12 35	0 37	3 14	1 17	24 32	0 46	21 42	0 43	21 49	0 54	20 23	0 11	0 37	0 3	15 46		n.a.
M27	18 23	9 38	2 31	19 23	1 27	7 8	1 34	12 23	0 35	3 13	1 16	24 32	0 46	21 41	0 43	21 49	0 54	20 24	0 11	0 36	0 4	15 45		n.a.
T 28	18 39	13 2	3 28	19 53	1 32	7 37	1 33	12 11	0 33	3 11	1 16	24 32	0 46	21 41	0 43	21 49	0 54	20 24	0 10	0 33	0 5	15 44		n.a.
W29	18 55	15 44	4 13	20 23	1 36	8 7	1 31	11 59	0 32	3 10	1 16	24 32	0 46	21 41	0 43	21 49	0 54	20 25	0 10	0 30	0 6	15 43		n.a.
T 30	19s10	17s38	4n44	20s52	1s40	8s36	1n29	11s47	0s30	3n 8	1s15	24s31	0s46	21s40	0s42	21n50	0n54	20s25	0n10	0s26	0n 8	15s42		n.a.

Julian Day Number = 1104454.5, Delta T = 10h59m13s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'25, Lahiri = -27°15'24 Julian Calendar 1 Nov. 1690 BCE == Greg. Calendar 18 Oct. 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1690 BCE
geocentric

DECEMBER 1690 BCE (-1689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 38 45	25♏13'04	22♐ 7	26♏12	26♎36	1♓31	10°R35	5♑56	27♑55	28°R 0	0♐17	0°R53	29♍38	2♒55	n.a.	F 1
S 2	3 42 41	26°14'20	4♑23	27°51	27°51	2° 0	10♈31	6° 2	27°57	27♋59	0°19	0♎43	29°35	3° 2	n.a.	S 2
S 3	3 46 38	27°15'36	16°27	29°31	29° 5	2°30	10°28	6° 8	27°59	27°59	0°21	0°34	29°31	3° 8	n.a.	S 3
M 4	3 50 34	28°16'50	28°23	1♐11	0♏20	3° 1	10°24	6°15	28° 1	27°58	0°23	0°27	29°28	3°15	n.a.	M 4
T 5	3 54 31	29°18'03	10♒13	2°52	1°34	3°31	10°21	6°21	28° 3	27°57	0°25	0°22	29°25	3°22	n.a.	T 5
W 6	3 58 27	0♐19'15	22° 3	4°33	2°49	4° 2	10°18	6°28	28° 5	27°57	0°27	0°20	29°22	3°28	n.a.	W 6
T 7	4 2 24	1°20'26	3♓57	6°15	4° 4	4°32	10°15	6°34	28° 7	27°56	0°29	0°D20	29°19	3°35	n.a.	T 7
F 8	4 6 20	2°21'36	16° 1	7°57	5°18	5° 3	10°13	6°41	28° 9	27°55	0°32	0°20	29°15	3°42	n.a.	F 8
S 9	4 10 17	3°22'45	28°20	9°39	6°33	5°34	10°10	6°47	28°12	27°54	0°34	0°R21	29°12	3°48	n.a.	S 9
S 10	4 14 14	4°23'53	11♈ 0	11°22	7°48	6° 5	10° 8	6°54	28°14	27°54	0°36	0°21	29° 9	3°55	n.a.	S 10
M11	4 18 10	5°24'59	24° 3	13° 5	9° 2	6°37	10° 6	7° 1	28°16	27°53	0°38	0°18	29° 6	4° 2	n.a.	M11
T 12	4 22 7	6°26'05	7♉33	14°49	10°17	7° 8	10° 5	7° 7	28°19	27°52	0°40	0°13	29° 3	4° 9	n.a.	T 12
W13	4 26 3	7°27'09	21°28	16°32	11°32	7°40	10° 3	7°14	28°21	27°51	0°42	0° 5	29° 0	4°15	n.a.	W13
T 14	4 30 0	8°28'12	5♊48	18°16	12°46	8°12	10° 2	7°21	28°23	27°50	0°44	29♍55	28°56	4°22	n.a.	T 14
F 15	4 33 56	9°29'14	20°24	20° 0	14° 1	8°43	10° 0	7°28	28°26	27°49	0°46	29°44	28°53	4°29	n.a.	F 15
S 16	4 37 53	10°30'15	5♋11	21°43	15°16	9°15	10° 0	7°35	28°28	27°48	0°48	29°33	28°50	4°35	n.a.	S 16
S 17	4 41 50	11°31'15	20° 0	23°27	16°30	9°48	9°59	7°41	28°31	27°47	0°50	29°23	28°47	4°42	n.a.	S 17
M18	4 45 46	12°32'13	4♌42	25°10	17°45	10°20	9°58	7°48	28°34	27°46	0°52	29°16	28°44	4°49	n.a.	M18
T 19	4 49 43	13°33'11	19°11	26°52	19° 0	10°52	9°58	7°55	28°36	27°45	0°54	29°12	28°41	4°55	n.a.	T 19
W20	4 53 39	14°34'08	3♍25	28°33	20°14	11°25	9°D58	8° 2	28°39	27°44	0°56	29° 9	28°37	5° 2	n.a.	W20
T 21	4 57 36	15°35'04	17°20	0♎13	21°29	11°57	9°58	8° 9	28°41	27°43	0°58	29°D 9	28°34	5° 9	n.a.	T 21
F 22	5 1 32	16°35'59	0♎59	1°51	22°44	12°30	9°58	8°16	28°44	27°42	1° 0	29°R 9	28°31	5°15	n.a.	F 22
S 23	5 5 29	17°36'52	14°22	3°27	23°58	13° 3	9°59	8°24	28°47	27°40	1° 2	29° 8	28°28	5°22	n.a.	S 23
S 24	5 9 25	18°37'45	27°32	5° 0	25°13	13°36	9°59	8°31	28°50	27°39	1° 4	29° 6	28°25	5°29	n.a.	S 24
M25	5 13 22	19°38'36	10♏29	6°31	26°28	14° 9	10° 0	8°38	28°52	27°38	1° 5	29° 0	28°21	5°36	n.a.	M25
T 26	5 17 19	20°39'26	23°16	7°58	27°42	14°42	10° 1	8°45	28°55	27°37	1° 7	28°51	28°18	5°42	n.a.	T 26
W27	5 21 15	21°40'15	5♐52	9°20	28°57	15°15	10° 3	8°52	28°58	27°36	1° 9	28°40	28°15	5°49	n.a.	W27
T 28	5 25 12	22°41'02	18°18	10°37	0♐12	15°48	10° 4	8°59	29° 1	27°34	1°11	28°26	28°12	5°56	n.a.	T 28
F 29	5 29 8	23°41'48	0♑35	11°49	1°26	16°22	10° 6	9° 7	29° 4	27°33	1°13	28°11	28° 9	6° 2	n.a.	F 29
S 30	5 33 5	24°42'32	12°42	12°54	2°41	16°55	10° 8	9°14	29° 7	27°32	1°15	27°57	28° 6	6° 9	n.a.	S 30
S 31	5 37 1	25♐43'15	24♑41	13♑52	3♐55	17♓29	10♈10	9♑21	29♑10	27♋30	1♐17	27♍44	28♍ 2	6♒16	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s26	18s38	5n 2	21s20	1s44	9s 5	1n28	11s35	0s28	3n 7	1s15	24s31	0s46	21s40	0s42	21n50	0n54	20s26	0n10	0s22	0n 9	15s41		n.a.
S 2	19 40	18 44	5 5	21 47	1 47	9 34	1 26	11 22	0 27	3 6	1 15	24 31	0 46	21 39	0 42	21 50	0 54	20 26	0 10	0 17	0 10	15 40		n.a.
S 3	19 55	18 0	4 54	22 13	1 50	10 3	1 24	11 10	0 25	3 5	1 14	24 31	0 46	21 39	0 42	21 50	0 54	20 27	0 10	0 14	0 12	15 39		n.a.
M 4	20 9	16 28	4 30	22 37	1 53	10 31	1 22	10 57	0 24	3 4	1 14	24 30	0 46	21 38	0 42	21 50	0 54	20 27	0 10	0 11	0 13	15 38		n.a.
T 5	20 23	14 15	3 55	23 0	1 55	11 0	1 20	10 45	0 22	3 3	1 14	24 30	0 46	21 38	0 42	21 50	0 54	20 28	0 10	0 9	0 14	15 37		n.a.
W 6	20 36	11 26	3 10	23 22	1 57	11 28	1 18	10 32	0 20	3 2	1 14	24 30	0 46	21 37	0 42	21 51	0 54	20 28	0 10	0 8	0 15	15 36		n.a.
T 7	20 49	8 8	2 16	23 43	1 59	11 55	1 16	10 19	0 19	3 1	1 13	24 29	0 46	21 37	0 42	21 51	0 54	20 29	0 10	0 8	0 17	15 35		n.a.
F 8	21 1	4 27	1 16	24 1	2 0	12 23	1 14	10 6	0 18	3 0	1 13	24 29	0 46	21 36	0 42	21 51	0 54	20 29	0 10	0 8	0 18	15 34		n.a.
S 9	21 13	0 31	0 11	24 19	2 1	12 50	1 12	9 53	0 16	3 0	1 13	24 29	0 46	21 36	0 42	21 51	0 54	20 30	0 9	0 9	0 19	15 33		n.a.
S 10	21 25	3n34	0s57	24 34	2 2	13 17	1 9	9 40	0 15	2 59	1 12	24 28	0 46	21 36	0 42	21 51	0 54	20 30	0 9	0 8	0 21	15 32		n.a.
M11	21 36	7 36	2 3	24 48	2 2	13 43	1 7	9 27	0 13	2 59	1 12	24 28	0 46	21 35	0 42	21 52	0 54	20 31	0 9	0 7	0 22	15 31		n.a.
T 12	21 47	11 23	3 4	25 0	2 1	14 9	1 5	9 14	0 12	2 58	1 12	24 28	0 46	21 34	0 42	21 52	0 54	20 31	0 9	0 5	0 23	15 29		n.a.
W13	21 58	14 40	3 57	25 11	2 0	14 35	1 2	9 1	0 10	2 58	1 11	24 27	0 46	21 34	0 42	21 52	0 54	20 32	0 9	0 2	0 24	15 28		n.a.
T 14	22 8	17 9	4 36	25 19	1 58	15 1	1 0	8 48	0 9	2 58	1 11	24 27	0 46	21 33	0 42	21 52	0 54	20 32	0 9	0n 2	0 26	15 27		n.a.
F 15	22 17	18 35	4 58	25 26	1 56	15 26	0 58	8 34	0 8	2 57	1 11	24 27	0 46	21 33	0 42	21 52	0 54	20 33	0 9	0 6	0 27	15 26		n.a.
S 16	22 26	18 47	5 0	25 30	1 53	15 50	0 55	8 21	0 6	2 57	1 10	24 26	0 46	21 32	0 42	21 53	0 54	20 33	0 9	0 11	0 28	15 25		n.a.
S 17	22 35	17 42	4 43	25 32	1 49	16 14	0 53	8 7	0 5	2 57	1 10	24 26	0 47	21 32	0 42	21 53	0 54	20 34	0 9	0 15	0 30	15 24		n.a.
M18	22 43	15 28	4 7	25 33	1 45	16 38	0 50	7 54	0 4	2 57	1 10	24 26	0 47	21 31	0 42	21 53	0 54	20 34	0 9	0 18	0 31	15 23		n.a.
T 19	22 51	12 16	3 15	25 31	1 40	17 2	0 48	7 40	0 3	2 58	1 9	24 25	0 47	21 31	0 42	21 53	0 54	20 35	0 9	0 20	0 32	15 22		n.a.
W20	22 59	8 24	2 12	25 27	1 34	17 25	0 45	7 26	0 1	2 58	1 9	24 25	0 47	21 30	0 42	21 54	0 55	20 35	0 8	0 20	0 33	15 21		n.a.
T 21	23 5	4 8	1 2	25 21	1 27	17 47	0 43	7 13	0 0	2 58	1 9	24 25	0 47	21 30	0 42	21 54	0 55	20 36	0 8	0 21	0 35	15 20		n.a.
F 22	23 12	0s15	0n10	25 12	1 20	18 9	0 40	6 59	0n 1	2 59	1 8	24 24	0 47	21 29	0 42	21 54	0 55	20 36	0 8	0 21	0 36	15 18		n.a.
S 23	23 18	4 33	1 20	25 2	1 12	18 30	0 38	6 45	0 2	2 59	1 8	24 24	0 47	21 28	0 42	21 54	0 55	20 37	0 8	0 21	0 37	15 17		n.a.
S 24	23 23	8 33	2 24	24 50	1 2	18 51	0 35	6 31	0 3	3 0	1 8	24 23	0 47	21 28	0 42	21 55	0 55	20 37	0 8	0 22	0 39	15 16		n.a.
M25	23 29	12 5	3 20	24 36	0 52	19 12	0 33	6 17	0 4	3 0	1 7	24 23	0 47	21 27	0 42	21 55	0 55	20 38	0 8	0 24	0 40	15 15		n.a.
T 26	23 33	15 0	4 5	24 20	0 41	19 32	0 30	6 3	0 5	3 1	1 7	24 22	0 47	21 27	0 42	21 55	0 55	20 38	0 8	0 28	0 41	15 14		n.a.
W27	23 37	17 9	4 37	24 2	0 29	19 51	0 27	5 49	0 7	3 2	1 7	24 22	0 47	21 26	0 42	21 56	0 55	20 39	0 8	0 33	0 42	15 13		n.a.
T 28	23 41	18 28	4 55	23 43	0 16	20 10	0 25	5 35	0 8	3 3	1 6	24 22	0 47	21 25	0 42	21 56	0 55	20 39	0 8	0 38	0 44	15 12		n.a.
F 29	23 44	18 54	4 59	23 23	0 2	20 28	0 22	5 21	0 9	3 4	1 6	24 21	0 47	21 25	0 42	21 56	0 55	20 40	0 8	0 44	0 45	15 11		n.a.
S 30	23 47	18 27	4 50	23 3	0n12	20 46	0 20	5 7	0 10	3 5	1 6	24 21	0 47	21 24	0 42	21 56	0 55	20 40	0 8	0 50	0 46	15 10		n.a.
S 31	23s49	17s12	4n28	22s42	0n28	21s 3	0n17	4s52	0n11	3n 6	1s 5	24s20	0s47	21s23	0s42	21n57	0n55	20s41	0n 7	0n55	0n48	15s 8		n.a.

Julian Day Number = 1104484.5, Delta T = 10h59m11s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'21, Lahiri = -27°15'20 Julian Calendar 1 Dec. 1690 BCE == Greg. Calendar 17 Nov. 1690 BCE

The year -1689 astronomical counting style corresponds to year 1690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

JANUARY 1689 BCE (-1688) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 40 58	26♐43'55	6♒34	14♑43	5♐10	18♓ 2	10♈12	9♑28	29♑13	27°R29	1♐19	27°R33	27♍59	6♒22	n.a.	M 1
T 2	5 44 55	27°44'34	18°23	15°24	6°25	18°36	10°15	9°36	29°16	27♋28	1°21	27♍25	27°56	6°29	n.a.	T 2
W 3	5 48 51	28°45'11	0♓11	15°56	7°39	19°10	10°17	9°43	29°19	27°26	1°23	27°21	27°53	6°36	n.a.	W 3
T 4	5 52 48	29°45'46	12° 3	16°19	8°54	19°44	10°20	9°50	29°22	27°25	1°24	27°18	27°50	6°43	n.a.	T 4
F 5	5 56 44	0♑46'19	24° 4	16°31	10° 8	20°18	10°23	9°58	29°25	27°23	1°26	27°18	27°47	6°49	n.a.	F 5
S 6	6 0 41	1°46'50	6♈19	16°R33	11°23	20°52	10°26	10° 5	29°28	27°22	1°28	27°18	27°43	6°56	n.a.	S 6
S 7	6 4 37	2°47'18	18°55	16°25	12°37	21°26	10°30	10°13	29°31	27°20	1°30	27°17	27°40	7° 3	n.a.	S 7
M 8	6 8 34	3°47'45	1♉54	16° 6	13°52	22° 0	10°34	10°20	29°34	27°19	1°32	27°15	27°37	7° 9	n.a.	M 8
T 9	6 12 30	4°48'10	15°22	15°38	15° 6	22°35	10°37	10°27	29°38	27°17	1°33	27°10	27°34	7°16	n.a.	T 9
W10	6 16 27	5°48'32	29°20	15° 0	16°21	23° 9	10°41	10°35	29°41	27°16	1°35	27° 2	27°31	7°23	n.a.	W10
T 11	6 20 23	6°48'53	13♊47	14°15	17°35	23°43	10°46	10°42	29°44	27°14	1°37	26°52	27°27	7°29	n.a.	T 11
F 12	6 24 20	7°49'11	28°37	13°23	18°50	24°18	10°50	10°50	29°47	27°13	1°39	26°41	27°24	7°36	n.a.	F 12
S 13	6 28 17	8°49'28	13♋43	12°25	20° 4	24°52	10°54	10°57	29°50	27°11	1°40	26°29	27°21	7°43	n.a.	S 13
S 14	6 32 13	9°49'43	28°54	11°23	21°19	25°27	10°59	11° 4	29°54	27°10	1°42	26°19	27°18	7°49	n.a.	S 14
M15	6 36 10	10°49'55	14♌ 0	10°19	22°33	26° 2	11° 4	11°12	29°57	27° 8	1°44	26°11	27°15	7°56	n.a.	M15
T 16	6 40 6	11°50'06	28°51	9°15	23°48	26°36	11° 9	11°19	0♒ 0	27° 7	1°45	26° 6	27°12	8° 3	n.a.	T 16
W17	6 44 3	12°50'15	13♍21	8°11	25° 2	27°11	11°14	11°27	0° 4	27° 5	1°47	26° 4	27° 8	8°10	n.a.	W17
T 18	6 47 59	13°50'23	27°29	7° 9	26°17	27°46	11°20	11°34	0° 7	27° 3	1°49	26°D 3	27° 5	8°16	n.a.	T 18
F 19	6 51 56	14°50'28	11♎12	6°11	27°31	28°21	11°25	11°42	0°10	27° 2	1°50	26°R 4	27° 2	8°23	n.a.	F 19
S 20	6 55 52	15°50'32	24°33	5°18	28°45	28°56	11°31	11°49	0°13	27° 0	1°52	26° 3	26°59	8°30	n.a.	S 20
S 21	6 59 49	16°50'34	7♏35	4°30	29°59	29°31	11°37	11°56	0°17	26°59	1°53	26° 2	26°56	8°36	n.a.	S 21
M22	7 3 46	17°50'35	20°20	3°48	1♑14	0♈ 6	11°43	12° 4	0°20	26°57	1°55	25°57	26°53	8°43	n.a.	M22
T 23	7 7 42	18°50'33	2♐52	3°12	2°29	0°41	11°49	12°11	0°24	26°55	1°56	25°50	26°49	8°50	n.a.	T 23
W24	7 11 39	19°50'30	15°13	2°44	3°43	1°16	11°56	12°19	0°27	26°54	1°58	25°40	26°46	8°56	n.a.	W24
T 25	7 15 35	20°50'25	27°25	2°21	4°57	1°51	12° 2	12°26	0°30	26°52	1°59	25°29	26°43	9° 3	n.a.	T 25
F 26	7 19 32	21°50'18	9♑29	2° 6	6°12	2°26	12° 9	12°33	0°34	26°50	2° 1	25°16	26°40	9°10	n.a.	F 26
S 27	7 23 28	22°50'08	21°27	1°57	7°26	3° 2	12°16	12°41	0°37	26°49	2° 2	25° 4	26°37	9°16	n.a.	S 27
S 28	7 27 25	23°49'57	3♒21	1°D55	8°41	3°37	12°23	12°48	0°40	26°47	2° 4	24°53	26°33	9°23	n.a.	S 28
M29	7 31 21	24°49'43	15°11	1°59	9°55	4°12	12°30	12°55	0°44	26°45	2° 5	24°44	26°30	9°30	n.a.	M29
T 30	7 35 18	25°49'27	26°59	2° 9	11° 9	4°48	12°37	13° 3	0°47	26°44	2° 6	24°37	26°27	9°37	n.a.	T 30
W31	7 39 15	26♑49'09	8♓48	2♑24	12♑24	5♈23	12♈45	13♑10	0♒51	26♋42	2♐ 8	24♍34	26♍24	9♒43	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23 s51	15 s12	3n54	22 s20	0n44	21 s20	0n14	4 s38	0n12	3n 7	1 s 5	24 s20	0 s47	21 s23	0 s42	21n57	0n55	20 s41	0n 7	1n 0	0n49	15 s 7		n.a.
T 2	23 52	12 36	3 10	21 59	1 0	21 35	0 12	4 24	0 13	3 8	1 5	24 19	0 47	21 22	0 42	21 57	0 55	20 42	0 7	1 3	0 50	15 6		n.a.
W 3	23 53	9 28	2 18	21 38	1 17	21 51	0 9	4 9	0 14	3 10	1 4	24 19	0 47	21 21	0 42	21 58	0 55	20 42	0 7	1 5	0 51	15 5		n.a.
T 4	23 53	5 57	1 20	21 19	1 34	22 5	0 7	3 55	0 15	3 11	1 4	24 18	0 47	21 21	0 42	21 58	0 55	20 43	0 7	1 5	0 53	15 4		n.a.
F 5	23 53	2 8	0 17	21 0	1 52	22 19	0 4	3 40	0 16	3 13	1 4	24 18	0 48	21 20	0 42	21 58	0 55	20 43	0 7	1 6	0 54	15 3		n.a.
S 6	23 53	1n50	0 s48	20 43	2 9	22 33	0 1	3 26	0 17	3 14	1 4	24 17	0 48	21 19	0 42	21 59	0 55	20 44	0 7	1 6	0 55	15 2		n.a.
S 7	23 51	5 49	1 52	20 27	2 25	22 45	0 s 1	3 11	0 18	3 16	1 3	24 17	0 48	21 19	0 42	21 59	0 55	20 44	0 7	1 6	0 57	15 0		n.a.
M 8	23 50	9 40	2 52	20 14	2 41	22 57	0 4	2 57	0 19	3 18	1 3	24 16	0 48	21 18	0 42	21 59	0 55	20 45	0 7	1 7	0 58	14 59		n.a.
T 9	23 48	13 10	3 45	20 2	2 56	23 9	0 6	2 42	0 19	3 19	1 3	24 16	0 48	21 17	0 42	22 0	0 55	20 45	0 7	1 9	0 59	14 58		n.a.
W10	23 45	16 3	4 27	19 52	3 10	23 19	0 9	2 27	0 20	3 21	1 2	24 15	0 48	21 17	0 42	22 0	0 55	20 45	0 7	1 12	1 0	14 57		n.a.
T 11	23 43	18 2	4 53	19 45	3 23	23 29	0 11	2 13	0 21	3 23	1 2	24 15	0 48	21 16	0 42	22 0	0 55	20 46	0 6	1 16	1 2	14 56		n.a.
F 12	23 39	18 52	5 1	19 40	3 33	23 38	0 14	1 58	0 22	3 25	1 2	24 14	0 48	21 15	0 42	22 1	0 55	20 46	0 6	1 21	1 3	14 55		n.a.
S 13	23 35	18 24	4 48	19 37	3 42	23 47	0 16	1 43	0 23	3 27	1 1	24 14	0 48	21 15	0 42	22 1	0 55	20 47	0 6	1 25	1 4	14 54		n.a.
S 14	23 31	16 37	4 14	19 36	3 48	23 55	0 19	1 29	0 24	3 30	1 1	24 13	0 48	21 14	0 42	22 1	0 55	20 47	0 6	1 29	1 6	14 52		n.a.
M15	23 26	13 42	3 23	19 37	3 53	24 2	0 21	1 14	0 25	3 32	1 1	24 12	0 48	21 13	0 42	22 2	0 55	20 48	0 6	1 33	1 7	14 51		n.a.
T 16	23 21	9 56	2 19	19 39	3 55	24 8	0 24	0 59	0 25	3 34	1 0	24 12	0 48	21 12	0 42	22 2	0 55	20 48	0 6	1 35	1 8	14 50		n.a.
W17	23 15	5 38	1 7	19 44	3 55	24 14	0 26	0 44	0 26	3 36	1 0	24 11	0 48	21 12	0 42	22 2	0 55	20 49	0 6	1 36	1 9	14 49		n.a.
T 18	23 9	1 8	0n 8	19 49	3 52	24 18	0 28	0 30	0 27	3 39	1 0	24 11	0 48	21 11	0 42	22 3	0 55	20 49	0 6	1 36	1 11	14 48		n.a.
F 19	23 3	3 s18	1 20	19 56	3 48	24 22	0 31	0 15	0 28	3 41	1 0	24 10	0 49	21 10	0 42	22 3	0 55	20 49	0 6	1 36	1 12	14 47		n.a.
S 20	22 56	7 26	2 25	20 5	3 42	24 26	0 33	0n 0	0 29	3 44	0 59	24 10	0 49	21 9	0 42	22 3	0 55	20 50	0 6	1 36	1 13	14 45		n.a.
S 21	22 48	11 7	3 22	20 14	3 35	24 28	0 35	0 15	0 29	3 46	0 59	24 9	0 49	21 9	0 42	22 4	0 55	20 50	0 6	1 37	1 15	14 44		n.a.
M22	22 40	14 12	4 7	20 24	3 26	24 30	0 37	0 30	0 30	3 49	0 59	24 8	0 49	21 8	0 42	22 4	0 55	20 51	0 5	1 38	1 16	14 43		n.a.
T 23	22 32	16 34	4 39	20 35	3 16	24 31	0 39	0 45	0 31	3 52	0 58	24 8	0 49	21 7	0 42	22 4	0 55	20 51	0 5	1 41	1 17	14 42		n.a.
W24	22 23	18 7	4 58	20 46	3 5	24 32	0 42	1 0	0 32	3 55	0 58	24 7	0 49	21 7	0 42	22 5	0 55	20 51	0 5	1 45	1 18	14 41		n.a.
T 25	22 14	18 49	5 2	20 58	2 54	24 31	0 44	1 15	0 32	3 57	0 58	24 6	0 49	21 6	0 42	22 5	0 55	20 52	0 5	1 50	1 20	14 40		n.a.
F 26	22 5	18 40	4 54	21 11	2 41	24 30	0 46	1 29	0 33	4 0	0 58	24 6	0 49	21 5	0 42	22 5	0 55	20 52	0 5	1 55	1 21	14 38		n.a.
S 27	21 55	17 40	4 32	21 24	2 29	24 28	0 48	1 44	0 34	4 3	0 57	24 5	0 49	21 4	0 42	22 6	0 55	20 53	0 5	2 0	1 22	14 37		n.a.
S 28	21 44	15 55	3 58	21 37	2 16	24 26	0 50	1 59	0 34	4 6	0 57	24 5	0 49	21 4	0 42	22 6	0 55	20 53	0 5	2 4	1 24	14 36		n.a.
M29	21 34	13 30	3 14	21 50	2 3	24 22	0 52	2 14	0 35	4 9	0 57	24 4	0 49	21 3	0 42	22 6	0 55	20 53	0 5	2 8	1 25	14 35		n.a.
T 30	21 23	10 32	2 22	22 2	1 50	24 18	0 54	2 29	0 36	4 13	0 57	24 3	0 49	21 2	0 42	22 7	0 56	20 54	0 5	2 10	1 26	14 34		n.a.
W31	21 s11	7 s 8	1n23	22 s15	1n37	24 s13	0 s55	2n44	0n36	4n16	0 s56	24 s 3	0 s50	21 s 1	0 s42	22n 7	0n56	20 s54	0n 5	2n12	1n27	14 s32		n.a.

Julian Day Number = 1104515.5, Delta T = 10h59m09s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'16, Lahiri = -27°15'16 Julian Calendar 1 Jan. 1689 BCE == Greg. Calendar 18 Dec. 1690 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

FEBRUARY 1689 BCE (-1688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 43 11	27♉48'48	20♓42	2♉45	13♉38	5♈59	12♈52	13♉17	0♒54	26°R40	2♐ 9	24°D32	26♍21	9♒50	n.a.	T 1
F 2	7 47 8	28°48'25	2♈44	3°10	14°52	6°34	13° 0	13°25	0°57	26♋39	2°10	24♍32	26°18	9°57	n.a.	F 2
S 3	7 51 4	29°47'59	14°58	3°40	16° 6	7°10	13° 8	13°32	1° 1	26°37	2°12	24°33	26°14	10° 3	n.a.	S 3
S 4	7 55 1	0♒47'31	27°30	4°15	17°21	7°45	13°16	13°39	1° 4	26°35	2°13	24°R34	26°11	10°10	n.a.	S 4
M 5	7 58 57	1°47'00	10♉25	4°54	18°35	8°21	13°24	13°46	1° 8	26°34	2°14	24°34	26° 8	10°17	n.a.	M 5
T 6	8 2 54	2°46'28	23°46	5°36	19°49	8°56	13°32	13°53	1°11	26°32	2°15	24°32	26° 5	10°23	n.a.	T 6
W 7	8 6 50	3°45'52	7♊36	6°23	21° 3	9°32	13°41	14° 1	1°15	26°31	2°16	24°27	26° 2	10°30	n.a.	W 7
T 8	8 10 47	4°45'14	21°56	7°12	22°18	10° 8	13°49	14° 8	1°18	26°29	2°18	24°21	25°59	10°37	n.a.	T 8
F 9	8 14 43	5°44'34	6♋42	8° 5	23°32	10°44	13°58	14°15	1°21	26°27	2°19	24°14	25°55	10°43	n.a.	F 9
S 10	8 18 40	6°43'52	21°49	9° 1	24°46	11°19	14° 6	14°22	1°25	26°26	2°20	24° 7	25°52	10°50	n.a.	S 10
S 11	8 22 37	7°43'07	7♌ 5	10° 0	26° 0	11°55	14°15	14°29	1°28	26°24	2°21	24° 0	25°49	10°57	n.a.	S 11
M12	8 26 33	8°42'19	22°22	11° 1	27°14	12°31	14°24	14°36	1°32	26°22	2°22	23°55	25°46	11° 3	n.a.	M12
T 13	8 30 30	9°41'30	7♍28	12° 5	28°29	13° 7	14°34	14°43	1°35	26°21	2°23	23°52	25°43	11°10	n.a.	T 13
W14	8 34 26	10°40'39	22°15	13°12	29°43	13°43	14°43	14°50	1°38	26°19	2°24	23°D51	25°39	11°17	n.a.	W14
T 15	8 38 23	11°39'45	6♎37	14°20	0♒57	14°19	14°52	14°57	1°42	26°18	2°25	23°51	25°36	11°24	n.a.	T 15
F 16	8 42 19	12°38'50	20°33	15°31	2°11	14°54	15° 2	15° 4	1°45	26°16	2°26	23°53	25°33	11°30	n.a.	F 16
S 17	8 46 16	13°37'52	4♏ 2	16°45	3°25	15°30	15°11	15°11	1°48	26°14	2°27	23°54	25°30	11°37	n.a.	S 17
S 18	8 50 12	14°36'53	17° 7	18° 0	4°39	16° 6	15°21	15°17	1°52	26°13	2°28	23°R54	25°27	11°44	n.a.	S 18
M19	8 54 9	15°35'52	29°50	19°17	5°54	16°42	15°31	15°24	1°55	26°11	2°28	23°53	25°24	11°50	n.a.	M19
T 20	8 58 5	16°34'49	12♐17	20°36	7° 8	17°18	15°41	15°31	1°58	26°10	2°29	23°50	25°20	11°57	n.a.	T 20
W21	9 2 2	17°33'44	24°31	21°57	8°22	17°54	15°51	15°38	2° 2	26° 8	2°30	23°46	25°17	12° 4	n.a.	W21
T 22	9 5 59	18°32'37	6♉34	23°20	9°36	18°31	16° 1	15°44	2° 5	26° 7	2°31	23°40	25°14	12°10	n.a.	T 22
F 23	9 9 55	19°31'29	18°30	24°44	10°50	19° 7	16°11	15°51	2° 8	26° 5	2°32	23°34	25°11	12°17	n.a.	F 23
S 24	9 13 52	20°30'18	0♒22	26°10	12° 4	19°43	16°22	15°58	2°12	26° 4	2°32	23°28	25° 8	12°24	n.a.	S 24
S 25	9 17 48	21°29'05	12°12	27°38	13°18	20°19	16°32	16° 4	2°15	26° 2	2°33	23°22	25° 4	12°30	n.a.	S 25
M26	9 21 45	22°27'50	24° 1	29° 8	14°32	20°55	16°43	16°11	2°18	26° 1	2°34	23°18	25° 1	12°37	n.a.	M26
T 27	9 25 41	23°26'33	5♓52	0♒39	15°46	21°31	16°53	16°17	2°22	25°59	2°34	23°15	24°58	12°44	n.a.	T 27
W28	9 29 38	24°25'13	17°46	2°11	17° 0	22° 7	17° 4	16°24	2°25	25°58	2°35	23°D14	24°55	12°50	n.a.	W28
T 29	9 33 34	25♒23'51	29♓46	3♒46	18♒14	22♈44	17♈15	16♉30	2♒28	25♋56	2♐35	23♍14	24♍52	12♒57	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s59	3s26	0n21	22s28	1n24	24s 7	0s57	2n59	0n37	4n19	0s56	24s 2	0s50	21s 1	0s42	22n 7	0n56	20s54	0n 5	2n13	1n29	14s31		n.a.
F 2	20 47	0n26	0s44	22 40	1 11	24 1	0 59	3 14	0 38	4 22	0 56	24 1	0 50	21 0	0 42	22 8	0 56	20 55	0 5	2 13	1 30	14 30		n.a.
S 3	20 34	4 21	1 48	22 52	0 58	23 54	1 1	3 29	0 38	4 26	0 55	24 1	0 50	20 59	0 42	22 8	0 56	20 55	0 4	2 12	1 31	14 29		n.a.
S 4	20 21	8 10	2 48	23 3	0 46	23 46	1 2	3 44	0 39	4 29	0 55	24 0	0 50	20 58	0 42	22 8	0 56	20 55	0 4	2 12	1 33	14 28		n.a.
M 5	20 8	11 43	3 41	23 14	0 34	23 38	1 4	3 58	0 40	4 33	0 55	23 59	0 50	20 57	0 42	22 9	0 56	20 56	0 4	2 12	1 34	14 26		n.a.
T 6	19 54	14 48	4 25	23 24	0 22	23 28	1 5	4 13	0 40	4 36	0 55	23 59	0 50	20 57	0 42	22 9	0 56	20 56	0 4	2 13	1 35	14 25		n.a.
W 7	19 40	17 9	4 55	23 33	0 11	23 18	1 7	4 28	0 41	4 40	0 54	23 58	0 50	20 56	0 42	22 9	0 56	20 56	0 4	2 15	1 36	14 24		n.a.
T 8	19 26	18 31	5 7	23 41	0 0	23 8	1 8	4 43	0 41	4 43	0 54	23 57	0 50	20 55	0 42	22 10	0 56	20 57	0 4	2 17	1 38	14 23		n.a.
F 9	19 11	18 43	5 0	23 49	0s11	22 56	1 10	4 58	0 42	4 47	0 54	23 57	0 50	20 54	0 42	22 10	0 56	20 57	0 4	2 20	1 39	14 21		n.a.
S 10	18 56	17 36	4 33	23 55	0 21	22 44	1 11	5 13	0 42	4 51	0 54	23 56	0 51	20 54	0 42	22 10	0 56	20 57	0 4	2 23	1 40	14 20		n.a.
S 11	18 41	15 13	3 45	24 1	0 31	22 32	1 12	5 27	0 43	4 54	0 53	23 55	0 51	20 53	0 42	22 11	0 56	20 58	0 4	2 26	1 42	14 19		n.a.
M12	18 25	11 46	2 42	24 5	0 40	22 18	1 14	5 42	0 44	4 58	0 53	23 55	0 51	20 52	0 42	22 11	0 56	20 58	0 4	2 28	1 43	14 18		n.a.
T 13	18 9	7 34	1 28	24 9	0 49	22 4	1 15	5 57	0 44	5 2	0 53	23 54	0 51	20 51	0 42	22 11	0 56	20 58	0 4	2 29	1 44	14 17		n.a.
W14	17 53	3 0	0 9	24 11	0 58	21 50	1 16	6 12	0 45	5 6	0 53	23 53	0 51	20 51	0 42	22 12	0 56	20 59	0 3	2 29	1 45	14 15		n.a.
T 15	17 37	1s38	1n 9	24 12	1 6	21 34	1 17	6 26	0 45	5 10	0 53	23 53	0 51	20 50	0 42	22 12	0 56	20 59	0 3	2 29	1 47	14 14		n.a.
F 16	17 20	6 1	2 20	24 11	1 14	21 18	1 18	6 41	0 46	5 14	0 52	23 52	0 51	20 49	0 42	22 12	0 56	20 59	0 3	2 29	1 48	14 13		n.a.
S 17	17 3	9 57	3 21	24 10	1 21	21 2	1 19	6 55	0 46	5 18	0 52	23 51	0 51	20 48	0 42	22 13	0 56	20 59	0 3	2 28	1 49	14 12		n.a.
S 18	16 45	13 17	4 9	24 7	1 28	20 45	1 20	7 10	0 47	5 22	0 52	23 51	0 51	20 48	0 42	22 13	0 56	21 0	0 3	2 28	1 51	14 10		n.a.
M19	16 28	15 52	4 44	24 2	1 35	20 27	1 20	7 25	0 47	5 26	0 52	23 50	0 52	20 47	0 42	22 13	0 56	21 0	0 3	2 28	1 52	14 9		n.a.
T 20	16 10	17 39	5 5	23 56	1 41	20 9	1 21	7 39	0 48	5 30	0 51	23 49	0 52	20 46	0 42	22 13	0 56	21 0	0 3	2 29	1 53	14 8		n.a.
W21	15 51	18 36	5 11	23 49	1 47	19 50	1 22	7 54	0 48	5 34	0 51	23 49	0 52	20 45	0 42	22 14	0 56	21 0	0 3	2 31	1 54	14 7		n.a.
T 22	15 33	18 40	5 3	23 40	1 52	19 30	1 23	8 8	0 49	5 38	0 51	23 48	0 52	20 45	0 42	22 14	0 56	21 1	0 3	2 33	1 56	14 5		n.a.
F 23	15 14	17 55	4 42	23 29	1 56	19 10	1 23	8 23	0 49	5 42	0 51	23 47	0 52	20 44	0 42	22 14	0 56	21 1	0 3	2 36	1 57	14 4		n.a.
S 24	14 55	16 23	4 9	23 17	2 1	18 50	1 24	8 37	0 50	5 46	0 50	23 47	0 52	20 43	0 42	22 15	0 56	21 1	0 2	2 38	1 58	14 3		n.a.
S 25	14 36	14 10	3 26	23 3	2 4	18 29	1 24	8 51	0 50	5 51	0 50	23 46	0 52	20 42	0 42	22 15	0 56	21 1	0 2	2 41	2 0	14 2		n.a.
M26	14 17	11 22	2 33	22 48	2 8	18 7	1 24	9 6	0 51	5 55	0 50	23 45	0 52	20 42	0 42	22 15	0 56	21 2	0 2	2 42	2 1	14 0		n.a.
T 27	13 57	8 5	1 34	22 31	2 10	17 45	1 25	9 20	0 51	5 59	0 50	23 45	0 53	20 41	0 42	22 15	0 56	21 2	0 2	2 44	2 2	13 59		n.a.
W28	13 38	4 28	0 30	22 12	2 13	17 23	1 25	9 34	0 51	6 4	0 50	23 44	0 53	20 40	0 42	22 16	0 56	21 2	0 2	2 44	2 3	13 58		n.a.
T 29	13s18	0s38	0s36	21s51	2s15	17s 0	1s25	9n48	0n52	6n 8	0s49	23s43	0s53	20s39	0s42	22n16	0n56	21s 2	0n 2	2n44	2n 5	13s57		n.a.

Julian Day Number = 1104546.5, Delta T = 10h59m07s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'12, Lahiri = -27°15'12 Julian Calendar 1 Feb. 1689 BCE == Greg. Calendar 18 Jan. 1689 BCE

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

MARCH 1689 BCE (-1688) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 37 31	26♒22'27	11♈55	5♒22	19♒28	23♈20	17♈26	16♑36	2♒31	25°R55	2♐36	23♍15	24♍49	13♒ 4	n.a.	F 1
S 2	9 41 27	27°21'01	24°16	6°59	20°42	23°56	17°37	16°43	2°34	25♋54	2°36	23°16	24°45	13°10	n.a.	S 2
S 3	9 45 24	28°19'33	6♉52	8°39	21°56	24°32	17°48	16°49	2°37	25°52	2°37	23°18	24°42	13°17	n.a.	S 3
M 4	9 49 21	29°18'02	19°47	10°19	23°10	25° 9	17°59	16°55	2°41	25°51	2°37	23°19	24°39	13°24	n.a.	M 4
T 5	9 53 17	0♓16'29	3♊ 4	12° 2	24°24	25°45	18°10	17° 1	2°44	25°50	2°38	23°R19	24°36	13°30	n.a.	T 5
W 6	9 57 14	1°14'54	16°46	13°46	25°38	26°21	18°22	17° 7	2°47	25°48	2°38	23°19	24°33	13°37	n.a.	W 6
T 7	10 1 10	2°13'16	0♋53	15°31	26°52	26°58	18°33	17°13	2°50	25°47	2°39	23°17	24°30	13°44	n.a.	T 7
F 8	10 5 7	3°11'36	15°25	17°19	28° 6	27°34	18°44	17°19	2°53	25°46	2°39	23°15	24°26	13°50	n.a.	F 8
S 9	10 9 3	4° 9'54	0♌16	19° 7	29°20	28°11	18°56	17°25	2°56	25°45	2°39	23°12	24°23	13°57	n.a.	S 9
S 10	10 13 0	5° 8'10	15°21	20°58	0♓34	28°47	19° 8	17°31	2°59	25°43	2°39	23°10	24°20	14° 4	n.a.	S 10
M11	10 16 56	6° 6'23	0♍31	22°50	1°48	29°23	19°19	17°37	3° 2	25°42	2°40	23° 8	24°17	14°11	n.a.	M11
T 12	10 20 53	7° 4'35	15°36	24°44	3° 2	29°59	19°31	17°42	3° 5	25°41	2°40	23° 8	24°14	14°17	n.a.	T 12
W13	10 24 49	8° 2'44	0♎27	26°39	4°16	0♉36	19°43	17°48	3° 8	25°40	2°40	23°D 8	24°10	14°24	n.a.	W13
T 14	10 28 46	9° 0'52	14°58	28°36	5°30	1°13	19°55	17°53	3°11	25°39	2°40	23° 8	24° 7	14°31	n.a.	T 14
F 15	10 32 43	9°58'58	29° 3	0♓35	6°44	1°49	20° 7	17°59	3°14	25°38	2°40	23° 9	24° 4	14°37	n.a.	F 15
S 16	10 36 39	10°57'03	12♏42	2°35	7°58	2°26	20°19	18° 4	3°17	25°37	2°40	23°10	24° 1	14°44	n.a.	S 16
S 17	10 40 36	11°55'06	25°54	4°37	9°11	3° 2	20°31	18°10	3°20	25°36	2°41	23°11	23°58	14°51	n.a.	S 17
M18	10 44 32	12°53'07	8♐43	6°40	10°25	3°39	20°43	18°15	3°22	25°35	2°41	23°R11	23°55	14°57	n.a.	M18
T 19	10 48 29	13°51'07	21°11	8°44	11°39	4°15	20°56	18°21	3°25	25°34	2°R41	23°11	23°51	15° 4	n.a.	T 19
W20	10 52 25	14°49'06	3♑24	10°50	12°53	4°52	21° 8	18°26	3°28	25°33	2°41	23°11	23°48	15°11	n.a.	W20
T 21	10 56 22	15°47'03	15°24	12°57	14° 7	5°28	21°20	18°31	3°31	25°32	2°41	23°10	23°45	15°17	n.a.	T 21
F 22	11 0 18	16°44'58	27°18	15° 5	15°21	6° 5	21°33	18°36	3°33	25°31	2°40	23° 9	23°42	15°24	n.a.	F 22
S 23	11 4 15	17°42'52	9♒ 7	17°14	16°35	6°41	21°45	18°41	3°36	25°30	2°40	23° 8	23°39	15°31	n.a.	S 23
S 24	11 8 11	18°40'44	20°55	19°23	17°48	7°18	21°58	18°46	3°39	25°29	2°40	23° 8	23°36	15°37	n.a.	S 24
M25	11 12 8	19°38'35	2♓47	21°33	19° 2	7°55	22°10	18°51	3°41	25°28	2°40	23° 7	23°32	15°44	n.a.	M25
T 26	11 16 5	20°36'24	14°43	23°43	20°16	8°31	22°23	18°56	3°44	25°27	2°40	23° 7	23°29	15°51	n.a.	T 26
W27	11 20 1	21°34'12	26°46	25°53	21°30	9° 8	22°36	19° 0	3°46	25°27	2°40	23°D 7	23°26	15°57	n.a.	W27
T 28	11 23 58	22°31'58	8♈58	28° 2	22°44	9°45	22°48	19° 5	3°49	25°26	2°39	23° 7	23°23	16° 4	n.a.	T 28
F 29	11 27 54	23°29'42	21°21	0♈11	23°57	10°21	23° 1	19° 9	3°51	25°25	2°39	23°R 7	23°20	16°11	n.a.	F 29
S 30	11 31 51	24°27'25	3♉56	2°19	25°11	10°58	23°14	19°14	3°54	25°24	2°39	23° 7	23°16	16°17	n.a.	S 30
S 31	11 35 47	25♓25'06	16♉45	4♈25	26♓25	11♉35	23♈27	19♑18	3♒56	25♋24	2♐38	23♍ 7	23♍13	16♒24	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s58	3n15	1s41	21s29	2s16	16s36	1s25	10n 2	0n52	6n13	0s49	23s43	0s53	20s39	0s42	22n16	0n56	21s 2	0n 2	2n44	2n 6	13s55		n.a.
S 2	12 37	7 4	2 43	21 4	2 17	16 12	1 25	10 16	0 53	6 17	0 49	23 42	0 53	20 38	0 42	22 17	0 56	21 3	0 2	2 43	2 7	13 54		n.a.
S 3	12 17	10 38	3 38	20 38	2 17	15 48	1 25	10 30	0 53	6 22	0 49	23 41	0 53	20 37	0 42	22 17	0 56	21 3	0 2	2 42	2 9	13 53		n.a.
M 4	11 56	13 48	4 23	20 11	2 17	15 23	1 25	10 44	0 54	6 26	0 49	23 41	0 53	20 36	0 42	22 17	0 56	21 3	0 2	2 42	2 10	13 52		n.a.
T 5	11 35	16 19	4 56	19 41	2 16	14 58	1 25	10 58	0 54	6 31	0 48	23 40	0 53	20 36	0 42	22 17	0 56	21 3	0 2	2 42	2 11	13 50		n.a.
W 6	11 14	18 1	5 13	19 9	2 15	14 32	1 25	11 12	0 54	6 35	0 48	23 39	0 54	20 35	0 42	22 18	0 56	21 3	0 1	2 42	2 12	13 49		n.a.
T 7	10 53	18 40	5 13	18 36	2 13	14 6	1 25	11 26	0 55	6 40	0 48	23 39	0 54	20 34	0 42	22 18	0 56	21 3	0 1	2 43	2 14	13 48		n.a.
F 8	10 31	18 8	4 52	18 1	2 11	13 40	1 24	11 39	0 55	6 44	0 48	23 38	0 54	20 34	0 42	22 18	0 56	21 4	0 1	2 44	2 15	13 46		n.a.
S 9	10 10	16 22	4 12	17 23	2 8	13 13	1 24	11 53	0 56	6 49	0 48	23 37	0 54	20 33	0 42	22 18	0 56	21 4	0 1	2 45	2 16	13 45		n.a.
S 10	9 48	13 27	3 14	16 44	2 5	12 46	1 23	12 7	0 56	6 54	0 47	23 37	0 54	20 32	0 42	22 18	0 56	21 4	0 1	2 46	2 17	13 44		n.a.
M11	9 26	9 36	2 2	16 3	2 1	12 19	1 23	12 20	0 56	6 58	0 47	23 36	0 54	20 32	0 42	22 19	0 56	21 4	0 1	2 46	2 19	13 43		n.a.
T 12	9 5	5 9	0 42	15 21	1 56	11 51	1 22	12 34	0 57	7 3	0 47	23 36	0 54	20 31	0 42	22 19	0 56	21 4	0 1	2 47	2 20	13 41		n.a.
W13	8 42	0 26	0n40	14 36	1 51	11 23	1 22	12 47	0 57	7 8	0 47	23 35	0 55	20 30	0 42	22 19	0 56	21 4	0 1	2 47	2 21	13 40		n.a.
T 14	8 20	4s11	1 58	13 49	1 46	10 55	1 21	13 0	0 57	7 13	0 47	23 34	0 55	20 30	0 42	22 19	0 56	21 4	0 1	2 46	2 23	13 39		n.a.
F 15	7 58	8 27	3 6	13 1	1 39	10 27	1 20	13 14	0 58	7 17	0 47	23 34	0 55	20 29	0 42	22 19	0 56	21 5	0 1	2 46	2 24	13 37		n.a.
S 16	7 36	12 6	4 2	12 11	1 33	9 58	1 19	13 27	0 58	7 22	0 46	23 33	0 55	20 28	0 42	22 20	0 56	21 5	0 1	2 46	2 25	13 36		n.a.
S 17	7 13	15 2	4 42	11 19	1 26	9 29	1 18	13 40	0 58	7 27	0 46	23 32	0 55	20 28	0 42	22 20	0 56	21 5	0 0	2 45	2 26	13 35		n.a.
M18	6 51	17 7	5 7	10 26	1 18	9 0	1 18	13 53	0 59	7 32	0 46	23 32	0 55	20 27	0 42	22 20	0 56	21 5	0 0	2 45	2 28	13 34		n.a.
T 19	6 28	18 19	5 17	9 31	1 10	8 30	1 17	14 6	0 59	7 37	0 46	23 31	0 55	20 26	0 42	22 20	0 56	21 5	0 0	2 45	2 29	13 32		n.a.
W20	6 5	18 39	5 12	8 35	1 1	8 0	1 16	14 19	0 59	7 41	0 46	23 31	0 56	20 26	0 42	22 20	0 56	21 5	0 0	2 45	2 30	13 31		n.a.
T 21	5 42	18 7	4 54	7 37	0 52	7 30	1 14	14 32	1 0	7 46	0 46	23 30	0 56	20 25	0 42	22 21	0 55	21 5	0 0	2 46	2 32	13 30		n.a.
F 22	5 20	16 48	4 23	6 38	0 42	7 0	1 13	14 44	1 0	7 51	0 45	23 30	0 56	20 24	0 42	22 21	0 55	21 5	0s 0	2 46	2 33	13 28		n.a.
S 23	4 57	14 46	3 41	5 38	0 33	6 30	1 12	14 57	1 0	7 56	0 45	23 29	0 56	20 24	0 42	22 21	0 55	21 5	0 0	2 46	2 34	13 27		n.a.
S 24	4 34	12 7	2 50	4 37	0 22	5 59	1 11	15 9	1 1	8 1	0 45	23 29	0 56	20 23	0 42	22 21	0 55	21 5	0 0	2 47	2 35	13 26		n.a.
M25	4 10	8 58	1 51	3 36	0 12	5 29	1 9	15 22	1 1	8 6	0 45	23 28	0 56	20 23	0 42	22 21	0 55	21 5	0 0	2 47	2 37	13 24		n.a.
T 26	3 47	5 25	0 47	2 34	0 2	4 58	1 8	15 34	1 1	8 11	0 45	23 27	0 57	20 22	0 42	22 21	0 55	21 5	0 0	2 47	2 38	13 23		n.a.
W27	3 24	1 37	0s20	1 32	0n 9	4 27	1 7	15 47	1 1	8 16	0 45	23 27	0 57	20 21	0 42	22 21	0 55	21 6	0 0	2 47	2 39	13 22		n.a.
T 28	3 1	2n17	1 27	0 29	0 20	3 56	1 5	15 59	1 2	8 21	0 44	23 26	0 57	20 21	0 42	22 22	0 55	21 6	0 1	2 47	2 41	13 20		n.a.
F 29	2 38	6 9	2 31	0n32	0 31	3 25	1 4	16 11	1 2	8 26	0 44	23 26	0 57	20 20	0 42	22 22	0 55	21 6	0 1	2 47	2 42	13 19		n.a.
S 30	2 15	9 49	3 28	1 34	0 41	2 54	1 2	16 23	1 2	8 31	0 44	23 25	0 57	20 20	0 42	22 22	0 55	21 6	0 1	2 47	2 43	13 18		n.a.
S 31	1s51	13n 4	4s16	2n35	0n52	2s22	1s 1	16n35	1n 3	8n36	0s44	23s25	0s57	20s19	0s43	22n22	0n55	21s 6	0s 1	2n47	2n44	13s16		n.a.

Julian Day Number = 1104575.5, Delta T = 10h59m05s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'08, Lahiri = -27°15'08 Julian Calendar 1 March 1689 BCE == Greg. Calendar 16 Feb. 1689 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

APRIL 1689 BCE (-1688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 39 44	26♓22'45	29♉50	6♈30	27♓39	12♉11	23♈40	19♑23	3♒59	25°R23	2°R38	23°R 7	23♍10	16♒31	n.a.	M 1
T 2	11 43 40	27°20'23	13♊11	8°33	28°53	12°48	23°53	19°27	4° 1	25♋23	2♐38	23♍ 6	23° 7	16°37	n.a.	T 2
W 3	11 47 37	28°17'59	26°51	10°35	0♈ 6	13°25	24° 6	19°31	4° 3	25°22	2°37	23°D 6	23° 4	16°44	n.a.	W 3
T 4	11 51 34	29°15'33	10♋50	12°33	1°20	14° 2	24°19	19°35	4° 6	25°21	2°37	23° 6	23° 1	16°51	n.a.	T 4
F 5	11 55 30	0♈13'06	25° 6	14°30	2°34	14°38	24°32	19°39	4° 8	25°21	2°36	23° 7	22°57	16°57	n.a.	F 5
S 6	11 59 27	1°10'36	9♌38	16°24	3°47	15°15	24°45	19°43	4°10	25°20	2°36	23° 7	22°54	17° 4	n.a.	S 6
S 7	12 3 23	2° 8'06	24°21	18°15	5° 1	15°52	24°58	19°47	4°12	25°20	2°35	23° 8	22°51	17°11	n.a.	S 7
M 8	12 7 20	3° 5'33	9♍10	20° 4	6°15	16°29	25°11	19°51	4°14	25°20	2°35	23° 9	22°48	17°17	n.a.	M 8
T 9	12 11 16	4° 3'00	23°58	21°49	7°29	17° 6	25°25	19°54	4°17	25°19	2°34	23°R 9	22°45	17°24	n.a.	T 9
W10	12 15 13	5° 0'25	8♎38	23°32	8°42	17°42	25°38	19°58	4°19	25°19	2°34	23° 9	22°41	17°31	n.a.	W10
T 11	12 19 9	5°57'48	23° 3	25°12	9°56	18°19	25°51	20° 2	4°21	25°19	2°33	23° 8	22°38	17°37	n.a.	T 11
F 12	12 23 6	6°55'11	7♏ 8	26°48	11°10	18°56	26° 5	20° 5	4°23	25°18	2°32	23° 6	22°35	17°44	n.a.	F 12
S 13	12 27 2	7°52'33	20°50	28°21	12°23	19°33	26°18	20° 8	4°25	25°18	2°32	23° 4	22°32	17°51	n.a.	S 13
S 14	12 30 59	8°49'54	4♐ 6	29°52	13°37	20°10	26°31	20°12	4°26	25°18	2°31	23° 2	22°29	17°57	n.a.	S 14
M15	12 34 56	9°47'14	17° 0	1♑19	14°51	20°47	26°45	20°15	4°28	25°18	2°30	23° 1	22°26	18° 4	n.a.	M15
T 16	12 38 52	10°44'33	29°32	2°43	16° 4	21°23	26°58	20°18	4°30	25°17	2°29	23° 0	22°22	18°11	n.a.	T 16
W17	12 42 49	11°41'51	11♑46	4° 3	17°18	22° 0	27°12	20°21	4°32	25°17	2°29	22°D59	22°19	18°17	n.a.	W17
T 18	12 46 45	12°39'09	23°48	5°20	18°32	22°37	27°25	20°24	4°34	25°17	2°28	23° 0	22°16	18°24	n.a.	T 18
F 19	12 50 42	13°36'26	5♒41	6°34	19°45	23°14	27°39	20°27	4°35	25°17	2°27	23° 1	22°13	18°31	n.a.	F 19
S 20	12 54 38	14°33'42	17°30	7°45	20°59	23°51	27°52	20°29	4°37	25°17	2°26	23° 2	22°10	18°37	n.a.	S 20
S 21	12 58 35	15°30'58	29°20	8°52	22°12	24°28	28° 6	20°32	4°39	25°D17	2°25	23° 4	22° 7	18°44	n.a.	S 21
M22	13 2 32	16°28'13	11♓14	9°55	23°26	25° 5	28°19	20°34	4°40	25°17	2°24	23° 5	22° 3	18°51	n.a.	M22
T 23	13 6 28	17°25'27	23°17	10°55	24°40	25°42	28°33	20°37	4°42	25°17	2°24	23°R 5	22° 0	18°57	n.a.	T 23
W24	13 10 25	18°22'40	5♈31	11°51	25°53	26°19	28°46	20°39	4°43	25°17	2°23	23° 5	21°57	19° 4	n.a.	W24
T 25	13 14 21	19°19'53	17°58	12°44	27° 7	26°56	29° 0	20°41	4°45	25°17	2°22	23° 3	21°54	19°11	n.a.	T 25
F 26	13 18 18	20°17'05	0♉39	13°33	28°21	27°33	29°14	20°44	4°46	25°17	2°21	23° 0	21°51	19°17	n.a.	F 26
S 27	13 22 14	21°14'16	13°35	14°17	29°34	28°10	29°27	20°46	4°47	25°18	2°20	22°56	21°47	19°24	n.a.	S 27
S 28	13 26 11	22°11'27	26°45	14°58	0♉48	28°47	29°41	20°48	4°49	25°18	2°19	22°51	21°44	19°31	n.a.	S 28
M29	13 30 7	23° 8'36	10♊ 8	15°35	2° 1	29°24	29°55	20°49	4°50	25°18	2°18	22°47	21°41	19°37	n.a.	M29
T 30	13 34 4	24♈ 5'45	23♊45	16♉ 7	3♉15	0♊ 1	0♉ 8	20♑51	4♒51	25♋18	2♐17	22♍43	21♍38	19♒44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1s28	15n45	4s52	3n34	1n 2	1s51	0s59	16n47	1n 3	8n41	0s44	23s24	0s58	20s19	0s43	22n22	0n55	21s 6	0s 1	2n47	2n46	13s15		n.a.
T 2	1 5	17 38	5 13	4 33	1 12	1 20	0 57	16 58	1 3	8 46	0 44	23 24	0 58	20 18	0 43	22 22	0 55	21 6	0 1	2 47	2 47	13 14		n.a.
W 3	0 41	18 34	5 17	5 30	1 21	0 48	0 55	17 10	1 3	8 51	0 44	23 24	0 58	20 18	0 43	22 22	0 55	21 6	0 1	2 47	2 48	13 12		n.a.
T 4	0 18	18 25	5 3	6 26	1 30	0 17	0 54	17 21	1 4	8 56	0 43	23 23	0 58	20 17	0 43	22 22	0 55	21 6	0 1	2 47	2 50	13 11		n.a.
F 5	0n 5	17 6	4 30	7 20	1 39	0n15	0 52	17 33	1 4	9 1	0 43	23 23	0 58	20 17	0 43	22 22	0 55	21 6	0 1	2 47	2 51	13 10		n.a.
S 6	0 29	14 40	3 39	8 12	1 47	0 46	0 50	17 44	1 4	9 6	0 43	23 22	0 58	20 16	0 43	22 22	0 55	21 6	0 1	2 47	2 52	13 8		n.a.
S 7	0 52	11 15	2 33	9 2	1 54	1 18	0 48	17 55	1 4	9 11	0 43	23 22	0 59	20 16	0 43	22 22	0 55	21 6	0 2	2 46	2 53	13 7		n.a.
M 8	1 15	7 6	1 17	9 51	2 1	1 49	0 46	18 6	1 5	9 16	0 43	23 22	0 59	20 15	0 43	22 23	0 55	21 6	0 2	2 46	2 55	13 6		n.a.
T 9	1 38	2 31	0n 5	10 37	2 7	2 21	0 44	18 17	1 5	9 21	0 43	23 21	0 59	20 15	0 43	22 23	0 55	21 6	0 2	2 46	2 56	13 4		n.a.
W10	2 2	2s11	1 25	11 21	2 12	2 52	0 42	18 28	1 5	9 26	0 43	23 21	0 59	20 14	0 43	22 23	0 55	21 6	0 2	2 46	2 57	13 3		n.a.
T 11	2 25	6 41	2 38	12 3	2 17	3 24	0 40	18 39	1 5	9 31	0 42	23 20	0 59	20 14	0 43	22 23	0 55	21 6	0 2	2 47	2 58	13 2		n.a.
F 12	2 48	10 41	3 40	12 42	2 21	3 55	0 38	18 49	1 5	9 36	0 42	23 20	0 59	20 13	0 43	22 23	0 55	21 6	0 2	2 47	3 0	13 0		n.a.
S 13	3 11	14 0	4 28	13 20	2 24	4 26	0 36	19 0	1 6	9 41	0 42	23 20	1 0	20 13	0 43	22 23	0 55	21 6	0 2	2 48	3 1	12 59		n.a.
S 14	3 34	16 28	4 59	13 55	2 27	4 57	0 34	19 10	1 6	9 46	0 42	23 19	1 0	20 12	0 43	22 23	0 55	21 5	0 2	2 49	3 2	12 58		n.a.
M15	3 57	18 1	5 15	14 28	2 29	5 28	0 32	19 21	1 6	9 51	0 42	23 19	1 0	20 12	0 43	22 23	0 55	21 5	0 2	2 49	3 4	12 56		n.a.
T 16	4 20	18 39	5 14	14 58	2 29	5 59	0 29	19 31	1 6	9 56	0 42	23 19	1 0	20 11	0 43	22 23	0 55	21 5	0 2	2 50	3 5	12 55		n.a.
W17	4 43	18 23	4 59	15 27	2 30	6 30	0 27	19 41	1 6	10 1	0 42	23 19	1 0	20 11	0 43	22 23	0 55	21 5	0 3	2 50	3 6	12 53		n.a.
T 18	5 5	17 17	4 32	15 53	2 29	7 1	0 25	19 51	1 7	10 6	0 42	23 18	1 1	20 11	0 43	22 23	0 55	21 5	0 3	2 50	3 7	12 52		n.a.
F 19	5 28	15 27	3 53	16 17	2 28	7 31	0 23	20 0	1 7	10 11	0 41	23 18	1 1	20 10	0 43	22 23	0 55	21 5	0 3	2 49	3 9	12 51		n.a.
S 20	5 51	12 58	3 4	16 38	2 25	8 1	0 20	20 10	1 7	10 16	0 41	23 18	1 1	20 10	0 43	22 23	0 55	21 5	0 3	2 49	3 10	12 49		n.a.
S 21	6 13	9 56	2 7	16 58	2 22	8 32	0 18	20 20	1 7	10 21	0 41	23 18	1 1	20 10	0 43	22 23	0 55	21 5	0 3	2 48	3 11	12 48		n.a.
M22	6 36	6 29	1 5	17 15	2 18	9 2	0 16	20 29	1 7	10 26	0 41	23 17	1 1	20 9	0 43	22 23	0 55	21 5	0 3	2 48	3 13	12 47		n.a.
T 23	6 58	2 44	0s 1	17 29	2 14	9 31	0 13	20 38	1 8	10 31	0 41	23 17	1 1	20 9	0 43	22 23	0 55	21 5	0 3	2 48	3 14	12 45		n.a.
W24	7 20	1n12	1 8	17 42	2 8	10 1	0 11	20 47	1 8	10 36	0 41	23 17	1 2	20 9	0 43	22 23	0 55	21 5	0 3	2 48	3 15	12 44		n.a.
T 25	7 42	5 8	2 13	17 53	2 2	10 30	0 9	20 56	1 8	10 41	0 41	23 17	1 2	20 8	0 43	22 23	0 55	21 5	0 3	2 49	3 16	12 42		n.a.
F 26	8 4	8 56	3 12	18 1	1 54	10 59	0 6	21 5	1 8	10 46	0 41	23 17	1 2	20 8	0 43	22 23	0 55	21 5	0 3	2 50	3 18	12 41		n.a.
S 27	8 26	12 22	4 2	18 7	1 46	11 28	0 4	21 14	1 8	10 51	0 40	23 17	1 2	20 8	0 43	22 23	0 55	21 4	0 3	2 51	3 19	12 40		n.a.
S 28	8 48	15 14	4 41	18 11	1 38	11 57	0 1	21 22	1 8	10 56	0 40	23 16	1 2	20 7	0 43	22 23	0 55	21 4	0 4	2 53	3 20	12 38		n.a.
M29	9 9	17 21	5 5	18 13	1 28	12 25	0n 1	21 31	1 9	11 1	0 40	23 16	1 3	20 7	0 44	22 22	0 55	21 4	0 4	2 55	3 21	12 37		n.a.
T 30	9n31	18n32	5s13	18n12	1n17	12n53	0n 3	21n39	1n 9	11n 6	0s40	23s16	1s 3	20s 7	0s44	22n22	0n55	21s 4	0s 4	2n56	3n23	12s35		n.a.

Julian Day Number = 1104606.5, Delta T = 10h59m03s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'04, Lahiri = -27°15'04 Julian Calendar 1 Apr. 1689 BCE == Greg. Calendar 18 March 1689 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

MAY 1689 BCE (-1688) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 38 1	25♈ 2'53	7♋33	16♉35	4♉29	0♊38	0♉22	20♑53	4♒52	25♋19	2°R15	22°R41	21♍35	19♒51	n.a.	W 1
T 2	13 41 57	26° 0'01	21°31	16°59	5°42	1°16	0°36	20°54	4°53	25°19	2♐14	22°D40	21°32	19°57	n.a.	T 2
F 3	13 45 54	26°57'07	5♌39	17°18	6°56	1°53	0°49	20°56	4°54	25°19	2°13	22♍40	21°28	20° 4	n.a.	F 3
S 4	13 49 50	27°54'13	19°55	17°33	8° 9	2°30	1° 3	20°57	4°55	25°20	2°12	22°41	21°25	20°11	n.a.	S 4
S 5	13 53 47	28°51'18	4♍16	17°43	9°23	3° 7	1°17	20°58	4°56	25°20	2°11	22°42	21°22	20°17	n.a.	S 5
M 6	13 57 43	29°48'22	18°41	17°49	10°36	3°44	1°30	21° 0	4°57	25°21	2°10	22°R43	21°19	20°24	n.a.	M 6
T 7	14 1 40	0♎45'25	3♎ 4	17°R50	11°50	4°21	1°44	21° 1	4°58	25°21	2° 9	22°43	21°16	20°31	n.a.	T 7
W 8	14 5 36	1°42'28	17°21	17°47	13° 3	4°58	1°58	21° 2	4°59	25°22	2° 7	22°41	21°12	20°37	n.a.	W 8
T 9	14 9 33	2°39'31	1♏28	17°39	14°17	5°36	2°11	21° 3	5° 0	25°22	2° 6	22°37	21° 9	20°44	n.a.	T 9
F 10	14 13 30	3°36'34	15°21	17°27	15°31	6°13	2°25	21° 3	5° 1	25°23	2° 5	22°31	21° 6	20°51	n.a.	F 10
S 11	14 17 26	4°33'36	28°55	17°11	16°44	6°50	2°39	21° 4	5° 1	25°24	2° 4	22°25	21° 3	20°57	n.a.	S 11
S 12	14 21 23	5°30'38	12♐ 8	16°51	17°58	7°27	2°52	21° 5	5° 2	25°24	2° 2	22°18	21° 0	21° 4	n.a.	S 12
M13	14 25 19	6°27'40	25° 0	16°27	19°11	8° 5	3° 6	21° 5	5° 3	25°25	2° 1	22°11	20°57	21°11	n.a.	M13
T 14	14 29 16	7°24'43	7♑32	16° 0	20°25	8°42	3°20	21° 5	5° 3	25°26	2° 0	22° 6	20°53	21°17	n.a.	T 14
W15	14 33 12	8°21'45	19°48	15°30	21°38	9°19	3°33	21° 6	5° 4	25°26	1°59	22° 2	20°50	21°24	n.a.	W15
T 16	14 37 9	9°18'48	1♒50	14°58	22°52	9°56	3°47	21° 6	5° 4	25°27	1°57	22° 1	20°47	21°31	n.a.	T 16
F 17	14 41 6	10°15'51	13°43	14°24	24° 5	10°34	4° 1	21°R 6	5° 5	25°28	1°56	22°D 0	20°44	21°37	n.a.	F 17
S 18	14 45 2	11°12'54	25°32	13°49	25°19	11°11	4°14	21° 6	5° 5	25°29	1°55	22° 1	20°41	21°44	n.a.	S 18
S 19	14 48 59	12° 9'57	7♓24	13°13	26°32	11°48	4°28	21° 6	5° 5	25°30	1°53	22° 2	20°38	21°51	n.a.	S 19
M20	14 52 55	13° 7'01	19°21	12°37	27°46	12°26	4°42	21° 5	5° 5	25°31	1°52	22°R 3	20°34	21°57	n.a.	M20
T 21	14 56 52	14° 4'05	1♈30	12° 1	28°59	13° 3	4°55	21° 5	5° 6	25°32	1°51	22° 3	20°31	22° 4	n.a.	T 21
W22	15 0 48	15° 1'09	13°53	11°27	0♊13	13°41	5° 9	21° 5	5° 6	25°33	1°49	22° 0	20°28	22°11	n.a.	W22
T 23	15 4 45	15°58'14	26°34	10°54	1°26	14°18	5°22	21° 4	5° 6	25°34	1°48	21°56	20°25	22°17	n.a.	T 23
F 24	15 8 41	16°55'19	9♉34	10°23	2°40	14°56	5°36	21° 3	5° 6	25°35	1°46	21°49	20°22	22°24	n.a.	F 24
S 25	15 12 38	17°52'24	22°52	9°56	3°53	15°33	5°49	21° 3	5°R 6	25°36	1°45	21°41	20°18	22°31	n.a.	S 25
S 26	15 16 35	18°49'30	6♊26	9°32	5° 7	16°11	6° 3	21° 2	5° 6	25°37	1°44	21°32	20°15	22°37	n.a.	S 26
M27	15 20 31	19°46'36	20°15	9°11	6°20	16°48	6°16	21° 1	5° 6	25°38	1°42	21°22	20°12	22°44	n.a.	M27
T 28	15 24 28	20°43'42	4♋14	8°55	7°34	17°26	6°30	21° 0	5° 6	25°39	1°41	21°14	20° 9	22°51	n.a.	T 28
W29	15 28 24	21°40'48	18°20	8°43	8°47	18° 3	6°43	20°59	5° 6	25°40	1°39	21° 8	20° 6	22°57	n.a.	W29
T 30	15 32 21	22°37'55	2♌29	8°36	10° 1	18°41	6°57	20°58	5° 5	25°41	1°38	21° 4	20° 3	23° 4	n.a.	T 30
F 31	15 36 17	23♉35'01	16♌39	8°D34	11♊14	19♊18	7♉10	20♑56	5♒ 5	25♋43	1♐36	21♍ 3	19♍59	23♒11	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	9n52	18n38	5s 2	18n10	1n 6	13n21	0n 6	21n47	1n 9	11n11	0s40	23s16	1s 3	20s 7	0s44	22n22	0n55	21s 4	0s 4	2n57	3n24	12s34			n.a.
T 2	10 14	17 37	4 34	18 5	0 54	13 48	0 8	21 55	1 9	11 16	0 40	23 16	1 3	20 6	0 44	22 22	0 55	21 4	0 4	2 58	3 25	12 33			n.a.
F 3	10 35	15 31	3 49	17 59	0 42	14 15	0 11	22 3	1 9	11 21	0 40	23 16	1 3	20 6	0 44	22 22	0 55	21 4	0 4	2 58	3 27	12 31			n.a.
S 4	10 55	12 26	2 50	17 50	0 28	14 42	0 13	22 11	1 9	11 26	0 40	23 16	1 4	20 6	0 44	22 22	0 55	21 4	0 4	2 57	3 28	12 30			n.a.
S 5	11 16	8 35	1 39	17 40	0 14	15 8	0 15	22 18	1 9	11 31	0 40	23 16	1 4	20 6	0 44	22 22	0 55	21 3	0 4	2 57	3 29	12 28			n.a.
M 6	11 37	4 13	0 22	17 27	0s 0	15 34	0 18	22 26	1 10	11 36	0 40	23 16	1 4	20 6	0 44	22 22	0 55	21 3	0 4	2 56	3 30	12 27			n.a.
T 7	11 57	0s23	0n56	17 13	0 16	15 59	0 20	22 33	1 10	11 41	0 39	23 16	1 4	20 5	0 44	22 22	0 55	21 3	0 4	2 57	3 32	12 26			n.a.
W 8	12 17	4 56	2 10	16 57	0 31	16 25	0 23	22 40	1 10	11 46	0 39	23 16	1 4	20 5	0 44	22 22	0 55	21 3	0 5	2 57	3 33	12 24			n.a.
T 9	12 37	9 10	3 15	16 40	0 47	16 49	0 25	22 47	1 10	11 51	0 39	23 16	1 5	20 5	0 44	22 21	0 55	21 3	0 5	2 59	3 34	12 23			n.a.
F 10	12 57	12 48	4 7	16 21	1 3	17 14	0 27	22 54	1 10	11 56	0 39	23 16	1 5	20 5	0 44	22 21	0 55	21 3	0 5	3 1	3 35	12 21			n.a.
S 11	13 17	15 41	4 44	16 0	1 20	17 37	0 30	23 1	1 10	12 0	0 39	23 16	1 5	20 5	0 44	22 21	0 55	21 3	0 5	3 4	3 37	12 20			n.a.
S 12	13 36	17 38	5 4	15 39	1 36	18 1	0 32	23 7	1 10	12 5	0 39	23 16	1 5	20 5	0 44	22 21	0 55	21 2	0 5	3 7	3 38	12 19			n.a.
M13	13 56	18 39	5 9	15 16	1 53	18 24	0 34	23 13	1 10	12 10	0 39	23 17	1 5	20 4	0 44	22 21	0 55	21 2	0 5	3 9	3 39	12 17			n.a.
T 14	14 15	18 42	4 58	14 53	2 9	18 46	0 37	23 20	1 10	12 15	0 39	23 17	1 6	20 4	0 44	22 21	0 55	21 2	0 5	3 11	3 41	12 16			n.a.
W15	14 33	17 53	4 34	14 30	2 24	19 8	0 39	23 26	1 11	12 20	0 39	23 17	1 6	20 4	0 44	22 21	0 55	21 2	0 5	3 13	3 42	12 14			n.a.
T 16	14 52	16 16	3 58	14 6	2 39	19 30	0 41	23 31	1 11	12 25	0 39	23 17	1 6	20 4	0 44	22 20	0 55	21 2	0 5	3 14	3 43	12 13			n.a.
F 17	15 10	13 57	3 12	13 42	2 54	19 51	0 43	23 37	1 11	12 29	0 39	23 17	1 6	20 4	0 44	22 20	0 55	21 2	0 5	3 14	3 44	12 11			n.a.
S 18	15 29	11 5	2 18	13 18	3 7	20 11	0 46	23 43	1 11	12 34	0 38	23 17	1 6	20 4	0 44	22 20	0 54	21 1	0 6	3 13	3 46	12 10			n.a.
S 19	15 46	7 45	1 18	12 55	3 20	20 31	0 48	23 48	1 11	12 39	0 38	23 18	1 7	20 4	0 44	22 20	0 54	21 1	0 6	3 13	3 47	12 9			n.a.
M20	16 4	4 4	0 15	12 33	3 32	20 50	0 50	23 53	1 11	12 44	0 38	23 18	1 7	20 4	0 44	22 20	0 54	21 1	0 6	3 13	3 48	12 7			n.a.
T 21	16 22	0 10	0s51	12 13	3 42	21 9	0 52	23 58	1 11	12 48	0 38	23 18	1 7	20 4	0 44	22 20	0 54	21 1	0 6	3 13	3 49	12 6			n.a.
W22	16 39	3n49	1 55	11 54	3 51	21 27	0 54	24 3	1 11	12 53	0 38	23 18	1 7	20 4	0 44	22 19	0 54	21 1	0 6	3 14	3 51	12 4			n.a.
T 23	16 56	7 44	2 55	11 36	3 59	21 45	0 56	24 7	1 11	12 58	0 38	23 19	1 7	20 4	0 44	22 19	0 54	21 0	0 6	3 16	3 52	12 3			n.a.
F 24	17 12	11 22	3 47	11 21	4 5	22 2	0 58	24 12	1 11	13 2	0 38	23 19	1 8	20 4	0 45	22 19	0 54	21 0	0 6	3 18	3 53	12 1			n.a.
S 25	17 29	14 31	4 28	11 7	4 9	22 18	1 0	24 16	1 11	13 7	0 38	23 19	1 8	20 4	0 45	22 19	0 54	21 0	0 6	3 22	3 55	12 0			n.a.
S 26	17 45	16 57	4 55	10 57	4 13	22 34	1 2	24 20	1 11	13 12	0 38	23 20	1 8	20 4	0 45	22 18	0 54	21 0	0 6	3 25	3 56	11 58			n.a.
M27	18 1	18 27	5 5	10 48	4 15	22 49	1 4	24 24	1 12	13 16	0 38	23 20	1 8	20 4	0 45	22 18	0 54	21 0	0 6	3 29	3 57	11 57			n.a.
T 28	18 16	18 52	4 57	10 43	4 15	23 4	1 6	24 28	1 12	13 21	0 38	23 20	1 8	20 4	0 45	22 18	0 54	20 59	0 6	3 32	3 58	11 56			n.a.
W29	18 31	18 7	4 32	10 40	4 14	23 18	1 8	24 32	1 12	13 25	0 38	23 21	1 9	20 4	0 45	22 18	0 54	20 59	0 7	3 35	4 0	11 54			n.a.
T 30	18 46	16 15	3 49	10 40	4 12	23 31	1 9	24 35	1 12	13 30	0 37	23 21	1 9	20 4	0 45	22 18	0 54	20 59	0 7	3 36	4 1	11 53			n.a.
F 31	19n 1	13n24	2s53	10n43	4s 8	23n43	1n11	24n38	1n12	13n34	0s37	23s21	1s 9	20s 5	0s45	22n17	0n54	20s59	0s 7	3n37	4n 2	11s51			n.a.

Julian Day Number = 1104636.5, Delta T = 10h59m02s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°22'00, Lahiri = -27°15'00 Julian Calendar 1 May 1689 BCE == Greg. Calendar 17 Apr. 1689 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

JUNE 1689 BCE (-1688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 40 14	24♉32'08	0♍48	8♉37	12♊27	19♊56	7♉23	20°R55	5°R 5	25♋44	1°R35	21°D 3	19♍56	23♒17	n.a.	S 1
S 2	15 44 11	25°29'14	14°55	8°46	13°41	20°33	7°37	20♏53	5♒ 5	25°45	1♐34	21°R 3	19°53	23°24	n.a.	S 2
M 3	15 48 7	26°26'22	28°58	8°59	14°54	21°11	7°50	20°52	5° 4	25°47	1°32	21♍ 3	19°50	23°31	n.a.	M 3
T 4	15 52 4	27°23'29	12♎57	9°19	16° 8	21°49	8° 3	20°50	5° 4	25°48	1°31	21° 1	19°47	23°37	n.a.	T 4
W 5	15 56 0	28°20'37	26°49	9°44	17°21	22°26	8°17	20°48	5° 3	25°49	1°29	20°57	19°44	23°44	n.a.	W 5
T 6	15 59 57	29°17'45	10♏32	10°14	18°35	23° 4	8°30	20°46	5° 3	25°51	1°28	20°50	19°40	23°51	n.a.	T 6
F 7	16 3 53	0♊14'54	24° 4	10°50	19°48	23°42	8°43	20°44	5° 2	25°52	1°26	20°41	19°37	23°57	n.a.	F 7
S 8	16 7 50	1°12'04	7♐21	11°31	21° 1	24°19	8°56	20°42	5° 1	25°53	1°25	20°30	19°34	24° 4	n.a.	S 8
S 9	16 11 46	2° 9'14	20°22	12°18	22°15	24°57	9° 9	20°40	5° 1	25°55	1°23	20°18	19°31	24°11	n.a.	S 9
M10	16 15 43	3° 6'26	3♑ 6	13°10	23°28	25°35	9°22	20°38	5° 0	25°56	1°22	20° 7	19°28	24°17	n.a.	M10
T 11	16 19 40	4° 3'38	15°33	14° 7	24°41	26°13	9°35	20°35	4°59	25°58	1°20	19°57	19°24	24°24	n.a.	T 11
W12	16 23 36	5° 0'51	27°45	15°10	25°55	26°51	9°48	20°33	4°58	25°59	1°19	19°50	19°21	24°31	n.a.	W12
T 13	16 27 33	5°58'06	9♒46	16°18	27° 8	27°28	10° 1	20°30	4°58	26° 1	1°17	19°45	19°18	24°37	n.a.	T 13
F 14	16 31 29	6°55'21	21°38	17°31	28°21	28° 6	10°14	20°28	4°57	26° 3	1°16	19°42	19°15	24°44	n.a.	F 14
S 15	16 35 26	7°52'38	3♓27	18°48	29°35	28°44	10°27	20°25	4°56	26° 4	1°15	19°41	19°12	24°51	n.a.	S 15
S 16	16 39 22	8°49'56	15°18	20°11	0♋48	29°22	10°40	20°22	4°55	26° 6	1°13	19°41	19° 9	24°57	n.a.	S 16
M17	16 43 19	9°47'15	27°16	21°38	2° 1	29°59	10°52	20°19	4°54	26° 7	1°12	19°41	19° 5	25° 4	n.a.	M17
T 18	16 47 15	10°44'36	9♈27	23°10	3°15	0♋38	11° 5	20°16	4°53	26° 9	1°10	19°40	19° 2	25°11	n.a.	T 18
W19	16 51 12	11°41'57	21°56	24°46	4°28	1°16	11°18	20°13	4°51	26°11	1° 9	19°36	18°59	25°17	n.a.	W19
T 20	16 55 9	12°39'21	4♉45	26°25	5°41	1°54	11°30	20°10	4°50	26°12	1° 7	19°31	18°56	25°24	n.a.	T 20
F 21	16 59 5	13°36'45	17°58	28° 9	6°55	2°32	11°43	20° 7	4°49	26°14	1° 6	19°22	18°53	25°31	n.a.	F 21
S 22	17 3 2	14°34'11	1♊34	29°56	8° 8	3°10	11°56	20° 4	4°48	26°16	1° 5	19°12	18°49	25°37	n.a.	S 22
S 23	17 6 58	15°31'38	15°32	1♊46	9°21	3°48	12° 8	20° 1	4°46	26°18	1° 3	19° 0	18°46	25°44	n.a.	S 23
M24	17 10 55	16°29'06	29°46	3°39	10°35	4°26	12°20	19°57	4°45	26°20	1° 2	18°48	18°43	25°51	n.a.	M24
T 25	17 14 51	17°26'36	14♋11	5°35	11°48	5° 4	12°33	19°54	4°44	26°21	1° 0	18°38	18°40	25°57	n.a.	T 25
W26	17 18 48	18°24'07	28°41	7°32	13° 1	5°42	12°45	19°50	4°42	26°23	0°59	18°30	18°37	26° 4	n.a.	W26
T 27	17 22 45	19°21'38	13♌10	9°32	14°14	6°20	12°57	19°47	4°41	26°25	0°58	18°25	18°34	26°11	n.a.	T 27
F 28	17 26 41	20°19'11	27°32	11°32	15°28	6°59	13° 9	19°43	4°39	26°27	0°56	18°22	18°30	26°17	n.a.	F 28
S 29	17 30 38	21°16'45	11♍46	13°34	16°41	7°37	13°22	19°39	4°38	26°29	0°55	18°21	18°27	26°24	n.a.	S 29
S 30	17 34 34	22♊14'20	25♍49	15♊37	17♋54	8♋15	13♉34	19♏35	4♒36	26♋31	0♐54	18♍21	18♍24	26♒31	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n15	9n45	1s46	10n48	4s 3	23n55	1n13	24n41	1n12	13n39	0s37	23s22	1s 9	20s 5	0s45	22n17	0n54	20s59	0s 7	3n37	4n 3	11s50		n.a.
S 2	19 30	5 33	0 33	10 57	3 57	24 6	1 14	24 44	1 12	13 43	0 37	23 22	1 9	20 5	0 45	22 17	0 54	20 58	0 7	3 37	4 5	11 48		n.a.
M 3	19 43	1 3	0n42	11 8	3 50	24 16	1 16	24 47	1 12	13 48	0 37	23 23	1 9	20 5	0 45	22 17	0 54	20 58	0 7	3 37	4 6	11 47		n.a.
T 4	19 57	3s28	1 54	11 21	3 42	24 26	1 18	24 50	1 12	13 52	0 37	23 23	1 10	20 5	0 45	22 16	0 54	20 58	0 7	3 37	4 7	11 45		n.a.
W 5	20 10	7 46	2 58	11 38	3 34	24 35	1 19	24 52	1 12	13 57	0 37	23 24	1 10	20 5	0 45	22 16	0 54	20 58	0 7	3 39	4 9	11 44		n.a.
T 6	20 23	11 36	3 51	11 56	3 24	24 43	1 20	24 54	1 12	14 1	0 37	23 24	1 10	20 5	0 45	22 16	0 54	20 58	0 7	3 42	4 10	11 42		n.a.
F 7	20 35	14 46	4 31	12 18	3 13	24 51	1 22	24 56	1 12	14 5	0 37	23 25	1 10	20 6	0 45	22 15	0 54	20 57	0 7	3 46	4 11	11 41		n.a.
S 8	20 47	17 7	4 54	12 41	3 2	24 58	1 23	24 58	1 12	14 10	0 37	23 25	1 10	20 6	0 45	22 15	0 54	20 57	0 8	3 50	4 12	11 39		n.a.
S 9	20 59	18 31	5 2	13 6	2 51	25 4	1 24	24 59	1 12	14 14	0 37	23 26	1 11	20 6	0 45	22 15	0 54	20 57	0 8	3 55	4 14	11 38		n.a.
M10	21 10	18 57	4 54	13 34	2 39	25 9	1 26	25 1	1 12	14 18	0 37	23 26	1 11	20 6	0 45	22 15	0 54	20 57	0 8	3 59	4 15	11 36		n.a.
T 11	21 21	18 27	4 33	14 3	2 26	25 13	1 27	25 2	1 12	14 23	0 37	23 27	1 11	20 6	0 45	22 14	0 54	20 57	0 8	4 3	4 16	11 35		n.a.
W12	21 32	17 6	3 59	14 34	2 13	25 17	1 28	25 3	1 12	14 27	0 37	23 27	1 11	20 7	0 45	22 14	0 54	20 56	0 8	4 6	4 17	11 33		n.a.
T 13	21 42	15 0	3 15	15 6	2 0	25 20	1 29	25 4	1 12	14 31	0 37	23 28	1 11	20 7	0 45	22 14	0 54	20 56	0 8	4 8	4 19	11 32		n.a.
F 14	21 52	12 18	2 23	15 40	1 47	25 22	1 30	25 5	1 12	14 35	0 37	23 29	1 12	20 7	0 45	22 13	0 54	20 56	0 8	4 9	4 20	11 31		n.a.
S 15	22 2	9 7	1 25	16 15	1 33	25 24	1 31	25 5	1 12	14 39	0 36	23 29	1 12	20 7	0 45	22 13	0 54	20 56	0 8	4 9	4 21	11 29		n.a.
S 16	22 11	5 33	0 23	16 51	1 20	25 25	1 31	25 5	1 12	14 43	0 36	23 30	1 12	20 8	0 45	22 13	0 54	20 56	0 8	4 9	4 22	11 28		n.a.
M17	22 20	1 43	0s40	17 27	1 6	25 25	1 32	25 5	1 12	14 48	0 36	23 30	1 12	20 8	0 45	22 12	0 54	20 55	0 8	4 10	4 24	11 26		n.a.
T 18	22 29	2n14	1 43	18 4	0 53	25 24	1 33	25 5	1 12	14 52	0 36	23 31	1 12	20 8	0 45	22 12	0 54	20 55	0 9	4 10	4 25	11 25		n.a.
W19	22 37	6 12	2 42	18 41	0 39	25 22	1 34	25 5	1 12	14 56	0 36	23 32	1 12	20 9	0 46	22 12	0 54	20 55	0 9	4 11	4 26	11 23		n.a.
T 20	22 44	9 59	3 35	19 17	0 26	25 20	1 34	25 5	1 12	15 0	0 36	23 32	1 13	20 9	0 46	22 11	0 54	20 55	0 9	4 14	4 28	11 22		n.a.
F 21	22 52	13 23	4 17	19 54	0 14	25 17	1 35	25 4	1 12	15 4	0 36	23 33	1 13	20 9	0 46	22 11	0 54	20 54	0 9	4 17	4 29	11 20		n.a.
S 22	22 59	16 11	4 47	20 30	0 1	25 13	1 35	25 3	1 12	15 8	0 36	23 34	1 13	20 10	0 46	22 11	0 54	20 54	0 9	4 21	4 30	11 19		n.a.
S 23	23 5	18 7	5 0	21 5	0n11	25 8	1 35	25 2	1 12	15 12	0 36	23 34	1 13	20 10	0 46	22 10	0 54	20 54	0 9	4 26	4 31	11 17		n.a.
M24	23 11	18 58	4 55	21 38	0 22	25 3	1 36	25 1	1 12	15 15	0 36	23 35	1 13	20 10	0 46	22 10	0 54	20 54	0 9	4 31	4 33	11 16		n.a.
T 25	23 17	18 37	4 32	22 10	0 33	24 57	1 36	24 59	1 12	15 19	0 36	23 36	1 13	20 11	0 46	22 10	0 54	20 54	0 9	4 35	4 34	11 14		n.a.
W26	23 22	17 3	3 51	22 41	0 43	24 50	1 36	24 58	1 12	15 23	0 36	23 36	1 14	20 11	0 46	22 9	0 54	20 53	0 9	4 38	4 35	11 13		n.a.
T 27	23 27	14 24	2 55	23 9	0 52	24 42	1 36	24 56	1 12	15 27	0 36	23 37	1 14	20 11	0 46	22 9	0 54	20 53	0 9	4 40	4 36	11 11		n.a.
F 28	23 32	10 52	1 48	23 36	1 1	24 34	1 36	24 54	1 12	15 31	0 36	23 38	1 14	20 12	0 46	22 8	0 54	20 53	0 9	4 41	4 38	11 9		n.a.
S 29	23 36	6 45	0 35	24 0	1 9	24 25	1 36	24 52	1 12	15 35	0 36	23 38	1 14	20 12	0 46	22 8	0 54	20 53	0 10	4 41	4 39	11 8		n.a.
S 30	23n39	2n18	0n39	24n22	1n16	24n15	1n36	24n49	1n12	15n38	0s36	23s39	1s14	20s13	0s46	22n 8	0n54	20s53	0s10	4n41	4n40	11s 6		n.a.

Julian Day Number = 1104667.5, Delta T = 10h59m00s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'56, Lahiri = -27°14'55 Julian Calendar 1 June 1689 BCE == Greg. Calendar 18 May 1689 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

JULY 1689 BCE (-1688) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 38 31	23♊11'56	9♎41	17♊39	19♋ 7	8♋53	13♉46	19°R31	4°R35	26♋33	0°R52	18°R20	18♍21	26♒37	n.a.	M 1
T 2	17 42 27	24° 9'33	23°23	19°42	20°20	9°32	13°57	19♑28	4♒33	26°35	0♐51	18♍18	18°18	26°44	n.a.	T 2
W 3	17 46 24	25° 7'11	6♏53	21°45	21°33	10°10	14° 9	19°24	4°31	26°36	0°50	18°13	18°15	26°50	n.a.	W 3
T 4	17 50 20	26° 4'51	20°13	23°47	22°47	10°48	14°21	19°20	4°30	26°38	0°48	18° 6	18°11	26°57	n.a.	T 4
F 5	17 54 17	27° 2'32	3♐22	25°49	24° 0	11°26	14°33	19°15	4°28	26°40	0°47	17°55	18° 8	27° 4	n.a.	F 5
S 6	17 58 14	28° 0'15	16°18	27°50	25°13	12° 5	14°44	19°11	4°26	26°42	0°46	17°43	18° 5	27°10	n.a.	S 6
S 7	18 2 10	28°57'59	29° 2	29°50	26°26	12°43	14°56	19° 7	4°24	26°44	0°44	17°31	18° 2	27°17	n.a.	S 7
M 8	18 6 7	29°55'44	11♑32	1♋49	27°39	13°22	15° 7	19° 3	4°23	26°46	0°43	17°18	17°59	27°24	n.a.	M 8
T 9	18 10 3	0♋53'32	23°50	3°47	28°52	14° 0	15°19	18°59	4°21	26°49	0°42	17° 7	17°55	27°30	n.a.	T 9
W10	18 14 0	1°51'21	5♒56	5°44	0♌ 5	14°39	15°30	18°54	4°19	26°51	0°41	16°59	17°52	27°37	n.a.	W10
T 11	18 17 56	2°49'12	17°52	7°40	1°18	15°17	15°41	18°50	4°17	26°53	0°40	16°53	17°49	27°44	n.a.	T 11
F 12	18 21 53	3°47'04	29°41	9°34	2°31	15°56	15°53	18°46	4°15	26°55	0°38	16°49	17°46	27°50	n.a.	F 12
S 13	18 25 49	4°44'59	11♓29	11°28	3°44	16°34	16° 4	18°41	4°13	26°57	0°37	16°D48	17°43	27°57	n.a.	S 13
S 14	18 29 46	5°42'56	23°18	13°20	4°57	17°13	16°15	18°37	4°11	26°59	0°36	16°48	17°40	28° 4	n.a.	S 14
M15	18 33 43	6°40'54	5♈15	15°10	6°10	17°51	16°26	18°32	4° 9	27° 1	0°35	16°R48	17°36	28°10	n.a.	M15
T 16	18 37 39	7°38'55	17°26	17° 0	7°23	18°30	16°36	18°28	4° 7	27° 3	0°34	16°48	17°33	28°17	n.a.	T 16
W17	18 41 36	8°36'58	29°54	18°48	8°36	19° 9	16°47	18°23	4° 5	27° 5	0°33	16°46	17°30	28°24	n.a.	W17
T 18	18 45 32	9°35'03	12♉45	20°35	9°48	19°47	16°58	18°19	4° 3	27° 7	0°32	16°41	17°27	28°30	n.a.	T 18
F 19	18 49 29	10°33'10	26° 3	22°20	11° 1	20°26	17° 8	18°14	4° 1	27°10	0°31	16°35	17°24	28°37	n.a.	F 19
S 20	18 53 25	11°31'19	9♊48	24° 4	12°14	21° 5	17°19	18°10	3°58	27°12	0°30	16°26	17°21	28°44	n.a.	S 20
S 21	18 57 22	12°29'30	23°58	25°47	13°27	21°44	17°29	18° 5	3°56	27°14	0°29	16°16	17°17	28°50	n.a.	S 21
M22	19 1 18	13°27'43	8♋30	27°29	14°40	22°23	17°39	18° 0	3°54	27°16	0°28	16° 7	17°14	28°57	n.a.	M22
T 23	19 5 15	14°25'59	23°18	29°10	15°53	23° 1	17°50	17°56	3°52	27°18	0°27	15°58	17°11	29° 4	n.a.	T 23
W24	19 9 12	15°24'16	8♌11	0♌49	17° 5	23°40	18° 0	17°51	3°50	27°20	0°26	15°51	17° 8	29°10	n.a.	W24
T 25	19 13 8	16°22'34	23° 3	2°27	18°18	24°19	18°10	17°47	3°47	27°23	0°25	15°47	17° 5	29°17	n.a.	T 25
F 26	19 17 5	17°20'55	7♍45	4° 4	19°31	24°58	18°19	17°42	3°45	27°25	0°24	15°45	17° 1	29°24	n.a.	F 26
S 27	19 21 1	18°19'17	22°13	5°40	20°43	25°37	18°29	17°37	3°43	27°27	0°23	15°D44	16°58	29°30	n.a.	S 27
S 28	19 24 58	19°17'41	6♎24	7°15	21°56	26°16	18°39	17°33	3°40	27°29	0°22	15°45	16°55	29°37	n.a.	S 28
M29	19 28 54	20°16'07	20°17	8°48	23° 9	26°55	18°48	17°28	3°38	27°31	0°22	15°R46	16°52	29°44	n.a.	M29
T 30	19 32 51	21°14'34	3♏51	10°20	24°21	27°34	18°58	17°23	3°36	27°34	0°21	15°45	16°49	29°50	n.a.	T 30
W31	19 36 47	22♋13'04	17♏10	11♌52	25♌34	28♋13	19♉ 7	17♑19	3♒33	27♋36	0♐20	15♍42	16♍46	29♒57	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23n43	2s13	1n50	24n41	1n23	24n 4	1n36	24n47	1n12	15n42	0s36	23s40	1s14	20s13	0s46	22n 7	0n54	20s53	0s10	4n42	4n41	11s 5			n.a.
T 2	23 45	6 33	2 54	24 57	1 29	23 53	1 35	24 44	1 12	15 46	0 36	23 41	1 15	20 14	0 46	22 7	0 54	20 52	0 10	4 43	4 43	11 3			n.a.
W 3	23 48	10 30	3 47	25 11	1 34	23 41	1 35	24 41	1 12	15 49	0 36	23 41	1 15	20 14	0 46	22 7	0 54	20 52	0 10	4 45	4 44	11 2			n.a.
T 4	23 50	13 51	4 27	25 22	1 38	23 29	1 34	24 38	1 12	15 53	0 36	23 42	1 15	20 14	0 46	22 6	0 54	20 52	0 10	4 48	4 45	11 0			n.a.
F 5	23 51	16 27	4 51	25 30	1 41	23 15	1 34	24 34	1 12	15 56	0 35	23 43	1 15	20 15	0 46	22 6	0 54	20 52	0 10	4 52	4 47	10 59			n.a.
S 6	23 52	18 11	5 1	25 36	1 44	23 1	1 33	24 31	1 12	16 0	0 35	23 43	1 15	20 15	0 46	22 5	0 54	20 52	0 10	4 56	4 48	10 57			n.a.
S 7	23 53	18 58	4 55	25 39	1 46	22 47	1 33	24 27	1 11	16 3	0 35	23 44	1 15	20 16	0 46	22 5	0 54	20 51	0 10	5 1	4 49	10 56			n.a.
M 8	23 53	18 49	4 35	25 40	1 48	22 31	1 32	24 23	1 11	16 7	0 35	23 45	1 15	20 16	0 46	22 5	0 54	20 51	0 10	5 6	4 50	10 54			n.a.
T 9	23 53	17 46	4 2	25 38	1 48	22 15	1 31	24 19	1 11	16 10	0 35	23 46	1 16	20 17	0 46	22 4	0 54	20 51	0 10	5 11	4 52	10 53			n.a.
W10	23 52	15 56	3 19	25 34	1 48	21 59	1 30	24 15	1 11	16 14	0 35	23 46	1 16	20 17	0 46	22 4	0 54	20 51	0 11	5 14	4 53	10 51			n.a.
T 11	23 51	13 26	2 27	25 28	1 48	21 41	1 29	24 10	1 11	16 17	0 35	23 47	1 16	20 18	0 46	22 3	0 54	20 51	0 11	5 17	4 54	10 50			n.a.
F 12	23 50	10 24	1 30	25 19	1 47	21 24	1 28	24 6	1 11	16 20	0 35	23 48	1 16	20 18	0 46	22 3	0 54	20 51	0 11	5 18	4 55	10 48			n.a.
S 13	23 48	6 57	0 28	25 8	1 45	21 5	1 27	24 1	1 11	16 24	0 35	23 49	1 16	20 19	0 46	22 3	0 54	20 50	0 11	5 18	4 57	10 47			n.a.
S 14	23 46	3 14	0s35	24 55	1 43	20 46	1 26	23 56	1 11	16 27	0 35	23 49	1 16	20 19	0 46	22 2	0 54	20 50	0 11	5 18	4 58	10 45			n.a.
M15	23 43	0n39	1 37	24 41	1 41	20 27	1 24	23 51	1 11	16 30	0 35	23 50	1 16	20 20	0 46	22 2	0 54	20 50	0 11	5 18	4 59	10 43			n.a.
T 16	23 40	4 34	2 36	24 24	1 38	20 6	1 23	23 45	1 11	16 33	0 35	23 51	1 16	20 20	0 46	22 1	0 54	20 50	0 11	5 18	5 0	10 42			n.a.
W17	23 36	8 24	3 29	24 6	1 35	19 46	1 22	23 39	1 11	16 36	0 35	23 52	1 17	20 21	0 46	22 1	0 54	20 50	0 11	5 19	5 2	10 40			n.a.
T 18	23 32	11 57	4 13	23 47	1 31	19 24	1 20	23 34	1 11	16 39	0 35	23 52	1 17	20 21	0 46	22 0	0 54	20 50	0 11	5 21	5 3	10 39			n.a.
F 19	23 28	15 1	4 45	23 25	1 27	19 3	1 18	23 28	1 10	16 43	0 35	23 53	1 17	20 22	0 46	22 0	0 54	20 50	0 11	5 24	5 4	10 37			n.a.
S 20	23 23	17 22	5 2	23 3	1 22	18 40	1 17	23 22	1 10	16 46	0 35	23 54	1 17	20 22	0 46	22 0	0 54	20 49	0 12	5 27	5 5	10 36			n.a.
S 21	23 17	18 44	5 1	22 39	1 17	18 18	1 15	23 15	1 10	16 49	0 35	23 55	1 17	20 23	0 46	21 59	0 54	20 49	0 12	5 31	5 7	10 34			n.a.
M22	23 12	18 56	4 41	22 14	1 12	17 54	1 13	23 9	1 10	16 52	0 35	23 55	1 17	20 23	0 46	21 59	0 54	20 49	0 12	5 35	5 8	10 33			n.a.
T 23	23 5	17 51	4 2	21 48	1 7	17 31	1 11	23 2	1 10	16 54	0 35	23 56	1 17	20 24	0 46	21 58	0 54	20 49	0 12	5 38	5 9	10 31			n.a.
W24	22 59	15 33	3 7	21 21	1 1	17 6	1 9	22 55	1 10	16 57	0 35	23 57	1 17	20 25	0 46	21 58	0 54	20 49	0 12	5 41	5 10	10 29			n.a.
T 25	22 52	12 14	1 58	20 52	0 55	16 42	1 7	22 48	1 10	17 0	0 35	23 58	1 17	20 25	0 46	21 57	0 54	20 49	0 12	5 43	5 12	10 28			n.a.
F 26	22 44	8 10	0 43	20 23	0 49	16 17	1 5	22 41	1 10	17 3	0 35	23 58	1 17	20 26	0 46	21 57	0 54	20 49	0 12	5 43	5 13	10 26			n.a.
S 27	22 36	3 40	0n35	19 53	0 42	15 51	1 3	22 33	1 10	17 6	0 35	23 59	1 18	20 26	0 46	21 57	0 54	20 49	0 12	5 43	5 14	10 25			n.a.
S 28	22 28	0s56	1 49	19 23	0 36	15 25	1 1	22 26	1 9	17 8	0 35	24 0	1 18	20 27	0 46	21 56	0 54	20 49	0 12	5 43	5 16	10 23			n.a.
M29	22 20	5 23	2 55	18 52	0 29	14 59	0 59	22 18	1 9	17 11	0 35	24 0	1 18	20 27	0 46	21 56	0 54	20 49	0 12	5 43	5 17	10 22			n.a.
T 30	22 11	9 27	3 49	18 20	0 22	14 32	0 56	22 10	1 9	17 14	0 35	24 1	1 18	20 28	0 47	21 55	0 54	20 48	0 12	5 43	5 18	10 20			n.a.
W31	22n 1	12s58	4n30	17n47	0n14	14n 5	0n54	22n 2	1n 9	17n16	0s35	24s 2	1s18	20s29	0s47	21n55	0n54	20s48	0s13	5n44	5n19	10s18			n.a.

Julian Day Number = 1104697.5, Delta T = 10h58m58s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'52, Lahiri = -27°14'51 Julian Calendar 1 July 1689 BCE == Greg. Calendar 17 June 1689 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

AUGUST 1689 BCE (-1688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 40 44	23♋11'35	0♐13	13♌22	26♌46	28♋53	19♉16	17°R14	3°R31	27♋38	0°R19	15°R37	16♍42	0♓ 3	n.a.	T 1
F 2	19 44 40	24°10'08	13° 3	14°50	27°59	29°32	19°25	17♑ 9	3♒29	27°40	0♐18	15♍30	16°39	0°10	n.a.	F 2
S 3	19 48 37	25° 8'43	25°40	16°18	29°11	0♌11	19°34	17° 5	3°26	27°43	0°18	15°22	16°36	0°17	n.a.	S 3
S 4	19 52 34	26° 7'19	8♑ 6	17°44	0♍24	0°50	19°43	17° 0	3°24	27°45	0°17	15°12	16°33	0°23	n.a.	S 4
M 5	19 56 30	27° 5'58	20°22	19°10	1°36	1°29	19°52	16°56	3°22	27°47	0°16	15° 3	16°30	0°30	n.a.	M 5
T 6	20 0 27	28° 4'39	2♒28	20°34	2°48	2° 9	20° 0	16°51	3°19	27°49	0°16	14°56	16°27	0°37	n.a.	T 6
W 7	20 4 23	29° 3'22	14°26	21°57	4° 1	2°48	20° 9	16°47	3°17	27°51	0°15	14°50	16°23	0°43	n.a.	W 7
T 8	20 8 20	0♌ 2'08	26°17	23°18	5°13	3°27	20°17	16°42	3°14	27°54	0°15	14°46	16°20	0°50	n.a.	T 8
F 9	20 12 16	1° 0'55	8♓ 5	24°38	6°25	4° 7	20°25	16°38	3°12	27°56	0°14	14°44	16°17	0°57	n.a.	F 9
S 10	20 16 13	1°59'45	19°51	25°57	7°37	4°46	20°33	16°33	3°10	27°58	0°14	14°D44	16°14	1° 3	n.a.	S 10
S 11	20 20 9	2°58'37	1♈41	27°15	8°50	5°26	20°41	16°29	3° 7	28° 0	0°13	14°45	16°11	1°10	n.a.	S 11
M12	20 24 6	3°57'32	13°37	28°31	10° 2	6° 5	20°49	16°25	3° 5	28° 3	0°13	14°46	16° 7	1°17	n.a.	M12
T 13	20 28 2	4°56'29	25°46	29°45	11°14	6°45	20°57	16°20	3° 2	28° 5	0°12	14°48	16° 4	1°23	n.a.	T 13
W14	20 31 59	5°55'28	8♉12	0♍58	12°26	7°24	21° 4	16°16	3° 0	28° 7	0°12	14°R48	16° 1	1°30	n.a.	W14
T 15	20 35 56	6°54'30	21° 0	2° 9	13°38	8° 4	21°12	16°12	2°58	28° 9	0°11	14°47	15°58	1°37	n.a.	T 15
F 16	20 39 52	7°53'34	4♊13	3°18	14°50	8°43	21°19	16° 8	2°55	28°11	0°11	14°44	15°55	1°43	n.a.	F 16
S 17	20 43 49	8°52'41	17°55	4°25	16° 2	9°23	21°26	16° 4	2°53	28°14	0°11	14°40	15°52	1°50	n.a.	S 17
S 18	20 47 45	9°51'51	2♋ 5	5°30	17°14	10° 3	21°33	16° 0	2°50	28°16	0°10	14°35	15°48	1°57	n.a.	S 18
M19	20 51 42	10°51'03	16°41	6°33	18°26	10°43	21°40	15°56	2°48	28°18	0°10	14°30	15°45	2° 3	n.a.	M19
T 20	20 55 38	11°50'17	1♌37	7°34	19°37	11°22	21°47	15°52	2°46	28°20	0°10	14°25	15°42	2°10	n.a.	T 20
W21	20 59 35	12°49'33	16°44	8°32	20°49	12° 2	21°53	15°48	2°43	28°22	0°10	14°22	15°39	2°16	n.a.	W21
T 22	21 3 31	13°48'52	1♍54	9°27	22° 1	12°42	21°59	15°44	2°41	28°25	0° 9	14°20	15°36	2°23	n.a.	T 22
F 23	21 7 28	14°48'13	16°56	10°18	23°13	13°22	22° 6	15°40	2°39	28°27	0° 9	14°D19	15°33	2°30	n.a.	F 23
S 24	21 11 24	15°47'35	1♎43	11° 7	24°24	14° 2	22°12	15°37	2°36	28°29	0° 9	14°20	15°29	2°36	n.a.	S 24
S 25	21 15 21	16°47'00	16°10	11°52	25°36	14°42	22°18	15°33	2°34	28°31	0° 9	14°22	15°26	2°43	n.a.	S 25
M26	21 19 18	17°46'26	0♏13	12°33	26°47	15°22	22°23	15°29	2°32	28°33	0° 9	14°23	15°23	2°50	n.a.	M26
T 27	21 23 14	18°45'55	13°52	13° 9	27°59	16° 2	22°29	15°26	2°29	28°35	0° 9	14°R24	15°20	2°56	n.a.	T 27
W28	21 27 11	19°45'25	27° 9	13°41	29°10	16°42	22°34	15°22	2°27	28°37	0°D 9	14°24	15°17	3° 3	n.a.	W28
T 29	21 31 7	20°44'58	10♐ 5	14° 7	0♎22	17°22	22°39	15°19	2°25	28°40	0° 9	14°22	15°13	3°10	n.a.	T 29
F 30	21 35 4	21°44'32	22°44	14°28	1°33	18° 2	22°44	15°16	2°23	28°42	0° 9	14°20	15°10	3°16	n.a.	F 30
S 31	21 39 0	22♌44'08	5♑ 8	14♍42	2♎44	18♌42	22♉49	15♑13	2♒20	28♋44	0♐ 9	14♍17	15♍ 7	3♓23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21n51	15s45	4n56	17n14	0n 7	13n37	0n51	21n54	1n 9	17n19	0s35	24s 3	1s18	20s29	0s47	21n54	0n54	20s48	0s13	5n46	5n21	10s17			n.a.
F 2	21 41	17 43	5 7	16 41	0s 0	13 10	0 49	21 45	1 9	17 22	0 35	24 3	1 18	20 30	0 47	21 54	0 54	20 48	0 13	5 49	5 22	10 15			n.a.
S 3	21 30	18 47	5 2	16 7	0 8	12 42	0 46	21 36	1 9	17 24	0 35	24 4	1 18	20 30	0 47	21 54	0 54	20 48	0 13	5 53	5 23	10 14			n.a.
S 4	21 19	18 56	4 43	15 33	0 16	12 13	0 44	21 28	1 9	17 26	0 35	24 5	1 18	20 31	0 47	21 53	0 54	20 48	0 13	5 56	5 24	10 12			n.a.
M 5	21 8	18 10	4 11	14 59	0 24	11 44	0 41	21 19	1 8	17 29	0 35	24 5	1 18	20 31	0 47	21 53	0 54	20 48	0 13	6 0	5 26	10 11			n.a.
T 6	20 56	16 36	3 28	14 24	0 32	11 15	0 38	21 10	1 8	17 31	0 35	24 6	1 18	20 32	0 47	21 52	0 54	20 48	0 13	6 3	5 27	10 9			n.a.
W 7	20 44	14 19	2 37	13 50	0 40	10 46	0 35	21 0	1 8	17 34	0 34	24 6	1 18	20 33	0 47	21 52	0 54	20 48	0 13	6 5	5 28	10 7			n.a.
T 8	20 31	11 27	1 38	13 15	0 48	10 16	0 32	20 51	1 8	17 36	0 34	24 7	1 18	20 33	0 47	21 51	0 54	20 48	0 13	6 7	5 29	10 6			n.a.
F 9	20 18	8 8	0 36	12 41	0 56	9 47	0 29	20 41	1 8	17 38	0 34	24 8	1 18	20 34	0 47	21 51	0 54	20 48	0 13	6 7	5 31	10 4			n.a.
S 10	20 5	4 31	0s28	12 6	1 4	9 17	0 26	20 31	1 8	17 40	0 34	24 8	1 18	20 34	0 47	21 50	0 54	20 48	0 13	6 7	5 32	10 3			n.a.
S 11	19 52	0 43	1 31	11 32	1 12	8 46	0 23	20 21	1 7	17 42	0 34	24 9	1 19	20 35	0 47	21 50	0 54	20 48	0 13	6 7	5 33	10 1			n.a.
M12	19 38	3n10	2 31	10 57	1 21	8 16	0 20	20 11	1 7	17 45	0 34	24 10	1 19	20 35	0 47	21 50	0 54	20 48	0 14	6 6	5 34	9 59			n.a.
T 13	19 23	6 58	3 25	10 23	1 29	7 45	0 17	20 1	1 7	17 47	0 34	24 10	1 19	20 36	0 47	21 49	0 54	20 48	0 14	6 6	5 36	9 58			n.a.
W14	19 9	10 33	4 11	9 50	1 37	7 14	0 14	19 51	1 7	17 49	0 34	24 11	1 19	20 37	0 47	21 49	0 54	20 48	0 14	6 6	5 37	9 56			n.a.
T 15	18 54	13 45	4 46	9 16	1 45	6 43	0 11	19 40	1 7	17 51	0 34	24 11	1 19	20 37	0 47	21 48	0 54	20 48	0 14	6 6	5 38	9 55			n.a.
F 16	18 38	16 22	5 7	8 44	1 53	6 12	0 7	19 29	1 7	17 53	0 34	24 12	1 19	20 38	0 47	21 48	0 54	20 48	0 14	6 7	5 39	9 53			n.a.
S 17	18 23	18 9	5 12	8 12	2 1	5 40	0 4	19 18	1 6	17 55	0 34	24 12	1 19	20 38	0 47	21 47	0 54	20 48	0 14	6 9	5 41	9 51			n.a.
S 18	18 7	18 55	4 58	7 40	2 9	5 9	0 1	19 7	1 6	17 56	0 34	24 13	1 19	20 39	0 47	21 47	0 54	20 48	0 14	6 11	5 42	9 50			n.a.
M19	17 50	18 27	4 25	7 10	2 17	4 37	0s 3	18 56	1 6	17 58	0 34	24 13	1 19	20 39	0 47	21 46	0 54	20 48	0 14	6 13	5 43	9 48			n.a.
T 20	17 34	16 43	3 33	6 40	2 24	4 5	0 6	18 45	1 6	18 0	0 34	24 14	1 19	20 40	0 47	21 46	0 54	20 48	0 14	6 15	5 44	9 47			n.a.
W21	17 17	13 48	2 26	6 11	2 32	3 34	0 10	18 33	1 6	18 2	0 34	24 14	1 19	20 40	0 47	21 46	0 54	20 48	0 14	6 16	5 46	9 45			n.a.
T 22	16 59	9 57	1 8	5 44	2 39	3 2	0 13	18 21	1 5	18 3	0 34	24 15	1 19	20 41	0 47	21 45	0 54	20 48	0 14	6 17	5 47	9 43			n.a.
F 23	16 42	5 28	0n14	5 18	2 46	2 30	0 17	18 10	1 5	18 5	0 34	24 15	1 19	20 42	0 47	21 45	0 54	20 48	0 15	6 17	5 48	9 42			n.a.
S 24	16 24	0 44	1 34	4 53	2 52	1 57	0 20	17 58	1 5	18 7	0 34	24 16	1 19	20 42	0 47	21 44	0 54	20 48	0 15	6 17	5 49	9 40			n.a.
S 25	16 6	3s55	2 46	4 30	2 58	1 25	0 24	17 46	1 5	18 8	0 34	24 16	1 19	20 43	0 47	21 44	0 54	20 48	0 15	6 16	5 51	9 38			n.a.
M26	15 48	8 14	3 46	4 9	3 4	0 53	0 27	17 33	1 5	18 10	0 34	24 17	1 19	20 43	0 47	21 43	0 54	20 48	0 15	6 16	5 52	9 37			n.a.
T 27	15 29	11 59	4 32	3 50	3 9	0 21	0 31	17 21	1 4	18 11	0 34	24 17	1 19	20 44	0 47	21 43	0 54	20 48	0 15	6 15	5 53	9 35			n.a.
W28	15 10	15 0	5 1	3 33	3 14	0s11	0 34	17 9	1 4	18 13	0 34	24 17	1 19	20 44	0 47	21 43	0 54	20 48	0 15	6 15	5 54	9 34			n.a.
T 29	14 51	17 12	5 14	3 19	3 18	0 44	0 38	16 56	1 4	18 14	0 34	24 18	1 19	20 45	0 47	21 42	0 55	20 48	0 15	6 16	5 56	9 32			n.a.
F 30	14 31	18 30	5 12	3 8	3 21	1 16	0 42	16 43	1 4	18 15	0 34	24 18	1 19	20 45	0 47	21 42	0 55	20 49	0 15	6 17	5 57	9 30			n.a.
S 31	14n12	18s53	4n55	3n 0	3s24	1s48	0s45	16n30	1n 3	18n17	0s34	24s19	1s19	20s46	0s47	21n41	0n55	20s49	0s15	6n18	5n58	9s29			n.a.

Julian Day Number = 1104728.5, Delta T = 10h58m56s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'47, Lahiri = -27°14'47 Julian Calendar 1 Aug. 1689 BCE == Greg. Calendar 18 July 1689 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

SEPTEMBER 1689 BCE (-1688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 42 57	23♌43'46	17♉20	14♍50	3♎55	19♌22	22♉54	15°R10	2°R18	28♋46	0♐ 9	14°R14	15♍ 4	3♓30	n.a.	S 1
M 2	21 46 53	24°43'27	29°23	14°R50	5° 7	20° 3	22°59	15♉ 7	2♒16	28°48	0° 9	14♍10	15° 1	3°36	n.a.	M 2
T 3	21 50 50	25°43'09	11♒20	14°43	6°18	20°43	23° 3	15° 4	2°14	28°50	0°10	14° 7	14°58	3°43	n.a.	T 3
W 4	21 54 46	26°42'53	23°11	14°28	7°29	21°23	23° 7	15° 1	2°12	28°52	0°10	14° 5	14°54	3°50	n.a.	W 4
T 5	21 58 43	27°42'40	4♓59	14° 4	8°40	22° 4	23°11	14°58	2°10	28°54	0°10	14° 4	14°51	3°56	n.a.	T 5
F 6	22 2 40	28°42'28	16°47	13°31	9°50	22°44	23°15	14°55	2° 7	28°56	0°10	14°D 4	14°48	4° 3	n.a.	F 6
S 7	22 6 36	29°42'19	28°36	12°50	11° 1	23°24	23°19	14°53	2° 5	28°58	0°11	14° 5	14°45	4°10	n.a.	S 7
S 8	22 10 33	0♍42'12	10♈29	12° 0	12°12	24° 5	23°22	14°50	2° 3	29° 0	0°11	14° 6	14°42	4°16	n.a.	S 8
M 9	22 14 29	1°42'07	22°30	11° 3	13°23	24°45	23°26	14°48	2° 1	29° 2	0°11	14° 7	14°38	4°23	n.a.	M 9
T 10	22 18 26	2°42'05	4♉41	9°58	14°33	25°26	23°29	14°45	1°59	29° 4	0°12	14° 8	14°35	4°29	n.a.	T 10
W11	22 22 22	3°42'05	17° 7	8°48	15°44	26° 6	23°32	14°43	1°57	29° 6	0°12	14° 9	14°32	4°36	n.a.	W11
T 12	22 26 19	4°42'07	29°52	7°34	16°54	26°47	23°34	14°41	1°56	29° 8	0°13	14°R 9	14°29	4°43	n.a.	T 12
F 13	22 30 15	5°42'12	12♊59	6°18	18° 5	27°28	23°37	14°39	1°54	29°10	0°13	14° 9	14°26	4°49	n.a.	F 13
S 14	22 34 12	6°42'19	26°31	5° 2	19°15	28° 8	23°39	14°37	1°52	29°11	0°14	14° 9	14°23	4°56	n.a.	S 14
S 15	22 38 8	7°42'29	10♋30	3°49	20°25	28°49	23°41	14°35	1°50	29°13	0°14	14° 8	14°19	5° 3	n.a.	S 15
M16	22 42 5	8°42'40	24°55	2°40	21°35	29°30	23°43	14°33	1°48	29°15	0°15	14° 8	14°16	5° 9	n.a.	M16
T 17	22 46 2	9°42'54	9♌42	1°39	22°45	0♍11	23°45	14°32	1°46	29°17	0°15	14° 7	14°13	5°16	n.a.	T 17
W18	22 49 58	10°43'10	24°46	0°46	23°55	0°52	23°47	14°30	1°45	29°19	0°16	14° 7	14°10	5°23	n.a.	W18
T 19	22 53 55	11°43'28	9♍59	0° 3	25° 5	1°32	23°48	14°29	1°43	29°20	0°17	14°D 7	14° 7	5°29	n.a.	T 19
F 20	22 57 51	12°43'48	25°10	29♌31	26°15	2°13	23°49	14°27	1°41	29°22	0°17	14° 7	14° 4	5°36	n.a.	F 20
S 21	23 1 48	13°44'10	10♎10	29°11	27°25	2°54	23°50	14°26	1°40	29°24	0°18	14°R 7	14° 0	5°43	n.a.	S 21
S 22	23 5 44	14°44'33	24°52	29°D 3	28°34	3°35	23°51	14°25	1°38	29°26	0°19	14° 7	13°57	5°49	n.a.	S 22
M23	23 9 41	15°44'58	9♏10	29° 5	29°44	4°16	23°52	14°24	1°37	29°27	0°19	14° 7	13°54	5°56	n.a.	M23
T 24	23 13 37	16°45'25	23° 0	29°19	0♏53	4°57	23°52	14°23	1°35	29°29	0°20	14° 6	13°51	6° 3	n.a.	T 24
W25	23 17 34	17°45'53	6♐24	29°43	2° 2	5°39	23°R52	14°22	1°34	29°31	0°21	14° 6	13°48	6° 9	n.a.	W25
T 26	23 21 31	18°46'23	19°22	0♍16	3°11	6°20	23°52	14°21	1°32	29°32	0°22	14°D 6	13°44	6°16	n.a.	T 26
F 27	23 25 27	19°46'55	1♉59	0°58	4°20	7° 1	23°52	14°21	1°31	29°34	0°23	14° 6	13°41	6°22	n.a.	F 27
S 28	23 29 24	20°47'28	14°18	1°47	5°29	7°42	23°52	14°20	1°30	29°35	0°24	14° 7	13°38	6°29	n.a.	S 28
S 29	23 33 20	21°48'02	26°23	2°43	6°38	8°23	23°51	14°20	1°28	29°37	0°25	14° 7	13°35	6°36	n.a.	S 29
M30	23 37 17	22♍48'38	8♒19	3♍46	7♏47	9♍ 5	23♉50	14♉19	1♒27	29♋38	0♐26	14♍ 8	13♍32	6♓42	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n52	18s22	4n24	2n56	3s25	2s20	0s49	16n17	1n 3	18n18	0s34	24s19	1s19	20s46	0s46	21n41	0n55	20s49	0s15	6n19	5n59	9s27		n.a.
M 2	13 31	17 2	3 43	2 56	3 26	2 52	0 53	16 4	1 3	18 19	0 34	24 19	1 19	20 47	0 46	21 41	0 55	20 49	0 15	6 21	6 1	9 25		n.a.
T 3	13 11	14 58	2 51	2 59	3 25	3 24	0 57	15 51	1 3	18 20	0 34	24 20	1 19	20 47	0 46	21 40	0 55	20 49	0 15	6 22	6 2	9 24		n.a.
W 4	12 50	12 16	1 53	3 7	3 23	3 56	1 0	15 37	1 2	18 21	0 34	24 20	1 19	20 48	0 46	21 40	0 55	20 49	0 16	6 22	6 3	9 22		n.a.
T 5	12 30	9 5	0 50	3 20	3 19	4 28	1 4	15 24	1 2	18 22	0 34	24 20	1 19	20 48	0 46	21 39	0 55	20 49	0 16	6 23	6 4	9 20		n.a.
F 6	12 9	5 33	0s15	3 38	3 13	5 0	1 8	15 10	1 2	18 23	0 34	24 21	1 19	20 49	0 46	21 39	0 55	20 49	0 16	6 23	6 6	9 19		n.a.
S 7	11 47	1 47	1 20	4 1	3 6	5 32	1 11	14 56	1 2	18 24	0 34	24 21	1 19	20 49	0 46	21 39	0 55	20 50	0 16	6 23	6 7	9 17		n.a.
S 8	11 26	2n 4	2 22	4 28	2 57	6 3	1 15	14 42	1 1	18 25	0 34	24 21	1 19	20 50	0 46	21 38	0 55	20 50	0 16	6 22	6 8	9 16		n.a.
M 9	11 4	5 52	3 18	5 1	2 45	6 35	1 19	14 28	1 1	18 26	0 34	24 21	1 19	20 50	0 46	21 38	0 55	20 50	0 16	6 22	6 9	9 14		n.a.
T 10	10 42	9 28	4 6	5 38	2 32	7 6	1 22	14 14	1 1	18 27	0 34	24 22	1 19	20 50	0 46	21 37	0 55	20 50	0 16	6 21	6 11	9 12		n.a.
W11	10 20	12 44	4 43	6 18	2 17	7 37	1 26	14 0	1 1	18 28	0 34	24 22	1 19	20 51	0 46	21 37	0 55	20 50	0 16	6 21	6 12	9 11		n.a.
T 12	9 58	15 29	5 8	7 2	2 0	8 8	1 30	13 46	1 0	18 28	0 34	24 22	1 19	20 51	0 46	21 37	0 55	20 50	0 16	6 21	6 13	9 9		n.a.
F 13	9 35	17 32	5 18	7 47	1 42	8 39	1 33	13 31	1 0	18 29	0 34	24 22	1 19	20 52	0 46	21 36	0 55	20 51	0 16	6 21	6 14	9 7		n.a.
S 14	9 13	18 40	5 11	8 34	1 23	9 10	1 37	13 16	1 0	18 30	0 34	24 22	1 19	20 52	0 46	21 36	0 55	20 51	0 16	6 21	6 16	9 6		n.a.
S 15	8 50	18 44	4 45	9 20	1 2	9 40	1 41	13 2	0 59	18 30	0 34	24 23	1 19	20 52	0 46	21 36	0 55	20 51	0 17	6 21	6 17	9 4		n.a.
M16	8 27	17 36	4 1	10 4	0 42	10 10	1 44	12 47	0 59	18 31	0 34	24 23	1 19	20 53	0 46	21 35	0 55	20 51	0 17	6 22	6 18	9 2		n.a.
T 17	8 4	15 16	3 0	10 45	0 21	10 40	1 48	12 32	0 59	18 31	0 34	24 23	1 19	20 53	0 46	21 35	0 55	20 51	0 17	6 22	6 19	9 1		n.a.
W18	7 41	11 51	1 46	11 23	0 2	11 10	1 51	12 17	0 59	18 32	0 34	24 23	1 19	20 54	0 46	21 34	0 55	20 52	0 17	6 22	6 21	8 59		n.a.
T 19	7 18	7 37	0 23	11 56	0n17	11 39	1 55	12 2	0 58	18 32	0 34	24 23	1 18	20 54	0 46	21 34	0 55	20 52	0 17	6 22	6 22	8 57		n.a.
F 20	6 54	2 53	1n 1	12 24	0 35	12 9	1 58	11 47	0 58	18 32	0 34	24 23	1 18	20 54	0 46	21 34	0 55	20 52	0 17	6 22	6 23	8 56		n.a.
S 21	6 31	1s58	2 20	12 47	0 52	12 38	2 1	11 31	0 58	18 33	0 33	24 23	1 18	20 55	0 46	21 33	0 55	20 52	0 17	6 22	6 24	8 54		n.a.
S 22	6 7	6 35	3 28	13 4	1 7	13 6	2 5	11 16	0 57	18 33	0 33	24 23	1 18	20 55	0 46	21 33	0 55	20 53	0 17	6 22	6 26	8 52		n.a.
M23	5 43	10 42	4 21	13 15	1 20	13 35	2 8	11 0	0 57	18 33	0 33	24 24	1 18	20 55	0 46	21 33	0 55	20 53	0 17	6 22	6 27	8 51		n.a.
T 24	5 19	14 5	4 57	13 21	1 32	14 2	2 11	10 45	0 57	18 33	0 33	24 24	1 18	20 56	0 46	21 32	0 55	20 53	0 17	6 22	6 28	8 49		n.a.
W25	4 55	16 36	5 15	13 22	1 42	14 30	2 15	10 29	0 56	18 33	0 33	24 24	1 18	20 56	0 46	21 32	0 55	20 53	0 17	6 22	6 29	8 47		n.a.
T 26	4 31	18 11	5 17	13 18	1 50	14 57	2 18	10 13	0 56	18 33	0 33	24 24	1 18	20 56	0 46	21 32	0 55	20 54	0 17	6 22	6 31	8 46		n.a.
F 27	4 7	18 50	5 3	13 9	1 57	15 24	2 21	9 58	0 56	18 33	0 33	24 24	1 18	20 57	0 46	21 32	0 55	20 54	0 18	6 22	6 32	8 44		n.a.
S 28	3 43	18 33	4 35	12 56	2 3	15 51	2 24	9 42	0 55	18 33	0 33	24 24	1 18	20 57	0 46	21 31	0 55	20 54	0 18	6 22	6 33	8 42		n.a.
S 29	3 19	17 25	3 56	12 40	2 7	16 17	2 27	9 26	0 55	18 33	0 33	24 24	1 18	20 57	0 46	21 31	0 55	20 54	0 18	6 22	6 34	8 41		n.a.
M30	2n54	15s32	3n 7	12n20	2n10	16s43	2s30	9n 9	0n55	18n33	0s33	24s24	1s18	20s57	0s46	21n31	0n55	20s55	0s18	6n21	6n36	8s39		n.a.

Julian Day Number = 1104759.5, Delta T = 10h58m54s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'43, Lahiri = -27°14'43 Julian Calendar 1 Sept. 1689 BCE == Greg. Calendar 18 Aug. 1689 BCE

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

OCTOBER 1689 BCE (-1688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 41 13	23♍49'15	20♒ 8	4♍53	8♏55	9♍46	23°R49	14°R19	1°R26	29♋40	0♐27	14♍ 9	13♍29	6♓49	n.a.	T 1
W 2	23 45 10	24°49'54	1♓56	6° 4	10° 4	10°27	23♉48	14°D19	1♒25	29°41	0°28	14°10	13°25	6°56	n.a.	W 2
T 3	23 49 6	25°50'34	13°44	7°20	11°12	11° 9	23°47	14♊19	1°24	29°43	0°29	14°R10	13°22	7° 2	n.a.	T 3
F 4	23 53 3	26°51'16	25°35	8°38	12°20	11°50	23°45	14°19	1°22	29°44	0°30	14°10	13°19	7° 9	n.a.	F 4
S 5	23 56 59	27°52'00	7♈31	10° 0	13°28	12°32	23°43	14°20	1°21	29°46	0°31	14° 9	13°16	7°16	n.a.	S 5
S 6	0 0 56	28°52'45	19°33	11°24	14°36	13°13	23°41	14°20	1°20	29°47	0°32	14° 7	13°13	7°22	n.a.	S 6
M 7	0 4 53	29°53'31	1♉45	12°49	15°43	13°55	23°39	14°20	1°19	29°48	0°33	14° 5	13° 9	7°29	n.a.	M 7
T 8	0 8 49	0♎54'20	14° 7	14°17	16°51	14°37	23°36	14°21	1°19	29°50	0°34	14° 2	13° 6	7°36	n.a.	T 8
W 9	0 12 46	1°55'10	26°41	15°45	17°58	15°18	23°34	14°22	1°18	29°51	0°36	14° 0	13° 3	7°42	n.a.	W 9
T 10	0 16 42	2°56'01	9♊30	17°15	19° 5	16° 0	23°31	14°22	1°17	29°52	0°37	13°57	13° 0	7°49	n.a.	T 10
F 11	0 20 39	3°56'55	22°37	18°46	20°12	16°42	23°28	14°23	1°16	29°53	0°38	13°56	12°57	7°55	n.a.	F 11
S 12	0 24 35	4°57'50	6♋ 2	20°17	21°19	17°23	23°25	14°24	1°16	29°54	0°39	13°D56	12°54	8° 2	n.a.	S 12
S 13	0 28 32	5°58'46	19°48	21°49	22°25	18° 5	23°22	14°25	1°15	29°56	0°41	13°56	12°50	8° 9	n.a.	S 13
M14	0 32 28	6°59'45	3♌55	23°22	23°32	18°47	23°18	14°26	1°14	29°57	0°42	13°57	12°47	8°15	n.a.	M14
T 15	0 36 25	8° 0'44	18°22	24°54	24°38	19°29	23°14	14°28	1°14	29°58	0°43	13°59	12°44	8°22	n.a.	T 15
W16	0 40 22	9° 1'46	3♍ 7	26°28	25°44	20°11	23°10	14°29	1°13	29°59	0°45	14° 0	12°41	8°29	n.a.	W16
T 17	0 44 18	10° 2'48	18° 4	28° 1	26°50	20°53	23° 6	14°31	1°13	29°59	0°46	14°R 0	12°38	8°35	n.a.	T 17
F 18	0 48 15	11° 3'52	3♎ 6	29°34	27°55	21°35	23° 2	14°32	1°12	0♌ 1	0°47	13°59	12°35	8°42	n.a.	F 18
S 19	0 52 11	12° 4'57	18° 4	1♎ 8	29° 0	22°17	22°57	14°34	1°12	0° 2	0°49	13°57	12°31	8°49	n.a.	S 19
S 20	0 56 8	13° 6'03	2♏49	2°42	0♐ 5	22°59	22°53	14°36	1°12	0° 3	0°50	13°53	12°28	8°55	n.a.	S 20
M21	1 0 4	14° 7'10	17°14	4°16	1°10	23°41	22°48	14°38	1°11	0° 4	0°52	13°48	12°25	9° 2	n.a.	M21
T 22	1 4 1	15° 8'18	1♐14	5°50	2°15	24°24	22°43	14°40	1°11	0° 5	0°53	13°43	12°22	9° 9	n.a.	T 22
W23	1 7 57	16° 9'27	14°46	7°23	3°19	25° 6	22°38	14°42	1°11	0° 5	0°55	13°39	12°19	9°15	n.a.	W23
T 24	1 11 54	17°10'36	27°52	8°57	4°23	25°48	22°32	14°44	1°11	0° 6	0°56	13°36	12°15	9°22	n.a.	T 24
F 25	1 15 51	18°11'46	10♑32	10°31	5°27	26°30	22°27	14°47	1°D11	0° 7	0°58	13°34	12°12	9°29	n.a.	F 25
S 26	1 19 47	19°12'57	22°52	12° 5	6°30	27°13	22°21	14°49	1°11	0° 8	1° 0	13°D34	12° 9	9°35	n.a.	S 26
S 27	1 23 44	20°14'08	4♒57	13°39	7°33	27°55	22°16	14°52	1°11	0° 8	1° 1	13°35	12° 6	9°42	n.a.	S 27
M28	1 27 40	21°15'20	16°50	15°13	8°36	28°37	22°10	14°54	1°11	0° 9	1° 3	13°36	12° 3	9°48	n.a.	M28
T 29	1 31 37	22°16'32	28°38	16°47	9°38	29°20	22° 3	14°57	1°11	0°10	1° 4	13°38	12° 0	9°55	n.a.	T 29
W30	1 35 33	23°17'45	10♓24	18°21	10°40	0♎ 2	21°57	15° 0	1°12	0°10	1° 6	13°R39	11°56	10° 2	n.a.	W30
T 31	1 39 30	24♎18'58	22♓14	19♎55	11♐42	0♎45	21♉51	15♑ 3	1♒12	0♌11	1♐ 8	13♍39	11♍53	10♓ 8	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	2n30	13s 0	2n10	11n56	2n12	17s 8	2s33	8n53	0n54	18n33	0s33	24s24	1s18	20s58	0s46	21n30	0n56	20s55	0s18	6n21	6n37	8s37			n.a.
W 2	2 5	9 56	1 7	11 30	2 13	17 33	2 35	8 37	0 54	18 32	0 33	24 24	1 18	20 58	0 46	21 30	0 56	20 55	0 18	6 21	6 38	8 35			n.a.
T 3	1 41	6 29	0 2	11 2	2 13	17 58	2 38	8 21	0 54	18 32	0 33	24 24	1 18	20 58	0 46	21 30	0 56	20 56	0 18	6 21	6 39	8 34			n.a.
F 4	1 16	2 45	1s 3	10 31	2 12	18 22	2 41	8 4	0 53	18 32	0 33	24 23	1 18	20 58	0 46	21 30	0 56	20 56	0 18	6 21	6 41	8 32			n.a.
S 5	0 52	1n 7	2 6	9 58	2 11	18 46	2 43	7 48	0 53	18 31	0 33	24 23	1 18	20 58	0 46	21 29	0 56	20 56	0 18	6 21	6 42	8 30			n.a.
S 6	0 27	4 58	3 4	9 24	2 9	19 9	2 46	7 31	0 53	18 31	0 33	24 23	1 18	20 59	0 46	21 29	0 56	20 57	0 18	6 22	6 43	8 29			n.a.
M 7	0 3	8 39	3 54	8 48	2 6	19 32	2 48	7 15	0 52	18 30	0 33	24 23	1 18	20 59	0 46	21 29	0 56	20 57	0 18	6 23	6 44	8 27			n.a.
T 8	0s22	12 1	4 34	8 11	2 3	19 54	2 50	6 58	0 52	18 30	0 33	24 23	1 18	20 59	0 46	21 29	0 56	20 57	0 18	6 24	6 46	8 25			n.a.
W 9	0 47	14 53	5 2	7 32	1 59	20 16	2 53	6 41	0 51	18 29	0 33	24 23	1 17	20 59	0 46	21 28	0 56	20 58	0 19	6 25	6 47	8 24			n.a.
T 10	1 11	17 6	5 15	6 53	1 55	20 37	2 55	6 24	0 51	18 29	0 33	24 23	1 17	20 59	0 46	21 28	0 56	20 58	0 19	6 26	6 48	8 22			n.a.
F 11	1 36	18 29	5 12	6 13	1 50	20 57	2 57	6 7	0 51	18 28	0 33	24 23	1 17	20 59	0 46	21 28	0 56	20 58	0 19	6 26	6 49	8 20			n.a.
S 12	2 0	18 52	4 53	5 32	1 45	21 18	2 59	5 50	0 50	18 27	0 33	24 22	1 17	21 0	0 46	21 28	0 56	20 59	0 19	6 26	6 50	8 18			n.a.
S 13	2 25	18 10	4 16	4 50	1 40	21 37	3 0	5 33	0 50	18 26	0 33	24 22	1 17	21 0	0 45	21 27	0 56	20 59	0 19	6 26	6 52	8 17			n.a.
M14	2 50	16 21	3 24	4 8	1 35	21 56	3 2	5 16	0 49	18 25	0 32	24 22	1 17	21 0	0 45	21 27	0 56	20 59	0 19	6 26	6 53	8 15			n.a.
T 15	3 14	13 26	2 17	3 25	1 29	22 15	3 4	4 59	0 49	18 25	0 32	24 22	1 17	21 0	0 45	21 27	0 56	21 0	0 19	6 25	6 54	8 13			n.a.
W16	3 39	9 37	1 0	2 42	1 23	22 33	3 5	4 42	0 49	18 24	0 32	24 22	1 17	21 0	0 45	21 27	0 56	21 0	0 19	6 24	6 55	8 12			n.a.
T 17	4 3	5 9	0n22	1 59	1 17	22 50	3 6	4 25	0 48	18 23	0 32	24 21	1 17	21 0	0 45	21 27	0 56	21 0	0 19	6 24	6 57	8 10			n.a.
F 18	4 27	0 19	1 43	1 15	1 11	23 7	3 8	4 8	0 48	18 22	0 32	24 21	1 17	21 0	0 45	21 27	0 56	21 1	0 19	6 25	6 58	8 8			n.a.
S 19	4 52	4s30	2 56	0 32	1 5	23 23	3 9	3 50	0 47	18 21	0 32	24 21	1 17	21 0	0 45	21 26	0 56	21 1	0 19	6 26	6 59	8 6			n.a.
S 20	5 16	8 59	3 57	0s12	0 59	23 38	3 10	3 33	0 47	18 19	0 32	24 21	1 17	21 0	0 45	21 26	0 56	21 2	0 19	6 27	7 0	8 5			n.a.
M21	5 40	12 49	4 40	0 56	0 52	23 53	3 11	3 16	0 46	18 18	0 32	24 20	1 17	21 0	0 45	21 26	0 56	21 2	0 20	6 29	7 2	8 3			n.a.
T 22	6 4	15 48	5 6	1 40	0 46	24 8	3 12	2 58	0 46	18 17	0 32	24 20	1 17	21 0	0 45	21 26	0 56	21 2	0 20	6 31	7 3	8 1			n.a.
W23	6 28	17 49	5 13	2 23	0 39	24 21	3 12	2 41	0 46	18 16	0 32	24 20	1 17	21 0	0 45	21 26	0 56	21 3	0 20	6 33	7 4	8 0			n.a.
T 24	6 52	18 49	5 4	3 7	0 32	24 34	3 13	2 23	0 45	18 14	0 32	24 20	1 17	21 0	0 45	21 26	0 56	21 3	0 20	6 34	7 5	7 58			n.a.
F 25	7 16	18 49	4 39	3 51	0 26	24 47	3 13	2 6	0 45	18 13	0 32	24 19	1 17	21 0	0 45	21 25	0 56	21 4	0 20	6 35	7 7	7 56			n.a.
S 26	7 40	17 55	4 3	4 34	0 19	24 58	3 13	1 48	0 44	18 12	0 32	24 19	1 17	21 0	0 45	21 25	0 57	21 4	0 20	6 35	7 8	7 54			n.a.
S 27	8 3	16 13	3 16	5 18	0 13	25 9	3 13	1 31	0 44	18 10	0 31	24 19	1 16	21 0	0 45	21 25	0 57	21 4	0 20	6 34	7 9	7 53			n.a.
M28	8 27	13 51	2 21	6 1	0 6	25 20	3 13	1 13	0 43	18 9	0 31	24 18	1 16	21 0	0 45	21 25	0 57	21 5	0 20	6 34	7 10	7 51			n.a.
T 29	8 50	10 54	1 21	6 44	0s 1	25 29	3 13	0 55	0 43	18 7	0 31	24 18	1 16	21 0	0 45	21 25	0 57	21 5	0 20	6 33	7 12	7 49			n.a.
W30	9 13	7 32	0 18	7 26	0 7	25 38	3 12	0 38	0 42	18 6	0 31	24 17	1 16	21 0	0 45	21 25	0 57	21 6	0 20	6 33	7 13	7 47			n.a.
T 31	9s36	3s51	0s47	8s 8	0s14	25s47	3s12	0n20	0n42	18n 4	0s31	24s17	1s16	21s 0	0s45	21n25	0n57	21s 6	0s20	6n33	7n14	7s46			n.a.

Julian Day Number = 1104789.5, Delta T = 10h58m52s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'39, Lahiri = -27°14'39 Julian Calendar 1 Oct. 1689 BCE == Greg. Calendar 17 Sept. 1689 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

NOVEMBER 1689 BCE (-1688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 43 26	25♎20'11	4♈10	21♎29	12♐43	1♎27	21°R44	15♑ 6	1♒12	0♌11	1♐ 9	13°R37	11♍50	10♓15	n.a.	F 1
S 2	1 47 23	26°21'26	16°15	23° 4	13°44	2°10	21♉38	15° 9	1°12	0°12	1°11	13♍32	11°47	10°22	n.a.	S 2
S 3	1 51 20	27°22'40	28°31	24°38	14°45	2°53	21°31	15°12	1°13	0°12	1°13	13°26	11°44	10°28	n.a.	S 3
M 4	1 55 16	28°23'55	10♉59	26°12	15°45	3°35	21°24	15°16	1°13	0°13	1°15	13°18	11°40	10°35	n.a.	M 4
T 5	1 59 13	29°25'11	23°39	27°47	16°44	4°18	21°17	15°19	1°14	0°13	1°16	13° 9	11°37	10°42	n.a.	T 5
W 6	2 3 9	0♏26'28	6♊32	29°22	17°43	5° 1	21°10	15°23	1°14	0°14	1°18	13° 0	11°34	10°48	n.a.	W 6
T 7	2 7 6	1°27'44	19°36	0♏57	18°42	5°44	21° 3	15°26	1°15	0°14	1°20	12°52	11°31	10°55	n.a.	T 7
F 8	2 11 2	2°29'02	2♋53	2°32	19°40	6°27	20°55	15°30	1°16	0°14	1°22	12°47	11°28	11° 2	n.a.	F 8
S 9	2 14 59	3°30'20	16°22	4° 7	20°38	7° 9	20°48	15°34	1°16	0°14	1°24	12°43	11°25	11° 8	n.a.	S 9
S 10	2 18 56	4°31'39	0♌ 5	5°42	21°35	7°52	20°41	15°38	1°17	0°15	1°25	12°D41	11°21	11°15	n.a.	S 10
M11	2 22 52	5°32'58	14° 0	7°18	22°32	8°35	20°33	15°42	1°18	0°15	1°27	12°41	11°18	11°21	n.a.	M11
T 12	2 26 49	6°34'17	28° 9	8°54	23°28	9°18	20°25	15°46	1°19	0°15	1°29	12°42	11°15	11°28	n.a.	T 12
W13	2 30 45	7°35'38	12♍31	10°30	24°23	10° 1	20°18	15°50	1°20	0°15	1°31	12°R43	11°12	11°35	n.a.	W13
T 14	2 34 42	8°36'58	27° 2	12° 6	25°18	10°44	20°10	15°54	1°21	0°15	1°33	12°42	11° 9	11°41	n.a.	T 14
F 15	2 38 38	9°38'19	11♎40	13°43	26°12	11°28	20° 2	15°59	1°22	0°15	1°35	12°39	11° 6	11°48	n.a.	F 15
S 16	2 42 35	10°39'39	26°17	15°20	27° 6	12°11	19°54	16° 3	1°23	0°R15	1°37	12°33	11° 2	11°55	n.a.	S 16
S 17	2 46 31	11°41'00	10♏48	16°57	27°59	12°54	19°46	16° 8	1°24	0°15	1°38	12°25	10°59	12° 1	n.a.	S 17
M18	2 50 28	12°42'21	25° 5	18°34	28°51	13°37	19°38	16°12	1°25	0°15	1°40	12°14	10°56	12° 8	n.a.	M18
T 19	2 54 25	13°43'42	9♐ 2	20°12	29°42	14°20	19°30	16°17	1°27	0°15	1°42	12° 4	10°53	12°15	n.a.	T 19
W20	2 58 21	14°45'03	22°36	21°50	0♑33	15° 4	19°22	16°22	1°28	0°15	1°44	11°53	10°50	12°21	n.a.	W20
T 21	3 2 18	15°46'23	5♑45	23°28	1°23	15°47	19°14	16°26	1°29	0°15	1°46	11°45	10°46	12°28	n.a.	T 21
F 22	3 6 14	16°47'42	18°29	25° 6	2°12	16°30	19° 6	16°31	1°31	0°15	1°48	11°39	10°43	12°35	n.a.	F 22
S 23	3 10 11	17°49'02	0♒52	26°45	3° 0	17°14	18°58	16°36	1°32	0°15	1°50	11°35	10°40	12°41	n.a.	S 23
S 24	3 14 7	18°50'20	12°58	28°23	3°47	17°57	18°50	16°41	1°33	0°14	1°52	11°33	10°37	12°48	n.a.	S 24
M25	3 18 4	19°51'38	24°53	0♐ 2	4°33	18°41	18°41	16°47	1°35	0°14	1°54	11°D33	10°34	12°55	n.a.	M25
T 26	3 22 1	20°52'55	6♓40	1°41	5°19	19°24	18°33	16°52	1°37	0°14	1°56	11°R33	10°31	13° 1	n.a.	T 26
W27	3 25 57	21°54'12	18°28	3°20	6° 3	20° 8	18°25	16°57	1°38	0°13	1°58	11°33	10°27	13° 8	n.a.	W27
T 28	3 29 54	22°55'28	0♈19	4°59	6°46	20°51	18°17	17° 2	1°40	0°13	2° 0	11°32	10°24	13°14	n.a.	T 28
F 29	3 33 50	23°56'43	12°20	6°37	7°28	21°35	18° 9	17° 8	1°41	0°12	2° 2	11°27	10°21	13°21	n.a.	F 29
S 30	3 37 47	24♏57'57	24♈33	8♐15	8♑ 8	22♎19	18♉ 1	17♑13	1♒43	0♌12	2♐ 4	11♍20	10♍18	13♓28	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s59	0n 1	1s49	8s50	0s20	25s54	3s11	0n 2	0n41	18n 3	0s31	24s17	1s16	21s 0	0s45	21n25	0n57	21s 7	0s20	6n34	7n15	7s44		n.a.
S 2	10 21	3 56	2 48	9 32	0 26	26 1	3 10	0s15	0 41	18 1	0 31	24 16	1 16	21 0	0 45	21 25	0 57	21 7	0 21	6 35	7 16	7 42		n.a.
S 3	10 44	7 45	3 39	10 13	0 33	26 8	3 9	0 33	0 40	17 59	0 31	24 16	1 16	20 59	0 45	21 25	0 57	21 7	0 21	6 38	7 18	7 41		n.a.
M 4	11 6	11 17	4 21	10 54	0 39	26 13	3 8	0 51	0 40	17 58	0 31	24 15	1 16	20 59	0 45	21 25	0 57	21 8	0 21	6 41	7 19	7 39		n.a.
T 5	11 28	14 21	4 50	11 35	0 45	26 18	3 7	1 8	0 39	17 56	0 31	24 15	1 16	20 59	0 45	21 25	0 57	21 8	0 21	6 44	7 20	7 37		n.a.
W 6	11 50	16 47	5 6	12 15	0 51	26 23	3 5	1 26	0 39	17 54	0 30	24 14	1 16	20 59	0 45	21 25	0 57	21 9	0 21	6 48	7 21	7 35		n.a.
T 7	12 12	18 24	5 6	12 54	0 57	26 26	3 3	1 44	0 38	17 52	0 30	24 14	1 16	20 59	0 45	21 24	0 57	21 9	0 21	6 51	7 23	7 34		n.a.
F 8	12 34	19 2	4 49	13 33	1 2	26 29	3 1	2 2	0 38	17 50	0 30	24 13	1 16	20 59	0 45	21 24	0 57	21 10	0 21	6 53	7 24	7 32		n.a.
S 9	12 55	18 37	4 17	14 11	1 8	26 32	2 59	2 19	0 37	17 48	0 30	24 13	1 16	20 58	0 45	21 24	0 57	21 10	0 21	6 55	7 25	7 30		n.a.
S 10	13 16	17 7	3 29	14 49	1 13	26 33	2 57	2 37	0 37	17 47	0 30	24 12	1 16	20 58	0 45	21 24	0 57	21 11	0 21	6 55	7 26	7 28		n.a.
M11	13 37	14 34	2 28	15 26	1 18	26 34	2 54	2 55	0 36	17 45	0 30	24 12	1 16	20 58	0 44	21 24	0 57	21 11	0 21	6 55	7 28	7 27		n.a.
T 12	13 58	11 8	1 18	16 3	1 23	26 35	2 51	3 12	0 36	17 43	0 30	24 11	1 16	20 58	0 44	21 24	0 57	21 12	0 21	6 55	7 29	7 25		n.a.
W13	14 18	6 58	0 1	16 38	1 28	26 34	2 48	3 30	0 35	17 41	0 30	24 11	1 16	20 58	0 44	21 24	0 57	21 12	0 21	6 55	7 30	7 23		n.a.
T 14	14 38	2 22	1n16	17 13	1 33	26 33	2 45	3 48	0 35	17 39	0 29	24 10	1 16	20 57	0 44	21 25	0 57	21 13	0 22	6 55	7 31	7 21		n.a.
F 15	14 58	2s25	2 29	17 47	1 37	26 32	2 42	4 6	0 34	17 37	0 29	24 10	1 16	20 57	0 44	21 25	0 57	21 13	0 22	6 56	7 32	7 19		n.a.
S 16	15 18	7 3	3 31	18 21	1 41	26 30	2 38	4 23	0 34	17 35	0 29	24 9	1 15	20 57	0 44	21 25	0 57	21 14	0 22	6 59	7 34	7 18		n.a.
S 17	15 37	11 14	4 20	18 53	1 45	26 27	2 34	4 41	0 33	17 33	0 29	24 9	1 15	20 56	0 44	21 25	0 57	21 14	0 22	7 2	7 35	7 16		n.a.
M18	15 56	14 41	4 51	19 25	1 49	26 23	2 30	4 59	0 32	17 31	0 29	24 8	1 15	20 56	0 44	21 25	0 58	21 14	0 22	7 6	7 36	7 14		n.a.
T 19	16 15	17 13	5 4	19 55	1 52	26 19	2 26	5 16	0 32	17 28	0 29	24 7	1 15	20 56	0 44	21 25	0 58	21 15	0 22	7 10	7 37	7 12		n.a.
W20	16 34	18 42	4 59	20 25	1 55	26 15	2 21	5 34	0 31	17 26	0 29	24 7	1 15	20 55	0 44	21 25	0 58	21 15	0 22	7 14	7 39	7 11		n.a.
T 21	16 52	19 8	4 38	20 53	1 58	26 9	2 17	5 51	0 31	17 24	0 28	24 6	1 15	20 55	0 44	21 25	0 58	21 16	0 22	7 17	7 40	7 9		n.a.
F 22	17 10	18 33	4 4	21 20	2 0	26 4	2 12	6 9	0 30	17 22	0 28	24 5	1 15	20 55	0 44	21 25	0 58	21 16	0 22	7 20	7 41	7 7		n.a.
S 23	17 28	17 6	3 19	21 46	2 2	25 57	2 6	6 26	0 30	17 20	0 28	24 5	1 15	20 54	0 44	21 25	0 58	21 17	0 22	7 21	7 42	7 5		n.a.
S 24	17 45	14 54	2 26	22 11	2 3	25 51	2 1	6 44	0 29	17 18	0 28	24 4	1 15	20 54	0 44	21 25	0 58	21 17	0 22	7 22	7 43	7 4		n.a.
M25	18 2	12 6	1 28	22 34	2 4	25 43	1 55	7 1	0 28	17 16	0 28	24 3	1 15	20 54	0 44	21 25	0 58	21 18	0 23	7 22	7 45	7 2		n.a.
T 26	18 19	8 49	0 26	22 56	2 5	25 35	1 49	7 18	0 28	17 14	0 28	24 3	1 15	20 53	0 44	21 25	0 58	21 18	0 23	7 22	7 46	7 0		n.a.
W27	18 35	5 12	0s37	23 16	2 5	25 27	1 42	7 36	0 27	17 12	0 27	24 2	1 15	20 53	0 44	21 25	0 58	21 19	0 23	7 22	7 47	6 58		n.a.
T 28	18 51	1 22	1 38	23 34	2 5	25 18	1 36	7 53	0 26	17 10	0 27	24 1	1 15	20 53	0 44	21 26	0 58	21 19	0 23	7 22	7 48	6 56		n.a.
F 29	19 7	2n35	2 36	23 51	2 4	25 9	1 29	8 10	0 26	17 7	0 27	24 0	1 15	20 52	0 44	21 26	0 58	21 20	0 23	7 24	7 50	6 55		n.a.
S 30	19s22	6n29	3s27	24s 6	2s 2	24s59	1s22	8s27	0n25	17n 5	0s27	24s 0	1s15	20s52	0s44	21n26	0n58	21s20	0s23	7n27	7n51	6s53		n.a.

Julian Day Number = 1104820.5, Delta T = 10h58m50s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'35, Lahiri = -27°14'35 Julian Calendar 1 Nov. 1689 BCE == Greg. Calendar 18 Oct. 1689 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1689 BCE
geocentric

DECEMBER 1689 BCE (-1688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 41 43	25♏59'10	7♉ 2	9♐53	8♑48	23♎ 2	17°R53	17♑19	1♒45	0°R12	2♐ 6	11°R11	10♍15	13♓34	n.a.	S 1
M 2	3 45 40	27° 0'23	19°47	11°30	9°26	23°46	17♉45	17°25	1°47	0♌11	2° 8	10♍59	10°12	13°41	n.a.	M 2
T 3	3 49 36	28° 1'36	2♊48	13° 5	10° 3	24°30	17°37	17°30	1°49	0°10	2°10	10°46	10° 8	13°48	n.a.	T 3
W 4	3 53 33	29° 2'47	16° 4	14°40	10°39	25°14	17°29	17°36	1°51	0°10	2°12	10°32	10° 5	13°54	n.a.	W 4
T 5	3 57 30	0♐ 3'58	29°33	16°13	11°13	25°57	17°22	17°42	1°53	0° 9	2°14	10°20	10° 2	14° 1	n.a.	T 5
F 6	4 1 26	1° 5'08	13♋12	17°44	11°45	26°41	17°14	17°48	1°55	0° 9	2°16	10°11	9°59	14° 8	n.a.	F 6
S 7	4 5 23	2° 6'18	26°59	19°13	12°16	27°25	17° 6	17°54	1°57	0° 8	2°18	10° 4	9°56	14°14	n.a.	S 7
S 8	4 9 19	3° 7'27	10♌52	20°39	12°46	28° 9	16°59	18° 0	1°59	0° 7	2°20	10° 0	9°52	14°21	n.a.	S 8
M 9	4 13 16	4° 8'35	24°51	22° 2	13°14	28°53	16°51	18° 6	2° 1	0° 7	2°22	9°59	9°49	14°28	n.a.	M 9
T 10	4 17 12	5° 9'43	8♍53	23°21	13°40	29°37	16°44	18°12	2° 3	0° 6	2°24	9°59	9°46	14°34	n.a.	T 10
W11	4 21 9	6°10'50	23° 0	24°35	14° 4	0♏21	16°37	18°18	2° 5	0° 5	2°26	9°59	9°43	14°41	n.a.	W11
T 12	4 25 6	7°11'56	7♎ 9	25°44	14°26	1° 5	16°29	18°24	2° 8	0° 4	2°28	9°57	9°40	14°47	n.a.	T 12
F 13	4 29 2	8°13'02	21°20	26°46	14°47	1°49	16°22	18°31	2°10	0° 3	2°30	9°52	9°37	14°54	n.a.	F 13
S 14	4 32 59	9°14'07	5♏30	27°42	15° 5	2°34	16°15	18°37	2°12	0° 2	2°32	9°45	9°33	15° 1	n.a.	S 14
S 15	4 36 55	10°15'10	19°34	28°30	15°22	3°18	16° 9	18°44	2°15	0° 1	2°34	9°35	9°30	15° 7	n.a.	S 15
M16	4 40 52	11°16'13	3♐29	29° 9	15°36	4° 2	16° 2	18°50	2°17	0° 1	2°36	9°22	9°27	15°14	n.a.	M16
T 17	4 44 48	12°17'15	17° 9	29°39	15°48	4°46	15°55	18°57	2°19	29♋59	2°38	9° 9	9°24	15°21	n.a.	T 17
W18	4 48 45	13°18'15	0♑31	29°58	15°58	5°30	15°49	19° 3	2°22	29°59	2°40	8°56	9°21	15°27	n.a.	W18
T 19	4 52 41	14°19'14	13°33	0°R 7	16° 6	6°15	15°42	19°10	2°24	29°58	2°42	8°44	9°18	15°34	n.a.	T 19
F 20	4 56 38	15°20'12	26°14	0♑ 5	16°11	6°59	15°36	19°16	2°27	29°56	2°44	8°36	9°14	15°41	n.a.	F 20
S 21	5 0 35	16°21'08	8♒36	29♐52	16°14	7°43	15°30	19°23	2°29	29°55	2°46	8°30	9°11	15°47	n.a.	S 21
S 22	5 4 31	17°22'02	20°43	29°27	16°R14	8°28	15°24	19°30	2°32	29°54	2°48	8°26	9° 8	15°54	n.a.	S 22
M23	5 8 28	18°22'55	2♓38	28°52	16°12	9°12	15°18	19°37	2°35	29°53	2°50	8°25	9° 5	16° 1	n.a.	M23
T 24	5 12 24	19°23'46	14°27	28° 7	16° 8	9°57	15°13	19°43	2°37	29°52	2°52	8°25	9° 2	16° 7	n.a.	T 24
W25	5 16 21	20°24'35	26°15	27°14	16° 1	10°41	15° 7	19°50	2°40	29°51	2°54	8°25	8°58	16°14	n.a.	W25
T 26	5 20 17	21°25'22	8♈ 7	26°13	15°51	11°26	15° 2	19°57	2°43	29°50	2°56	8°24	8°55	16°21	n.a.	T 26
F 27	5 24 14	22°26'08	20°10	25° 7	15°38	12°10	14°57	20° 4	2°46	29°48	2°58	8°21	8°52	16°27	n.a.	F 27
S 28	5 28 11	23°26'52	2♉27	23°57	15°24	12°55	14°52	20°11	2°48	29°47	3° 0	8°15	8°49	16°34	n.a.	S 28
S 29	5 32 7	24°27'34	15° 2	22°46	15° 6	13°39	14°47	20°18	2°51	29°46	3° 2	8° 6	8°46	16°40	n.a.	S 29
M30	5 36 4	25°28'15	27°59	21°36	14°46	14°24	14°43	20°25	2°54	29°45	3° 3	7°56	8°43	16°47	n.a.	M30
T 31	5 40 0	26♐28'53	11♊16	20♐27	14♑24	15♏ 8	14♉38	20♑32	2♒57	29♋43	3♐ 5	7♍44	8♍39	16♓54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s37	10n11	4s10	24s20	2s 0	24s49	1s14	8s44	0n25	17n 3	0s27	23s59	1s15	20s51	0s44	21n26	0n58	21s21	0s23	7n30	7n52	6s51		n.a.
M 2	19 51	13 30	4 41	24 31	1 57	24 39	1 6	9 1	0 24	17 1	0 27	23 58	1 15	20 51	0 44	21 26	0 58	21 21	0 23	7 35	7 53	6 49		n.a.
T 3	20 5	16 14	4 58	24 41	1 54	24 28	0 58	9 18	0 23	16 59	0 26	23 57	1 15	20 50	0 44	21 26	0 58	21 22	0 23	7 40	7 54	6 48		n.a.
W 4	20 19	18 11	4 59	24 48	1 50	24 17	0 50	9 35	0 23	16 57	0 26	23 57	1 15	20 50	0 44	21 27	0 58	21 22	0 23	7 45	7 56	6 46		n.a.
T 5	20 33	19 9	4 44	24 53	1 44	24 5	0 41	9 52	0 22	16 55	0 26	23 56	1 15	20 49	0 44	21 27	0 58	21 23	0 23	7 50	7 57	6 44		n.a.
F 6	20 46	19 1	4 13	24 57	1 38	23 53	0 32	10 9	0 21	16 53	0 26	23 55	1 15	20 49	0 44	21 27	0 58	21 23	0 24	7 54	7 58	6 42		n.a.
S 7	20 58	17 47	3 27	24 58	1 32	23 41	0 23	10 26	0 21	16 51	0 26	23 54	1 15	20 48	0 44	21 27	0 58	21 24	0 24	7 56	7 59	6 40		n.a.
S 8	21 10	15 28	2 27	24 57	1 24	23 29	0 13	10 42	0 20	16 49	0 26	23 53	1 15	20 48	0 44	21 27	0 58	21 24	0 24	7 58	8 1	6 39		n.a.
M 9	21 22	12 15	1 19	24 54	1 15	23 16	0 3	10 59	0 19	16 47	0 25	23 52	1 15	20 47	0 44	21 27	0 58	21 25	0 24	7 58	8 2	6 37		n.a.
T 10	21 34	8 18	0 6	24 48	1 5	23 3	0n 7	11 15	0 19	16 45	0 25	23 52	1 15	20 47	0 44	21 28	0 58	21 25	0 24	7 58	8 3	6 35		n.a.
W11	21 45	3 52	1n 8	24 41	0 54	22 50	0 18	11 32	0 18	16 43	0 25	23 51	1 15	20 46	0 44	21 28	0 59	21 26	0 24	7 58	8 4	6 33		n.a.
T 12	21 55	0s47	2 18	24 32	0 43	22 36	0 29	11 48	0 17	16 41	0 25	23 50	1 15	20 46	0 43	21 28	0 59	21 26	0 24	7 59	8 5	6 31		n.a.
F 13	22 5	5 24	3 20	24 21	0 30	22 23	0 41	12 4	0 17	16 39	0 25	23 49	1 15	20 45	0 43	21 28	0 59	21 27	0 24	8 1	8 7	6 30		n.a.
S 14	22 15	9 42	4 9	24 8	0 16	22 9	0 52	12 20	0 16	16 37	0 24	23 48	1 15	20 45	0 43	21 29	0 59	21 27	0 24	8 3	8 8	6 28		n.a.
S 15	22 24	13 26	4 42	23 54	0 1	21 55	1 4	12 36	0 15	16 35	0 24	23 47	1 15	20 44	0 43	21 29	0 59	21 28	0 24	8 7	8 9	6 26		n.a.
M16	22 33	16 21	4 59	23 38	0n15	21 41	1 16	12 52	0 14	16 34	0 24	23 46	1 15	20 43	0 43	21 29	0 59	21 28	0 24	8 12	8 10	6 24		n.a.
T 17	22 41	18 19	4 57	23 21	0 32	21 28	1 29	13 8	0 14	16 32	0 24	23 45	1 15	20 43	0 43	21 29	0 59	21 29	0 25	8 17	8 12	6 22		n.a.
W18	22 49	19 14	4 40	23 4	0 50	21 14	1 42	13 24	0 13	16 30	0 24	23 44	1 15	20 42	0 43	21 30	0 59	21 29	0 25	8 22	8 13	6 20		n.a.
T 19	22 57	19 5	4 7	22 46	1 8	21 0	1 55	13 40	0 12	16 29	0 23	23 43	1 15	20 42	0 43	21 30	0 59	21 30	0 25	8 27	8 14	6 19		n.a.
F 20	23 4	17 58	3 24	22 27	1 26	20 46	2 9	13 55	0 12	16 27	0 23	23 42	1 15	20 41	0 43	21 30	0 59	21 30	0 25	8 30	8 15	6 17		n.a.
S 21	23 10	16 1	2 31	22 9	1 45	20 32	2 22	14 11	0 11	16 25	0 23	23 41	1 15	20 40	0 43	21 30	0 59	21 31	0 25	8 32	8 16	6 15		n.a.
S 22	23 17	13 24	1 32	21 50	2 3	20 18	2 36	14 26	0 10	16 24	0 23	23 40	1 15	20 40	0 43	21 31	0 59	21 31	0 25	8 33	8 18	6 13		n.a.
M23	23 22	10 15	0 31	21 32	2 21	20 4	2 50	14 41	0 9	16 22	0 23	23 39	1 15	20 39	0 43	21 31	0 59	21 32	0 25	8 34	8 19	6 11		n.a.
T 24	23 27	6 43	0s32	21 15	2 38	19 50	3 5	14 56	0 9	16 21	0 23	23 38	1 15	20 39	0 43	21 31	0 59	21 32	0 25	8 34	8 20	6 10		n.a.
W25	23 32	2 56	1 33	20 58	2 53	19 37	3 19	15 11	0 8	16 19	0 22	23 37	1 15	20 38	0 43	21 31	0 59	21 33	0 25	8 34	8 21	6 8		n.a.
T 26	23 36	0n59	2 31	20 43	3 8	19 23	3 34	15 26	0 7	16 18	0 22	23 36	1 15	20 37	0 43	21 32	0 59	21 33	0 25	8 34	8 22	6 6		n.a.
F 27	23 40	4 54	3 22	20 28	3 20	19 10	3 49	15 40	0 6	16 17	0 22	23 35	1 15	20 37	0 43	21 32	0 59	21 34	0 25	8 36	8 24	6 4		n.a.
S 28	23 43	8 42	4 6	20 15	3 30	18 57	4 3	15 55	0 6	16 15	0 22	23 34	1 15	20 36	0 43	21 32	0 59	21 34	0 26	8 38	8 25	6 2		n.a.
S 29	23 46	12 13	4 38	20 4	3 38	18 45	4 18	16 9	0 5	16 14	0 22	23 33	1 15	20 35	0 43	21 33	0 59	21 34	0 26	8 41	8 26	6 0		n.a.
M30	23 49	15 15	4 58	19 54	3 43	18 32	4 33	16 24	0 4	16 13	0 21	23 32	1 15	20 35	0 43	21 33	0 59	21 35	0 26	8 45	8 27	5 59		n.a.
T 31	23s50	17n35	5s 1	19s46	3n47	18s20	4n47	16s38	0n 3	16n12	0s21	23s31	1s15	20s34	0s43	21n33	0n59	21s35	0s26	8n50	8n29	5s57		n.a.

Julian Day Number = 1104850.5, Delta T = 10h58m48s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'31, Lahiri = -27°14'30 Julian Calendar 1 Dec. 1689 BCE == Greg. Calendar 17 Nov. 1689 BCE

The year -1688 astronomical counting style corresponds to year 1689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

JANUARY 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 43 57	27♐29'30	24♊54	19°R22	14°R 0	15♏53	14°R34	20♑39	3♒ 0	29°R42	3♐ 7	7°R32	8♍36	17♓ 0	n.a.	W 1
T 2	5 47 53	28°30'06	8♋48	18♐23	13♑33	16°38	14♉30	20°46	3° 3	29♋41	3° 9	7♍21	8°33	17° 7	n.a.	T 2
F 3	5 51 50	29°30'39	22°54	17°30	13° 4	17°23	14°26	20°54	3° 6	29°39	3°11	7°12	8°30	17°14	n.a.	F 3
S 4	5 55 46	0♑31'11	7♌ 8	16°43	12°34	18° 7	14°22	21° 1	3° 9	29°38	3°13	7° 6	8°27	17°20	n.a.	S 4
S 5	5 59 43	1°31'42	21°24	16° 4	12° 2	18°52	14°19	21° 8	3°12	29°37	3°15	7° 2	8°23	17°27	n.a.	S 5
M 6	6 3 40	2°32'11	5♍40	15°33	11°28	19°37	14°15	21°15	3°15	29°35	3°16	7°D 1	8°20	17°34	n.a.	M 6
T 7	6 7 36	3°32'38	19°52	15°10	10°53	20°22	14°12	21°23	3°18	29°34	3°18	7° 2	8°17	17°40	n.a.	T 7
W 8	6 11 33	4°33'04	3♎58	14°54	10°17	21° 7	14° 9	21°30	3°21	29°32	3°20	7°R 2	8°14	17°47	n.a.	W 8
T 9	6 15 29	5°33'28	17°59	14°45	9°40	21°51	14° 6	21°37	3°24	29°31	3°22	7° 2	8°11	17°54	n.a.	T 9
F 10	6 19 26	6°33'50	1♏53	14°D44	9° 3	22°36	14° 4	21°45	3°27	29°29	3°24	6°59	8° 8	18° 0	n.a.	F 10
S 11	6 23 22	7°34'11	15°40	14°49	8°25	23°21	14° 1	21°52	3°30	29°28	3°25	6°54	8° 4	18° 7	n.a.	S 11
S 12	6 27 19	8°34'31	29°18	15° 0	7°47	24° 6	13°59	21°59	3°33	29°26	3°27	6°46	8° 1	18°14	n.a.	S 12
M13	6 31 15	9°34'49	12♐45	15°18	7°10	24°51	13°57	22° 7	3°37	29°25	3°29	6°36	7°58	18°20	n.a.	M13
T 14	6 35 12	10°35'04	26° 0	15°41	6°33	25°36	13°55	22°14	3°40	29°23	3°30	6°26	7°55	18°27	n.a.	T 14
W15	6 39 9	11°35'19	9♑ 1	16° 9	5°56	26°21	13°54	22°22	3°43	29°22	3°32	6°16	7°52	18°34	n.a.	W15
T 16	6 43 5	12°35'31	21°46	16°42	5°21	27° 6	13°52	22°29	3°46	29°20	3°34	6° 7	7°49	18°40	n.a.	T 16
F 17	6 47 2	13°35'40	4♒16	17°19	4°47	27°51	13°51	22°37	3°49	29°18	3°35	6° 0	7°45	18°47	n.a.	F 17
S 18	6 50 58	14°35'48	16°32	18° 1	4°14	28°36	13°50	22°44	3°53	29°17	3°37	5°56	7°42	18°53	n.a.	S 18
S 19	6 54 55	15°35'54	28°35	18°46	3°42	29°21	13°49	22°52	3°56	29°15	3°39	5°54	7°39	19° 0	n.a.	S 19
M20	6 58 51	16°35'57	10♓29	19°35	3°13	0♐ 7	13°49	22°59	3°59	29°14	3°40	5°D54	7°36	19° 7	n.a.	M20
T 21	7 2 48	17°35'58	22°18	20°27	2°45	0°52	13°48	23° 7	4° 3	29°12	3°42	5°55	7°33	19°13	n.a.	T 21
W22	7 6 44	18°35'57	4♈ 5	21°22	2°19	1°37	13°48	23°14	4° 6	29°10	3°43	5°56	7°29	19°20	n.a.	W22
T 23	7 10 41	19°35'53	15°57	22°21	1°56	2°22	13°D48	23°22	4° 9	29° 9	3°45	5°R57	7°26	19°27	n.a.	T 23
F 24	7 14 37	20°35'47	27°59	23°21	1°35	3° 7	13°48	23°29	4°13	29° 7	3°46	5°57	7°23	19°33	n.a.	F 24
S 25	7 18 34	21°35'39	10♉16	24°25	1°16	3°52	13°48	23°37	4°16	29° 6	3°48	5°55	7°20	19°40	n.a.	S 25
S 26	7 22 31	22°35'28	22°52	25°30	0°59	4°37	13°49	23°44	4°19	29° 4	3°49	5°51	7°17	19°47	n.a.	S 26
M27	7 26 27	23°35'15	5♊51	26°38	0°45	5°23	13°50	23°52	4°23	29° 2	3°51	5°46	7°14	19°53	n.a.	M27
T 28	7 30 24	24°34'59	19°15	27°48	0°33	6° 8	13°51	23°59	4°26	29° 1	3°52	5°39	7°10	20° 0	n.a.	T 28
W29	7 34 20	25°34'41	3♋ 3	29° 0	0°24	6°53	13°52	24° 7	4°29	28°59	3°54	5°32	7° 7	20° 7	n.a.	W29
T 30	7 38 17	26°34'21	17°14	0♑14	0°18	7°38	13°53	24°14	4°33	28°57	3°55	5°26	7° 4	20°13	n.a.	T 30
F 31	7 42 13	27♑33'59	1♌42	1♑30	0♑13	8♐24	13♉55	24♑22	4♒36	28♋56	3♐56	5♍21	7♍ 1	20♓20	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23 s52	18n59	4 s48	19 s40	3n48	18 s 8	5n 1	16 s52	0n 2	16n11	0 s21	23 s30	1 s15	20 s33	0 s43	21n34	0n59	21 s36	0 s26	8n54	8n30	5 s55			n.a.
T 2	23 53	19 18	4 18	19 37	3 47	17 57	5 16	17 6	0 2	16 10	0 21	23 29	1 15	20 32	0 43	21 34	0 59	21 36	0 26	8 58	8 31	5 53			n.a.
F 3	23 53	18 25	3 32	19 35	3 43	17 46	5 29	17 19	0 1	16 9	0 21	23 28	1 15	20 32	0 43	21 34	0 59	21 37	0 26	9 2	8 32	5 51			n.a.
S 4	23 53	16 23	2 32	19 35	3 39	17 36	5 43	17 33	0 0	16 8	0 20	23 27	1 15	20 31	0 43	21 35	0 59	21 37	0 26	9 4	8 33	5 49			n.a.
S 5	23 53	13 20	1 22	19 38	3 32	17 26	5 56	17 46	0 s 1	16 7	0 20	23 26	1 15	20 30	0 43	21 35	0 59	21 38	0 26	9 5	8 35	5 48			n.a.
M 6	23 52	9 30	0 7	19 42	3 25	17 16	6 8	18 0	0 2	16 6	0 20	23 25	1 15	20 30	0 43	21 35	0 59	21 38	0 26	9 6	8 36	5 46			n.a.
T 7	23 50	5 8	1n 8	19 48	3 16	17 7	6 20	18 13	0 2	16 5	0 20	23 23	1 15	20 29	0 43	21 36	0 59	21 39	0 26	9 6	8 37	5 44			n.a.
W 8	23 48	0 30	2 19	19 56	3 6	16 58	6 32	18 25	0 3	16 4	0 19	23 22	1 15	20 28	0 43	21 36	0 59	21 39	0 27	9 5	8 38	5 42			n.a.
T 9	23 46	4 s 6	3 21	20 5	2 56	16 51	6 42	18 38	0 4	16 4	0 19	23 21	1 15	20 27	0 43	21 36	1 0	21 39	0 27	9 6	8 39	5 40			n.a.
F 10	23 43	8 27	4 10	20 16	2 45	16 43	6 52	18 51	0 5	16 3	0 19	23 20	1 15	20 27	0 43	21 37	1 0	21 40	0 27	9 7	8 41	5 38			n.a.
S 11	23 40	12 18	4 45	20 27	2 34	16 36	7 1	19 3	0 6	16 3	0 19	23 19	1 15	20 26	0 43	21 37	1 0	21 40	0 27	9 9	8 42	5 37			n.a.
S 12	23 36	15 27	5 2	20 40	2 23	16 30	7 10	19 15	0 7	16 2	0 19	23 18	1 15	20 25	0 43	21 37	1 0	21 41	0 27	9 12	8 43	5 35			n.a.
M13	23 32	17 44	5 3	20 53	2 11	16 25	7 17	19 27	0 7	16 2	0 19	23 16	1 15	20 24	0 43	21 38	1 0	21 41	0 27	9 15	8 44	5 33			n.a.
T 14	23 27	19 2	4 48	21 8	1 59	16 20	7 24	19 39	0 8	16 1	0 18	23 15	1 15	20 23	0 43	21 38	1 0	21 42	0 27	9 19	8 45	5 31			n.a.
W15	23 22	19 18	4 17	21 22	1 48	16 16	7 29	19 51	0 9	16 1	0 18	23 14	1 15	20 23	0 43	21 38	1 0	21 42	0 27	9 23	8 47	5 29			n.a.
T 16	23 17	18 34	3 34	21 37	1 36	16 13	7 34	20 2	0 10	16 1	0 18	23 13	1 15	20 22	0 43	21 39	1 0	21 42	0 27	9 26	8 48	5 27			n.a.
F 17	23 11	16 56	2 42	21 52	1 24	16 10	7 38	20 14	0 11	16 1	0 18	23 12	1 15	20 21	0 43	21 39	1 0	21 43	0 27	9 29	8 49	5 25			n.a.
S 18	23 4	14 33	1 42	22 8	1 13	16 8	7 41	20 25	0 12	16 1	0 18	23 10	1 16	20 20	0 43	21 39	1 0	21 43	0 28	9 30	8 50	5 24			n.a.
S 19	22 57	11 34	0 39	22 23	1 2	16 7	7 44	20 36	0 13	16 1	0 17	23 9	1 16	20 20	0 43	21 40	1 0	21 44	0 28	9 31	8 51	5 22			n.a.
M20	22 50	8 9	0 s25	22 38	0 51	16 6	7 45	20 46	0 13	16 0	0 17	23 8	1 16	20 19	0 43	21 40	1 0	21 44	0 28	9 31	8 53	5 20			n.a.
T 21	22 42	4 27	1 28	22 53	0 40	16 6	7 46	20 57	0 14	16 1	0 17	23 7	1 16	20 18	0 43	21 41	1 0	21 45	0 28	9 31	8 54	5 18			n.a.
W22	22 34	0 35	2 27	23 7	0 29	16 7	7 45	21 7	0 15	16 1	0 17	23 5	1 16	20 17	0 43	21 41	1 0	21 45	0 28	9 30	8 55	5 16			n.a.
T 23	22 26	3n20	3 20	23 21	0 19	16 8	7 44	21 17	0 16	16 1	0 17	23 4	1 16	20 16	0 43	21 41	1 0	21 45	0 28	9 30	8 56	5 14			n.a.
F 24	22 17	7 9	4 5	23 34	0 9	16 10	7 43	21 27	0 17	16 1	0 16	23 3	1 16	20 15	0 43	21 42	1 0	21 46	0 28	9 30	8 58	5 12			n.a.
S 25	22 7	10 45	4 40	23 47	0 s 1	16 13	7 40	21 37	0 18	16 1	0 16	23 2	1 16	20 15	0 43	21 42	1 0	21 46	0 28	9 31	8 59	5 11			n.a.
S 26	21 57	13 58	5 2	23 59	0 11	16 16	7 37	21 46	0 19	16 2	0 16	23 0	1 16	20 14	0 43	21 42	1 0	21 46	0 28	9 32	9 0	5 9			n.a.
M27	21 47	16 36	5 10	24 11	0 20	16 19	7 34	21 55	0 20	16 2	0 16	22 59	1 16	20 13	0 43	21 43	1 0	21 47	0 28	9 34	9 1	5 7			n.a.
T 28	21 36	18 26	5 1	24 21	0 29	16 24	7 30	22 4	0 21	16 3	0 16	22 58	1 16	20 12	0 43	21 43	1 0	21 47	0 29	9 37	9 2	5 5			n.a.
W29	21 25	19 16	4 35	24 30	0 37	16 28	7 25	22 13	0 22	16 3	0 15	22 57	1 16	20 11	0 43	21 43	1 0	21 48	0 29	9 39	9 4	5 3			n.a.
T 30	21 14	18 55	3 52	24 39	0 45	16 33	7 20	22 22	0 22	16 4	0 15	22 55	1 16	20 11	0 43	21 44	1 0	21 48	0 29	9 42	9 5	5 1			n.a.
F 31	21 s 2	17n21	2 s53	24 s46	0 s53	16 s39	7n14	22 s30	0 s23	16n 4	0 s15	22 s54	1 s16	20 s10	0 s43	21n44	1n 0	21 s48	0 s29	9n43	9n 6	4 s59			n.a.

Julian Day Number = 1104881.5, Delta T = 10h58m46s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'27, Lahiri = -27°14'26 Julian Calendar 1 Jan. 1688 BCE == Greg. Calendar 18 Dec. 1689 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

FEBRUARY 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 46 10	28♉33'35	16♌21	2♉48	0°D12	9♐ 9	13♉56	24♉29	4♒39	28°R54	3♐58	5°R18	6♍58	20♓27	n.a.	S 1
S 2	7 50 6	29°33'08	1♍ 4	4° 7	0♉12	9°54	13°58	24°37	4°43	28♋52	3°59	5°D17	6°55	20°33	n.a.	S 2
M 3	7 54 3	0♒32'39	15°45	5°28	0°15	10°39	14° 0	24°44	4°46	28°51	4° 0	5♍17	6°51	20°40	n.a.	M 3
T 4	7 58 0	1°32'09	0♎18	6°51	0°21	11°25	14° 3	24°52	4°50	28°49	4° 1	5°18	6°48	20°47	n.a.	T 4
W 5	8 1 56	2°31'36	14°39	8°15	0°28	12°10	14° 5	24°59	4°53	28°47	4° 3	5°20	6°45	20°53	n.a.	W 5
T 6	8 5 53	3°31'01	28°45	9°40	0°38	12°55	14° 8	25° 7	4°57	28°46	4° 4	5°R21	6°42	21° 0	n.a.	T 6
F 7	8 9 49	4°30'25	12♏36	11° 7	0°50	13°41	14°10	25°14	5° 0	28°44	4° 5	5°20	6°39	21° 6	n.a.	F 7
S 8	8 13 46	5°29'47	26°11	12°36	1° 5	14°26	14°14	25°22	5° 3	28°42	4° 6	5°19	6°35	21°13	n.a.	S 8
S 9	8 17 42	6°29'07	9♐32	14° 6	1°21	15°12	14°17	25°29	5° 7	28°41	4° 7	5°16	6°32	21°20	n.a.	S 9
M10	8 21 39	7°28'25	22°37	15°37	1°39	15°57	14°20	25°37	5°10	28°39	4° 8	5°12	6°29	21°26	n.a.	M10
T 11	8 25 35	8°27'41	5♉29	17°10	1°59	16°42	14°24	25°44	5°14	28°37	4°10	5° 8	6°26	21°33	n.a.	T 11
W12	8 29 32	9°26'55	18° 8	18°44	2°21	17°28	14°27	25°51	5°17	28°36	4°11	5° 3	6°23	21°40	n.a.	W12
T 13	8 33 28	10°26'06	0♒35	20°20	2°45	18°13	14°31	25°59	5°20	28°34	4°12	5° 0	6°20	21°46	n.a.	T 13
F 14	8 37 25	11°25'16	12°50	21°57	3°10	18°59	14°35	26° 6	5°24	28°33	4°13	4°57	6°16	21°53	n.a.	F 14
S 15	8 41 22	12°24'23	24°55	23°35	3°37	19°44	14°40	26°14	5°27	28°31	4°14	4°55	6°13	22° 0	n.a.	S 15
S 16	8 45 18	13°23'28	6♓51	25°15	4° 6	20°29	14°44	26°21	5°31	28°29	4°15	4°D55	6°10	22° 6	n.a.	S 16
M17	8 49 15	14°22'31	18°42	26°56	4°36	21°15	14°49	26°28	5°34	28°28	4°16	4°56	6° 7	22°13	n.a.	M17
T 18	8 53 11	15°21'31	0♈30	28°38	5° 7	22° 0	14°53	26°36	5°37	28°26	4°16	4°57	6° 4	22°20	n.a.	T 18
W19	8 57 8	16°20'29	12°18	0♒22	5°40	22°46	14°58	26°43	5°41	28°25	4°17	4°58	6° 1	22°26	n.a.	W19
T 20	9 1 4	17°19'25	24°10	2° 8	6°15	23°31	15° 3	26°50	5°44	28°23	4°18	5° 0	5°57	22°33	n.a.	T 20
F 21	9 5 1	18°18'18	6♉11	3°54	6°50	24°16	15° 9	26°57	5°47	28°22	4°19	5° 1	5°54	22°40	n.a.	F 21
S 22	9 8 57	19°17'09	18°26	5°43	7°27	25° 2	15°14	27° 4	5°51	28°20	4°20	5°R 1	5°51	22°46	n.a.	S 22
S 23	9 12 54	20°15'57	0♊59	7°32	8° 5	25°47	15°20	27°12	5°54	28°18	4°21	5° 1	5°48	22°53	n.a.	S 23
M24	9 16 50	21°14'43	13°54	9°23	8°44	26°32	15°25	27°19	5°57	28°17	4°21	5° 0	5°45	23° 0	n.a.	M24
T 25	9 20 47	22°13'27	27°15	11°16	9°24	27°18	15°31	27°26	6° 1	28°15	4°22	4°59	5°41	23° 6	n.a.	T 25
W26	9 24 44	23°12'08	11♋ 2	13°10	10° 6	28° 3	15°37	27°33	6° 4	28°14	4°23	4°57	5°38	23°13	n.a.	W26
T 27	9 28 40	24°10'47	25°16	15° 5	10°48	28°49	15°44	27°40	6° 7	28°13	4°23	4°56	5°35	23°19	n.a.	T 27
F 28	9 32 37	25♒ 9'24	9♌52	17♒ 2	11♉31	29♐34	15♉50	27♉47	6♒11	28♋11	4♐24	4♍55	5♍32	23♓26	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s50	14n37	1s41	24s52	1s 1	16s45	7n 8	22s38	0s24	16n 5	0s15	22s53	1s16	20s 9	0s43	21n45	1n 0	21s49	0s29	9n45	9n 7	4s57		n.a.
S 2	20 38	10 56	0 23	24 57	1 8	16 51	7 2	22 46	0 25	16 6	0 15	22 51	1 17	20 8	0 43	21 45	1 0	21 49	0 29	9 45	9 8	4 56		n.a.
M 3	20 25	6 36	0n57	25 1	1 15	16 58	6 55	22 54	0 26	16 7	0 14	22 50	1 17	20 7	0 43	21 45	1 0	21 49	0 29	9 45	9 10	4 54		n.a.
T 4	20 11	1 54	2 13	25 4	1 21	17 5	6 48	23 1	0 27	16 7	0 14	22 49	1 17	20 6	0 43	21 46	1 0	21 50	0 29	9 44	9 11	4 52		n.a.
W 5	19 58	2s50	3 19	25 5	1 28	17 12	6 41	23 8	0 28	16 8	0 14	22 47	1 17	20 6	0 43	21 46	1 0	21 50	0 29	9 44	9 12	4 50		n.a.
T 6	19 44	7 19	4 12	25 5	1 33	17 19	6 34	23 15	0 29	16 9	0 14	22 46	1 17	20 5	0 43	21 46	1 0	21 50	0 29	9 44	9 13	4 48		n.a.
F 7	19 30	11 19	4 49	25 3	1 39	17 27	6 26	23 22	0 30	16 10	0 14	22 45	1 17	20 4	0 43	21 47	1 0	21 51	0 30	9 44	9 14	4 46		n.a.
S 8	19 15	14 39	5 9	25 0	1 44	17 35	6 19	23 28	0 31	16 11	0 14	22 44	1 17	20 3	0 43	21 47	1 0	21 51	0 30	9 44	9 16	4 44		n.a.
S 9	19 0	17 9	5 13	24 55	1 48	17 42	6 11	23 35	0 32	16 13	0 13	22 42	1 17	20 2	0 43	21 47	1 0	21 51	0 30	9 45	9 17	4 42		n.a.
M10	18 45	18 42	4 59	24 49	1 52	17 50	6 3	23 40	0 33	16 14	0 13	22 41	1 17	20 1	0 43	21 48	1 0	21 52	0 30	9 47	9 18	4 40		n.a.
T 11	18 29	19 16	4 31	24 41	1 56	17 58	5 54	23 46	0 34	16 15	0 13	22 40	1 17	20 0	0 43	21 48	1 0	21 52	0 30	9 48	9 19	4 39		n.a.
W12	18 13	18 51	3 50	24 31	1 59	18 6	5 46	23 52	0 35	16 16	0 13	22 38	1 17	20 0	0 43	21 48	1 0	21 52	0 30	9 50	9 20	4 37		n.a.
T 13	17 57	17 31	2 58	24 20	2 2	18 14	5 38	23 57	0 36	16 18	0 13	22 37	1 17	19 59	0 43	21 49	1 0	21 53	0 30	9 51	9 21	4 35		n.a.
F 14	17 41	15 23	1 59	24 7	2 5	18 22	5 29	24 2	0 37	16 19	0 13	22 36	1 18	19 58	0 43	21 49	1 0	21 53	0 30	9 52	9 23	4 33		n.a.
S 15	17 24	12 36	0 55	23 52	2 7	18 29	5 21	24 6	0 38	16 20	0 12	22 34	1 18	19 57	0 43	21 49	1 0	21 53	0 30	9 53	9 24	4 31		n.a.
S 16	17 7	9 19	0s11	23 35	2 8	18 37	5 12	24 11	0 39	16 22	0 12	22 33	1 18	19 56	0 43	21 50	1 0	21 53	0 31	9 53	9 25	4 29		n.a.
M17	16 50	5 42	1 15	23 17	2 9	18 45	5 4	24 15	0 39	16 24	0 12	22 32	1 18	19 55	0 43	21 50	1 0	21 54	0 31	9 53	9 26	4 27		n.a.
T 18	16 32	1 53	2 17	22 56	2 10	18 52	4 55	24 19	0 40	16 25	0 12	22 30	1 18	19 55	0 43	21 50	1 0	21 54	0 31	9 52	9 27	4 25		n.a.
W19	16 14	2n 0	3 12	22 34	2 10	18 59	4 47	24 23	0 41	16 27	0 12	22 29	1 18	19 54	0 43	21 51	1 0	21 54	0 31	9 52	9 29	4 23		n.a.
T 20	15 56	5 50	4 0	22 9	2 10	19 6	4 38	24 26	0 42	16 28	0 12	22 28	1 18	19 53	0 43	21 51	1 0	21 55	0 31	9 51	9 30	4 22		n.a.
F 21	15 38	9 28	4 38	21 43	2 9	19 13	4 30	24 29	0 43	16 30	0 11	22 26	1 18	19 52	0 43	21 51	1 0	21 55	0 31	9 51	9 31	4 20		n.a.
S 22	15 19	12 46	5 4	21 15	2 7	19 19	4 22	24 32	0 44	16 32	0 11	22 25	1 18	19 51	0 43	21 52	1 0	21 55	0 31	9 51	9 32	4 18		n.a.
S 23	15 0	15 35	5 16	20 45	2 5	19 26	4 13	24 35	0 45	16 34	0 11	22 24	1 19	19 50	0 43	21 52	1 0	21 55	0 31	9 51	9 33	4 16		n.a.
M24	14 41	17 43	5 13	20 13	2 3	19 32	4 5	24 37	0 46	16 36	0 11	22 22	1 19	19 50	0 43	21 52	1 0	21 56	0 31	9 51	9 35	4 14		n.a.
T 25	14 22	18 58	4 54	19 38	2 0	19 37	3 56	24 39	0 47	16 37	0 11	22 21	1 19	19 49	0 43	21 53	1 0	21 56	0 32	9 52	9 36	4 12		n.a.
W26	14 2	19 10	4 17	19 2	1 56	19 42	3 48	24 41	0 48	16 39	0 11	22 20	1 19	19 48	0 43	21 53	1 0	21 56	0 32	9 52	9 37	4 10		n.a.
T 27	13 43	18 10	3 23	18 24	1 52	19 47	3 40	24 42	0 49	16 41	0 10	22 19	1 19	19 47	0 43	21 53	1 0	21 56	0 32	9 53	9 38	4 8		n.a.
F 28	13s23	15n57	2s15	17s44	1s48	19s52	3n32	24s44	0s50	16n43	0s10	22s17	1s19	19s46	0s43	21n54	1n 0	21s56	0s32	9n53	9n39	4s 6		n.a.

Julian Day Number = 1104912.5, Delta T = 10h58m44s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'23, Lahiri = -27°14'22 Julian Calendar 1 Feb. 1688 BCE == Greg. Calendar 18 Jan. 1688 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

MARCH 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 36 33	26♒ 7'58	24♌45	19♒ 1	12♉15	0♉19	15♉56	27♉54	6♒14	28°R10	4♐25	4°R54	5♍29	23♓33	n.a.	S 1
S 2	9 40 30	27° 6'30	9♍48	21° 0	13° 1	1° 5	16° 3	28° 1	6°17	28♋ 8	4°25	4°D54	5°26	23°39	n.a.	S 2
M 3	9 44 26	28° 5'01	24°52	23° 2	13°47	1°50	16°10	28° 8	6°20	28° 7	4°26	4♍55	5°22	23°46	n.a.	M 3
T 4	9 48 23	29° 3'29	9♎48	25° 4	14°34	2°35	16°17	28°15	6°24	28° 5	4°26	4°55	5°19	23°53	n.a.	T 4
W 5	9 52 19	0♓ 1'55	24°29	27° 7	15°21	3°21	16°24	28°21	6°27	28° 4	4°27	4°55	5°16	23°59	n.a.	W 5
T 6	9 56 16	1° 0'20	8♏50	29°12	16°10	4° 6	16°31	28°28	6°30	28° 3	4°27	4°56	5°13	24° 6	n.a.	T 6
F 7	10 0 12	1°58'43	22°49	1♓18	16°59	4°51	16°38	28°35	6°33	28° 1	4°27	4°56	5°10	24°13	n.a.	F 7
S 8	10 4 9	2°57'05	6♐25	3°24	17°49	5°36	16°46	28°42	6°36	28° 0	4°28	4°R56	5° 6	24°19	n.a.	S 8
S 9	10 8 6	3°55'24	19°39	5°31	18°39	6°22	16°53	28°48	6°39	27°59	4°28	4°56	5° 3	24°26	n.a.	S 9
M10	10 12 2	4°53'42	2♉33	7°39	19°31	7° 7	17° 1	28°55	6°43	27°58	4°29	4°D56	5° 0	24°33	n.a.	M10
T 11	10 15 59	5°51'59	15°11	9°47	20°23	7°52	17° 9	29° 1	6°46	27°56	4°29	4°56	4°57	24°39	n.a.	T 11
W12	10 19 55	6°50'13	27°33	11°54	21°15	8°38	17°17	29° 8	6°49	27°55	4°29	4°56	4°54	24°46	n.a.	W12
T 13	10 23 52	7°48'26	9♒44	14° 2	22° 8	9°23	17°25	29°14	6°52	27°54	4°29	4°56	4°51	24°53	n.a.	T 13
F 14	10 27 48	8°46'37	21°46	16° 9	23° 2	10° 8	17°33	29°21	6°55	27°53	4°30	4°57	4°47	24°59	n.a.	F 14
S 15	10 31 45	9°44'46	3♓41	18°15	23°56	10°53	17°42	29°27	6°58	27°52	4°30	4°R57	4°44	25° 6	n.a.	S 15
S 16	10 35 41	10°42'53	15°31	20°19	24°51	11°38	17°50	29°34	7° 1	27°50	4°30	4°57	4°41	25°13	n.a.	S 16
M17	10 39 38	11°40'59	27°19	22°22	25°46	12°23	17°59	29°40	7° 4	27°49	4°30	4°56	4°38	25°19	n.a.	M17
T 18	10 43 34	12°39'02	9♈ 7	24°24	26°42	13° 8	18° 7	29°46	7° 7	27°48	4°30	4°56	4°35	25°26	n.a.	T 18
W19	10 47 31	13°37'04	20°58	26°23	27°38	13°54	18°16	29°52	7°10	27°47	4°30	4°54	4°32	25°33	n.a.	W19
T 20	10 51 28	14°35'03	2♉53	28°20	28°34	14°39	18°25	29°58	7°12	27°46	4°30	4°53	4°28	25°39	n.a.	T 20
F 21	10 55 24	15°33'01	14°57	0♈14	29°31	15°24	18°34	0♒ 4	7°15	27°45	4°R30	4°52	4°25	25°46	n.a.	F 21
S 22	10 59 21	16°30'57	27°13	2° 5	0♒29	16° 9	18°44	0°10	7°18	27°44	4°30	4°51	4°22	25°53	n.a.	S 22
S 23	11 3 17	17°28'51	9♊44	3°53	1°27	16°54	18°53	0°16	7°21	27°43	4°30	4°50	4°19	25°59	n.a.	S 23
M24	11 7 14	18°26'43	22°35	5°38	2°25	17°39	19° 2	0°22	7°24	27°42	4°30	4°D50	4°16	26° 6	n.a.	M24
T 25	11 11 10	19°24'33	5♋48	7°20	3°24	18°23	19°12	0°28	7°26	27°41	4°30	4°50	4°12	26°13	n.a.	T 25
W26	11 15 7	20°22'21	19°27	8°58	4°23	19° 8	19°21	0°34	7°29	27°41	4°30	4°51	4° 9	26°19	n.a.	W26
T 27	11 19 3	21°20'07	3♌33	10°33	5°22	19°53	19°31	0°40	7°32	27°40	4°30	4°53	4° 6	26°26	n.a.	T 27
F 28	11 23 0	22°17'51	18° 4	12° 4	6°22	20°38	19°41	0°45	7°34	27°39	4°30	4°54	4° 3	26°32	n.a.	F 28
S 29	11 26 57	23°15'33	2♍56	13°31	7°22	21°23	19°51	0°51	7°37	27°38	4°29	4°R54	4° 0	26°39	n.a.	S 29
S 30	11 30 53	24°13'14	18° 3	14°54	8°22	22° 7	20° 1	0°56	7°40	27°37	4°29	4°54	3°57	26°46	n.a.	S 30
M31	11 34 50	25♓10'53	3♎17	16♈14	9♒23	22♉52	20♉11	1♒ 2	7♒42	27♋37	4♐29	4♍52	3♍53	26♓52	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s 3	12n38	0s56	17s 1	1s42	19s56	3n23	24s45	0s51	16n45	0s10	22s16	1s19	19s45	0s43	21n54	1n 0	21s57	0s32	9n53	9n41	4s 4		n.a.
S 2	12 42	8 27	0n27	16 17	1 37	20 0	3 15	24 45	0 52	16 48	0 10	22 15	1 19	19 45	0 43	21 54	1 0	21 57	0 32	9 53	9 42	4 2		n.a.
M 3	12 22	3 44	1 49	15 31	1 30	20 3	3 7	24 46	0 53	16 50	0 10	22 13	1 20	19 44	0 43	21 54	1 0	21 57	0 32	9 53	9 43	4 1		n.a.
T 4	12 1	1s10	3 2	14 43	1 23	20 6	2 59	24 46	0 54	16 52	0 10	22 12	1 20	19 43	0 43	21 55	1 0	21 57	0 32	9 53	9 44	3 59		n.a.
W 5	11 40	5 55	4 2	13 53	1 16	20 9	2 52	24 46	0 55	16 54	0 9	22 11	1 20	19 42	0 43	21 55	1 0	21 58	0 32	9 53	9 45	3 57		n.a.
T 6	11 19	10 12	4 46	13 2	1 8	20 11	2 44	24 46	0 56	16 56	0 9	22 9	1 20	19 41	0 43	21 55	1 0	21 58	0 32	9 53	9 46	3 55		n.a.
F 7	10 58	13 49	5 11	12 8	1 0	20 12	2 36	24 45	0 57	16 59	0 9	22 8	1 20	19 41	0 43	21 56	1 0	21 58	0 33	9 53	9 48	3 53		n.a.
S 8	10 37	16 34	5 18	11 14	0 51	20 13	2 29	24 44	0 58	17 1	0 9	22 7	1 20	19 40	0 43	21 56	1 0	21 58	0 33	9 53	9 49	3 51		n.a.
S 9	10 15	18 22	5 8	10 18	0 41	20 14	2 21	24 43	0 59	17 3	0 9	22 6	1 20	19 39	0 43	21 56	1 0	21 58	0 33	9 53	9 50	3 49		n.a.
M10	9 54	19 10	4 42	9 21	0 32	20 14	2 14	24 42	1 0	17 6	0 9	22 4	1 21	19 38	0 43	21 56	1 0	21 58	0 33	9 53	9 51	3 47		n.a.
T 11	9 32	18 59	4 3	8 23	0 21	20 14	2 6	24 40	1 1	17 8	0 9	22 3	1 21	19 38	0 43	21 57	1 0	21 59	0 33	9 53	9 52	3 45		n.a.
W12	9 10	17 53	3 13	7 24	0 11	20 13	1 59	24 38	1 2	17 10	0 8	22 2	1 21	19 37	0 43	21 57	1 0	21 59	0 33	9 53	9 54	3 43		n.a.
T 13	8 48	15 58	2 16	6 24	0 0	20 12	1 52	24 36	1 3	17 13	0 8	22 1	1 21	19 36	0 43	21 57	1 0	21 59	0 33	9 53	9 55	3 41		n.a.
F 14	8 26	13 22	1 13	5 24	0n11	20 10	1 45	24 33	1 4	17 15	0 8	21 59	1 21	19 35	0 43	21 57	1 0	21 59	0 33	9 52	9 56	3 39		n.a.
S 15	8 4	10 14	0 7	4 24	0 22	20 7	1 38	24 31	1 5	17 18	0 8	21 58	1 21	19 34	0 43	21 57	1 0	21 59	0 33	9 52	9 57	3 37		n.a.
S 16	7 41	6 42	0s58	3 24	0 33	20 4	1 31	24 28	1 6	17 21	0 8	21 57	1 21	19 34	0 43	21 58	1 0	21 59	0 34	9 52	9 58	3 36		n.a.
M17	7 19	2 56	2 1	2 25	0 44	20 1	1 24	24 25	1 7	17 23	0 8	21 56	1 22	19 33	0 43	21 58	1 0	21 59	0 34	9 53	9 59	3 34		n.a.
T 18	6 56	0n57	2 59	1 26	0 55	19 57	1 17	24 21	1 8	17 26	0 8	21 55	1 22	19 32	0 43	21 58	1 0	22 0	0 34	9 53	10 1	3 32		n.a.
W19	6 34	4 48	3 49	0 28	1 6	19 52	1 11	24 18	1 9	17 28	0 7	21 53	1 22	19 32	0 43	21 58	1 0	22 0	0 34	9 53	10 2	3 30		n.a.
T 20	6 11	8 30	4 29	0n29	1 16	19 47	1 4	24 14	1 10	17 31	0 7	21 52	1 22	19 31	0 43	21 59	1 0	22 0	0 34	9 54	10 3	3 28		n.a.
F 21	5 48	11 53	4 58	1 24	1 26	19 42	0 58	24 9	1 11	17 34	0 7	21 51	1 22	19 30	0 43	21 59	1 0	22 0	0 34	9 54	10 4	3 26		n.a.
S 22	5 25	14 48	5 14	2 18	1 36	19 35	0 51	24 5	1 12	17 36	0 7	21 50	1 22	19 29	0 43	21 59	1 0	22 0	0 34	9 55	10 5	3 24		n.a.
S 23	5 2	17 7	5 16	3 11	1 45	19 29	0 45	24 0	1 13	17 39	0 7	21 49	1 23	19 29	0 43	21 59	1 0	22 0	0 34	9 55	10 7	3 22		n.a.
M24	4 39	18 39	5 2	4 1	1 54	19 21	0 39	23 55	1 14	17 42	0 7	21 48	1 23	19 28	0 43	21 59	1 0	22 0	0 34	9 55	10 8	3 20		n.a.
T 25	4 16	19 14	4 32	4 50	2 2	19 13	0 33	23 50	1 15	17 45	0 7	21 47	1 23	19 27	0 43	21 59	1 0	22 0	0 35	9 55	10 9	3 18		n.a.
W26	3 53	18 43	3 46	5 36	2 10	19 5	0 27	23 45	1 16	17 48	0 6	21 46	1 23	19 27	0 43	22 0	1 0	22 0	0 35	9 54	10 10	3 16		n.a.
T 27	3 30	17 3	2 45	6 21	2 17	18 56	0 22	23 39	1 17	17 50	0 6	21 44	1 23	19 26	0 43	22 0	1 0	22 0	0 35	9 54	10 11	3 14		n.a.
F 28	3 7	14 15	1 32	7 3	2 23	18 47	0 16	23 33	1 18	17 53	0 6	21 43	1 23	19 25	0 43	22 0	1 0	22 1	0 35	9 54	10 12	3 12		n.a.
S 29	2 43	10 27	0 11	7 42	2 29	18 37	0 10	23 27	1 19	17 56	0 6	21 42	1 24	19 25	0 44	22 0	1 0	22 1	0 35	9 53	10 14	3 10		n.a.
S 30	2 20	5 55	1n12	8 20	2 33	18 26	0 5	23 21	1 20	17 59	0 6	21 41	1 24	19 24	0 44	22 0	1 0	22 1	0 35	9 54	10 15	3 8		n.a.
M31	1s57	0n58	2n31	8n55	2n37	18s15	0s 0	23s14	1s21	18n 2	0s 6	21s40	1s24	19s23	0s44	22n 0	1n 0	22s 1	0s35	9n54	10n16	3s 6		n.a.

Julian Day Number = 1104940.5, Delta T = 10h58m43s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'19, Lahiri = -27°14'18 Julian Calendar 1 March 1688 BCE == Greg. Calendar 15 Feb. 1688 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

APRIL 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 38 46	26♓ 8'31	18♎27	17♈29	10♒24	23♑37	20♉21	1♒ 7	7♒45	27°R36	4°R28	4°R50	3♍50	26♓59	n.a.	T 1
W 2	11 42 43	27° 6'07	3♏25	18°41	11°25	24°21	20°31	1°13	7°47	27♋35	4♐28	4♍47	3°47	27° 6	n.a.	W 2
T 3	11 46 39	28° 3'43	18° 2	19°48	12°26	25° 6	20°42	1°18	7°50	27°35	4°28	4°44	3°44	27°12	n.a.	T 3
F 4	11 50 36	29° 1'17	2♐13	20°52	13°28	25°51	20°52	1°23	7°52	27°34	4°27	4°42	3°41	27°19	n.a.	F 4
S 5	11 54 32	29°58'50	15°56	21°51	14°30	26°35	21° 3	1°28	7°55	27°33	4°27	4°40	3°38	27°26	n.a.	S 5
S 6	11 58 29	0♈56'21	29°13	22°46	15°33	27°20	21°13	1°33	7°57	27°33	4°27	4°D39	3°34	27°32	n.a.	S 6
M 7	12 2 25	1°53'52	12♑ 5	23°36	16°35	28° 4	21°24	1°38	7°59	27°32	4°26	4°40	3°31	27°39	n.a.	M 7
T 8	12 6 22	2°51'22	24°36	24°23	17°38	28°48	21°35	1°43	8° 2	27°32	4°26	4°41	3°28	27°46	n.a.	T 8
W 9	12 10 19	3°48'51	6♒50	25° 4	18°41	29°33	21°46	1°48	8° 4	27°31	4°25	4°43	3°25	27°52	n.a.	W 9
T 10	12 14 15	4°46'19	18°52	25°42	19°45	0♒17	21°57	1°53	8° 6	27°31	4°25	4°44	3°22	27°59	n.a.	T 10
F 11	12 18 12	5°43'45	0♓46	26°14	20°48	1° 1	22° 8	1°57	8° 8	27°31	4°24	4°R45	3°18	28° 6	n.a.	F 11
S 12	12 22 8	6°41'11	12°35	26°43	21°52	1°46	22°19	2° 2	8°10	27°30	4°23	4°45	3°15	28°12	n.a.	S 12
S 13	12 26 5	7°38'35	24°22	27° 6	22°56	2°30	22°30	2° 6	8°12	27°30	4°23	4°43	3°12	28°19	n.a.	S 13
M14	12 30 1	8°35'59	6♈10	27°25	24° 0	3°14	22°41	2°11	8°15	27°30	4°22	4°40	3° 9	28°26	n.a.	M14
T 15	12 33 58	9°33'21	18° 1	27°39	25° 4	3°58	22°53	2°15	8°17	27°29	4°21	4°35	3° 6	28°32	n.a.	T 15
W16	12 37 54	10°30'42	29°57	27°48	26° 9	4°42	23° 4	2°20	8°19	27°29	4°21	4°29	3° 3	28°39	n.a.	W16
T 17	12 41 51	11°28'02	12♉ 0	27°53	27°14	5°26	23°16	2°24	8°20	27°29	4°20	4°22	2°59	28°46	n.a.	T 17
F 18	12 45 48	12°25'21	24°11	27°R53	28°19	6°10	23°27	2°28	8°22	27°29	4°19	4°16	2°56	28°52	n.a.	F 18
S 19	12 49 44	13°22'39	6♊34	27°49	29°24	6°53	23°39	2°32	8°24	27°28	4°18	4°10	2°53	28°59	n.a.	S 19
S 20	12 53 41	14°19'56	19° 9	27°40	0♓29	7°37	23°50	2°36	8°26	27°28	4°18	4° 6	2°50	29° 6	n.a.	S 20
M21	12 57 37	15°17'12	2♋ 0	27°27	1°34	8°21	24° 2	2°40	8°28	27°28	4°17	4° 3	2°47	29°12	n.a.	M21
T 22	13 1 34	16°14'26	15°10	27°10	2°40	9° 4	24°14	2°44	8°30	27°28	4°16	4°D 3	2°43	29°19	n.a.	T 22
W23	13 5 30	17°11'40	28°41	26°49	3°46	9°48	24°26	2°47	8°31	27°D28	4°15	4° 3	2°40	29°26	n.a.	W23
T 24	13 9 27	18° 8'52	12♌36	26°26	4°51	10°31	24°38	2°51	8°33	27°28	4°14	4° 4	2°37	29°32	n.a.	T 24
F 25	13 13 23	19° 6'03	26°53	25°59	5°57	11°15	24°50	2°55	8°35	27°28	4°13	4°R 5	2°34	29°39	n.a.	F 25
S 26	13 17 20	20° 3'13	11♍33	25°30	7° 4	11°58	25° 2	2°58	8°36	27°28	4°12	4° 5	2°31	29°46	n.a.	S 26
S 27	13 21 17	21° 0'22	26°30	24°58	8°10	12°42	25°14	3° 1	8°38	27°28	4°12	4° 3	2°28	29°52	n.a.	S 27
M28	13 25 13	21°57'30	11♎38	24°26	9°16	13°25	25°26	3° 5	8°39	27°29	4°11	4° 0	2°24	29°59	n.a.	M28
T 29	13 29 10	22°54'38	26°47	23°52	10°23	14° 8	25°38	3° 8	8°41	27°29	4°10	3°54	2°21	0♈ 6	n.a.	T 29
W30	13 33 6	23♈51'45	11♏48	23♈19	11♓30	14♒51	25♉51	3♒11	8♒42	27♋29	4♐ 9	3♍47	2♍18	0♈12	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s34	4s 1	3n38	9n27	2n41	18s 3	0s 6	23s 7	1s22	18n 5	0s 6	21s39	1s24	19s23	0s44	22n 0	1n 0	22s 1	0s35	9n55	10n17	3s 4		n.a.
W 2	1 10	8 40	4 29	9 57	2 43	17 51	0 11	23 0	1 23	18 8	0 6	21 38	1 24	19 22	0 44	22 1	1 0	22 1	0 35	9 56	10 18	3 3		n.a.
T 3	0 47	12 42	5 2	10 25	2 44	17 38	0 16	22 53	1 24	18 11	0 5	21 37	1 25	19 21	0 44	22 1	1 0	22 1	0 36	9 57	10 20	3 1		n.a.
F 4	0 24	15 51	5 15	10 50	2 45	17 25	0 21	22 45	1 24	18 13	0 5	21 36	1 25	19 21	0 44	22 1	1 0	22 1	0 36	9 58	10 21	2 59		n.a.
S 5	0 0	18 1	5 9	11 12	2 45	17 11	0 25	22 38	1 25	18 16	0 5	21 35	1 25	19 20	0 44	22 1	1 0	22 1	0 36	9 59	10 22	2 57		n.a.
S 6	0n23	19 6	4 47	11 32	2 43	16 57	0 30	22 30	1 26	18 19	0 5	21 34	1 25	19 20	0 44	22 1	1 0	22 1	0 36	9 59	10 23	2 55		n.a.
M 7	0 46	19 10	4 10	11 49	2 41	16 42	0 35	22 22	1 27	18 22	0 5	21 33	1 25	19 19	0 44	22 1	1 0	22 1	0 36	9 59	10 24	2 53		n.a.
T 8	1 9	18 16	3 23	12 4	2 38	16 27	0 39	22 13	1 28	18 25	0 5	21 32	1 25	19 18	0 44	22 1	1 0	22 1	0 36	9 58	10 25	2 51		n.a.
W 9	1 33	16 32	2 27	12 16	2 34	16 11	0 43	22 5	1 29	18 28	0 5	21 31	1 26	19 18	0 44	22 1	1 0	22 1	0 36	9 58	10 27	2 49		n.a.
T 10	1 56	14 5	1 26	12 25	2 29	15 55	0 48	21 56	1 30	18 31	0 5	21 30	1 26	19 17	0 44	22 1	1 0	22 1	0 36	9 57	10 28	2 47		n.a.
F 11	2 19	11 4	0 22	12 31	2 23	15 39	0 52	21 47	1 31	18 34	0 4	21 30	1 26	19 17	0 44	22 1	1 0	22 1	0 36	9 57	10 29	2 45		n.a.
S 12	2 42	7 37	0s43	12 35	2 16	15 21	0 56	21 38	1 32	18 37	0 4	21 29	1 26	19 16	0 44	22 1	1 0	22 1	0 37	9 57	10 30	2 43		n.a.
S 13	3 5	3 53	1 45	12 36	2 8	15 4	0 59	21 29	1 33	18 40	0 4	21 28	1 26	19 16	0 44	22 1	1 0	22 1	0 37	9 58	10 31	2 41		n.a.
M14	3 28	0n 0	2 43	12 35	1 58	14 46	1 3	21 19	1 34	18 43	0 4	21 27	1 27	19 15	0 44	22 1	0 59	22 1	0 37	9 59	10 32	2 39		n.a.
T 15	3 51	3 54	3 34	12 31	1 48	14 27	1 7	21 9	1 35	18 47	0 4	21 26	1 27	19 15	0 44	22 2	0 59	22 1	0 37	10 1	10 34	2 37		n.a.
W16	4 14	7 40	4 16	12 24	1 37	14 8	1 10	21 0	1 36	18 50	0 4	21 25	1 27	19 14	0 44	22 2	0 59	22 1	0 37	10 3	10 35	2 35		n.a.
T 17	4 37	11 10	4 47	12 14	1 25	13 49	1 14	20 50	1 37	18 53	0 4	21 25	1 27	19 14	0 44	22 2	0 59	22 1	0 37	10 5	10 36	2 33		n.a.
F 18	5 0	14 14	5 6	12 3	1 13	13 29	1 17	20 39	1 37	18 56	0 4	21 24	1 28	19 13	0 44	22 2	0 59	22 1	0 37	10 8	10 37	2 31		n.a.
S 19	5 23	16 43	5 10	11 48	0 59	13 9	1 20	20 29	1 38	18 59	0 3	21 23	1 28	19 13	0 44	22 2	0 59	22 1	0 37	10 10	10 38	2 29		n.a.
S 20	5 45	18 27	5 0	11 32	0 44	12 48	1 23	20 18	1 39	19 2	0 3	21 22	1 28	19 12	0 44	22 2	0 59	22 1	0 37	10 11	10 39	2 27		n.a.
M21	6 8	19 18	4 35	11 13	0 29	12 27	1 26	20 8	1 40	19 5	0 3	21 22	1 28	19 12	0 44	22 2	0 59	22 1	0 38	10 12	10 41	2 25		n.a.
T 22	6 30	19 8	3 54	10 52	0 14	12 6	1 29	19 57	1 41	19 8	0 3	21 21	1 28	19 11	0 44	22 2	0 59	22 1	0 38	10 13	10 42	2 23		n.a.
W23	6 53	17 52	3 0	10 29	0s 3	11 44	1 32	19 46	1 42	19 11	0 3	21 20	1 29	19 11	0 44	22 2	0 59	22 1	0 38	10 12	10 43	2 21		n.a.
T 24	7 15	15 32	1 54	10 5	0 19	11 22	1 35	19 34	1 43	19 14	0 3	21 20	1 29	19 11	0 44	22 2	0 59	22 1	0 38	10 12	10 44	2 19		n.a.
F 25	7 37	12 10	0 39	9 40	0 36	11 0	1 37	19 23	1 44	19 17	0 3	21 19	1 29	19 10	0 44	22 2	0 59	22 1	0 38	10 12	10 45	2 17		n.a.
S 26	7 59	7 59	0n40	9 13	0 53	10 37	1 40	19 11	1 44	19 20	0 3	21 18	1 29	19 10	0 44	22 1	0 59	22 0	0 38	10 12	10 46	2 15		n.a.
S 27	8 21	3 13	1 58	8 46	1 10	10 14	1 42	19 0	1 45	19 23	0 2	21 18	1 29	19 9	0 44	22 1	0 59	22 0	0 38	10 12	10 48	2 13		n.a.
M28	8 43	1s48	3 9	8 18	1 26	9 50	1 44	18 48	1 46	19 27	0 2	21 17	1 30	19 9	0 45	22 1	0 59	22 0	0 38	10 14	10 49	2 11		n.a.
T 29	9 4	6 42	4 6	7 51	1 43	9 27	1 46	18 36	1 47	19 30	0 2	21 17	1 30	19 9	0 45	22 1	0 59	22 0	0 38	10 16	10 50	2 9		n.a.
W30	9n26	11s 9	4n45	7n23	1s59	9s 3	1s48	18s24	1s48	19n33	0s 2	21s16	1s30	19s 8	0s45	22n 1	0n59	22s 0	0s38	10n18	10n51	2s 7		n.a.

Julian Day Number = 1104971.5, Delta T = 10h58m41s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'15, Lahiri = -27°14'14 Julian Calendar 1 Apr. 1688 BCE == Greg. Calendar 18 March 1688 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

MAY 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 37 3	24♈48'51	26♏32	22°R45	12♓37	15♒34	26♉ 3	3♒14	8♒43	27♋29	4°R 8	3°R39	2♍15	0♈19	n.a.	T 1
F 2	13 40 59	25°45'58	10♐51	22♈12	13°44	16°17	26°15	3°17	8°45	27°29	4♐ 6	3♍32	2°12	0°26	n.a.	F 2
S 3	13 44 56	26°43'04	24°42	21°41	14°51	17° 0	26°28	3°20	8°46	27°30	4° 5	3°26	2° 9	0°32	n.a.	S 3
S 4	13 48 52	27°40'09	8♑ 3	21°12	15°58	17°42	26°40	3°22	8°47	27°30	4° 4	3°23	2° 5	0°39	n.a.	S 4
M 5	13 52 49	28°37'15	20°58	20°45	17° 6	18°25	26°53	3°25	8°48	27°30	4° 3	3°21	2° 2	0°46	n.a.	M 5
T 6	13 56 46	29°34'20	3♒29	20°21	18°13	19° 8	27° 5	3°28	8°50	27°31	4° 2	3°D20	1°59	0°52	n.a.	T 6
W 7	14 0 42	0♉31'26	15°42	20° 0	19°21	19°50	27°18	3°30	8°51	27°31	4° 1	3°21	1°56	0°59	n.a.	W 7
T 8	14 4 39	1°28'31	27°41	19°43	20°29	20°33	27°30	3°32	8°52	27°32	4° 0	3°R22	1°53	1° 6	n.a.	T 8
F 9	14 8 35	2°25'36	9♓32	19°30	21°36	21°15	27°43	3°35	8°53	27°32	3°59	3°22	1°49	1°12	n.a.	F 9
S 10	14 12 32	3°22'41	21°19	19°21	22°44	21°57	27°56	3°37	8°54	27°33	3°57	3°20	1°46	1°19	n.a.	S 10
S 11	14 16 28	4°19'45	3♈ 7	19°D17	23°53	22°40	28° 8	3°39	8°55	27°33	3°56	3°16	1°43	1°26	n.a.	S 11
M12	14 20 25	5°16'50	14°58	19°17	25° 1	23°22	28°21	3°41	8°55	27°34	3°55	3°10	1°40	1°32	n.a.	M12
T 13	14 24 22	6°13'55	26°55	19°22	26° 9	24° 4	28°34	3°43	8°56	27°34	3°54	3° 1	1°37	1°39	n.a.	T 13
W14	14 28 18	7°10'59	9♉ 0	19°31	27°17	24°46	28°47	3°45	8°57	27°35	3°52	2°50	1°34	1°46	n.a.	W14
T 15	14 32 15	8° 8'04	21°14	19°45	28°26	25°27	29° 0	3°46	8°58	27°36	3°51	2°38	1°30	1°52	n.a.	T 15
F 16	14 36 11	9° 5'08	3♊39	20° 4	29°35	26° 9	29°13	3°48	8°58	27°37	3°50	2°27	1°27	1°59	n.a.	F 16
S 17	14 40 8	10° 2'13	16°14	20°28	0♈43	26°51	29°26	3°49	8°59	27°37	3°49	2°17	1°24	2° 6	n.a.	S 17
S 18	14 44 4	10°59'17	29° 1	20°57	1°52	27°32	29°39	3°51	9° 0	27°38	3°47	2° 8	1°21	2°12	n.a.	S 18
M19	14 48 1	11°56'21	12♋ 1	21°30	3° 1	28°13	29°52	3°52	9° 0	27°39	3°46	2° 2	1°18	2°19	n.a.	M19
T 20	14 51 57	12°53'25	25°15	22° 8	4°10	28°55	0♊ 5	3°53	9° 1	27°40	3°45	1°59	1°14	2°26	n.a.	T 20
W21	14 55 54	13°50'28	8♌45	22°51	5°19	29°36	0°18	3°54	9° 1	27°41	3°43	1°D58	1°11	2°32	n.a.	W21
T 22	14 59 51	14°47'32	22°32	23°38	6°28	0♓17	0°31	3°55	9° 1	27°41	3°42	1°58	1° 8	2°39	n.a.	T 22
F 23	15 3 47	15°44'35	6♍38	24°30	7°37	0°58	0°44	3°56	9° 2	27°42	3°41	1°R58	1° 5	2°46	n.a.	F 23
S 24	15 7 44	16°41'38	21° 1	25°26	8°47	1°39	0°57	3°57	9° 2	27°43	3°39	1°57	1° 2	2°52	n.a.	S 24
S 25	15 11 40	17°38'41	5♎40	26°26	9°56	2°19	1°10	3°57	9° 2	27°44	3°38	1°54	0°59	2°59	n.a.	S 25
M26	15 15 37	18°35'44	20°30	27°31	11° 5	3° 0	1°23	3°58	9° 2	27°45	3°37	1°48	0°55	3° 6	n.a.	M26
T 27	15 19 33	19°32'48	5♏24	28°40	12°15	3°40	1°37	3°58	9° 2	27°46	3°35	1°40	0°52	3°12	n.a.	T 27
W28	15 23 30	20°29'51	20°13	29°54	13°25	4°21	1°50	3°59	9° 3	27°47	3°34	1°29	0°49	3°19	n.a.	W28
T 29	15 27 27	21°26'55	4♐50	1♉12	14°34	5° 1	2° 3	3°59	9°R 3	27°49	3°32	1°18	0°46	3°26	n.a.	T 29
F 30	15 31 23	22°24'00	19° 5	2°33	15°44	5°41	2°16	3°59	9° 3	27°50	3°31	1° 8	0°43	3°32	n.a.	F 30
S 31	15 35 20	23♉21'05	2♑56	3♉59	16♈54	6♓21	2♊30	3°R59	9♒ 3	27♋51	3♐29	0♍59	0♍40	3♈39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9n47	14s48	5n 5	6n57	2s14	8s38	1s50	18s12	1s49	19n36	0s 2	21s16	1s30	19s 8	0s45	22n 1	0n59	22s 0	0s39	10n21	10n52	2s 5			n.a.
F 2	10 8	17 28	5 5	6 31	2 28	8 14	1 52	17 59	1 49	19 39	0 2	21 15	1 31	19 8	0 45	22 1	0 59	22 0	0 39	10 24	10 53	2 3			n.a.
S 3	10 29	19 0	4 47	6 7	2 42	7 49	1 53	17 47	1 50	19 42	0 2	21 15	1 31	19 7	0 45	22 1	0 59	22 0	0 39	10 26	10 54	2 1			n.a.
S 4	10 50	19 26	4 13	5 44	2 54	7 24	1 55	17 34	1 51	19 45	0 2	21 14	1 31	19 7	0 45	22 1	0 59	22 0	0 39	10 27	10 56	1 59			n.a.
M 5	11 11	18 48	3 28	5 23	3 6	6 58	1 56	17 22	1 52	19 48	0 2	21 14	1 31	19 7	0 45	22 1	0 59	22 0	0 39	10 28	10 57	1 57			n.a.
T 6	11 32	17 15	2 34	5 5	3 16	6 33	1 58	17 9	1 53	19 51	0 1	21 14	1 32	19 7	0 45	22 1	0 59	21 59	0 39	10 28	10 58	1 56			n.a.
W 7	11 52	14 57	1 34	4 49	3 25	6 7	1 59	16 56	1 54	19 54	0 1	21 13	1 32	19 6	0 45	22 1	0 59	21 59	0 39	10 28	10 59	1 54			n.a.
T 8	12 12	12 2	0 30	4 35	3 33	5 40	2 0	16 43	1 54	19 57	0 1	21 13	1 32	19 6	0 45	22 1	0 59	21 59	0 39	10 28	11 0	1 52			n.a.
F 9	12 32	8 39	0s33	4 24	3 39	5 14	2 1	16 30	1 55	20 0	0 1	21 13	1 32	19 6	0 45	22 0	0 59	21 59	0 39	10 28	11 1	1 50			n.a.
S 10	12 52	4 57	1 35	4 16	3 45	4 48	2 2	16 16	1 56	20 3	0 1	21 12	1 32	19 6	0 45	22 0	0 59	21 59	0 40	10 28	11 3	1 48			n.a.
S 11	13 12	1 4	2 32	4 10	3 49	4 21	2 3	16 3	1 57	20 6	0 1	21 12	1 33	19 5	0 45	22 0	0 59	21 59	0 40	10 30	11 4	1 46			n.a.
M12	13 32	2n53	3 23	4 8	3 51	3 54	2 3	15 50	1 57	20 9	0 1	21 12	1 33	19 5	0 45	22 0	0 59	21 59	0 40	10 32	11 5	1 44			n.a.
T 13	13 51	6 45	4 6	4 8	3 53	3 27	2 4	15 36	1 58	20 12	0 1	21 12	1 33	19 5	0 45	22 0	0 59	21 59	0 40	10 35	11 6	1 42			n.a.
W14	14 10	10 23	4 37	4 11	3 53	3 0	2 5	15 23	1 59	20 15	0 1	21 11	1 33	19 5	0 45	22 0	0 59	21 58	0 40	10 39	11 7	1 40			n.a.
T 15	14 29	13 38	4 57	4 17	3 53	2 32	2 5	15 9	2 0	20 18	0 0	21 11	1 34	19 5	0 45	22 0	0 59	21 58	0 40	10 44	11 8	1 38			n.a.
F 16	14 48	16 19	5 3	4 26	3 51	2 5	2 5	14 55	2 0	20 21	0 0	21 11	1 34	19 5	0 45	21 59	0 59	21 58	0 40	10 48	11 10	1 36			n.a.
S 17	15 6	18 17	4 54	4 38	3 48	1 37	2 6	14 41	2 1	20 24	0 0	21 11	1 34	19 4	0 45	21 59	0 59	21 58	0 40	10 52	11 11	1 34			n.a.
S 18	15 24	19 23	4 31	4 52	3 44	1 10	2 6	14 27	2 2	20 27	0 0	21 11	1 34	19 4	0 45	21 59	0 59	21 58	0 40	10 55	11 12	1 32			n.a.
M19	15 42	19 28	3 53	5 9	3 40	0 42	2 6	14 13	2 3	20 30	0 0	21 11	1 35	19 4	0 45	21 59	0 59	21 58	0 40	10 57	11 13	1 30			n.a.
T 20	16 0	18 30	3 2	5 29	3 34	0 14	2 6	13 59	2 3	20 33	0n 0	21 11	1 35	19 4	0 45	21 59	0 59	21 58	0 41	10 58	11 14	1 28			n.a.
W21	16 17	16 29	2 0	5 51	3 28	0n14	2 5	13 45	2 4	20 36	0 0	21 11	1 35	19 4	0 45	21 58	0 59	21 57	0 41	10 58	11 15	1 26			n.a.
T 22	16 35	13 28	0 50	6 15	3 20	0 42	2 5	13 31	2 5	20 39	0 0	21 11	1 35	19 4	0 45	21 58	0 59	21 57	0 41	10 58	11 16	1 24			n.a.
F 23	16 52	9 38	0n25	6 41	3 12	1 10	2 5	13 17	2 5	20 42	0 0	21 11	1 36	19 4	0 45	21 58	0 59	21 57	0 41	10 58	11 18	1 22			n.a.
S 24	17 8	5 8	1 39	7 10	3 4	1 38	2 4	13 3	2 6	20 45	0 1	21 11	1 36	19 4	0 46	21 58	0 59	21 57	0 41	10 59	11 19	1 20			n.a.
S 25	17 25	0 17	2 49	7 41	2 55	2 7	2 4	12 48	2 7	20 47	0 1	21 11	1 36	19 4	0 46	21 58	0 59	21 57	0 41	11 0	11 20	1 18			n.a.
M26	17 41	4s39	3 47	8 13	2 45	2 35	2 3	12 34	2 7	20 50	0 1	21 11	1 36	19 4	0 46	21 57	0 59	21 57	0 41	11 2	11 21	1 16			n.a.
T 27	17 57	9 19	4 31	8 48	2 35	3 3	2 3	12 20	2 8	20 53	0 1	21 11	1 37	19 4	0 46	21 57	0 59	21 56	0 41	11 5	11 22	1 14			n.a.
W28	18 12	13 23	4 56	9 24	2 24	3 31	2 2	12 5	2 9	20 56	0 1	21 11	1 37	19 4	0 46	21 57	0 59	21 56	0 41	11 9	11 23	1 12			n.a.
T 29	18 28	16 34	5 1	10 2	2 13	4 0	2 1	11 51	2 9	20 59	0 1	21 11	1 37	19 4	0 46	21 57	0 59	21 56	0 41	11 13	11 24	1 9			n.a.
F 30	18 43	18 40	4 47	10 41	2 1	4 28	2 0	11 36	2 10	21 1	0 1	21 12	1 37	19 4	0 46	21 56	0 59	21 56	0 42	11 17	11 26	1 7			n.a.
S 31	18n58	19s35	4n16	11n22	1s50	4n56	1s59	11s22	2s11	21n 4	0n 1	21s12	1s38	19s 4	0s46	21n56	0n59	21s56	0s42	11n20	11n27	1s 5			n.a.

Julian Day Number = 1105001.5, Delta T = 10h58m39s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'10, Lahiri = -27°14'10 Julian Calendar 1 May 1688 BCE == Greg. Calendar 17 Apr. 1688 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

JUNE 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 39 16	24♉18'11	16♋19	5♉29	18♈ 4	7♓ 1	2♊43	3°R59	9°R 2	27♋52	3°R28	0°R52	0♍36	3♈46	n.a.	S 1
M 2	15 43 13	25°15'17	29°16	7° 2	19°14	7°41	2°56	3♒59	9♒ 2	27°53	3♐27	0♍48	0°33	3°52	n.a.	M 2
T 3	15 47 9	26°12'25	11♒49	8°40	20°24	8°20	3° 9	3°59	9° 2	27°54	3°25	0°46	0°30	3°59	n.a.	T 3
W 4	15 51 6	27° 9'33	24° 3	10°21	21°34	9° 0	3°23	3°58	9° 2	27°56	3°24	0°46	0°27	4° 6	n.a.	W 4
T 5	15 55 2	28° 6'42	6♓ 3	12° 5	22°45	9°39	3°36	3°58	9° 2	27°57	3°22	0°46	0°24	4°12	n.a.	T 5
F 6	15 58 59	29° 3'52	17°55	13°53	23°55	10°18	3°49	3°57	9° 1	27°58	3°21	0°45	0°20	4°19	n.a.	F 6
S 7	16 2 56	0♊ 1'02	29°43	15°43	25° 6	10°57	4° 3	3°57	9° 1	28° 0	3°19	0°43	0°17	4°26	n.a.	S 7
S 8	16 6 52	0°58'14	11♈33	17°37	26°16	11°36	4°16	3°56	9° 0	28° 1	3°18	0°38	0°14	4°32	n.a.	S 8
M 9	16 10 49	1°55'27	23°28	19°33	27°27	12°15	4°29	3°55	9° 0	28° 2	3°16	0°31	0°11	4°39	n.a.	M 9
T 10	16 14 45	2°52'40	5♉32	21°32	28°37	12°53	4°43	3°54	8°59	28° 4	3°15	0°21	0° 8	4°46	n.a.	T 10
W11	16 18 42	3°49'55	17°48	23°33	29°48	13°32	4°56	3°53	8°59	28° 5	3°14	0° 9	0° 5	4°52	n.a.	W11
T 12	16 22 38	4°47'10	0♊17	25°35	0♉59	14°10	5° 9	3°52	8°58	28° 7	3°12	29♌56	0° 1	4°59	n.a.	T 12
F 13	16 26 35	5°44'27	12°58	27°39	2°10	14°48	5°23	3°50	8°57	28° 8	3°11	29°43	29♌58	5° 6	n.a.	F 13
S 14	16 30 32	6°41'44	25°52	29°44	3°21	15°26	5°36	3°49	8°57	28°10	3° 9	29°31	29°55	5°12	n.a.	S 14
S 15	16 34 28	7°39'03	8♋58	1♊49	4°32	16° 4	5°49	3°48	8°56	28°11	3° 8	29°21	29°52	5°19	n.a.	S 15
M16	16 38 25	8°36'22	22°15	3°55	5°43	16°42	6° 3	3°46	8°55	28°13	3° 6	29°15	29°49	5°26	n.a.	M16
T 17	16 42 21	9°33'41	5♌42	6° 1	6°54	17°19	6°16	3°44	8°54	28°15	3° 5	29°11	29°46	5°32	n.a.	T 17
W18	16 46 18	10°31'02	19°21	8° 8	8° 5	17°56	6°29	3°43	8°53	28°16	3° 3	29° 9	29°42	5°39	n.a.	W18
T 19	16 50 14	11°28'23	3♍11	10°13	9°17	18°33	6°43	3°41	8°53	28°18	3° 2	29°D 9	29°39	5°46	n.a.	T 19
F 20	16 54 11	12°25'45	17°11	12°18	10°28	19°10	6°56	3°39	8°52	28°19	3° 1	29°R 9	29°36	5°52	n.a.	F 20
S 21	16 58 7	13°23'08	1♎23	14°23	11°39	19°47	7° 9	3°37	8°50	28°21	2°59	29° 8	29°33	5°59	n.a.	S 21
S 22	17 2 4	14°20'32	15°44	16°26	12°51	20°23	7°23	3°35	8°49	28°23	2°58	29° 5	29°30	6° 6	n.a.	S 22
M23	17 6 1	15°17'56	0♏12	18°29	14° 2	21° 0	7°36	3°32	8°48	28°25	2°56	28°59	29°26	6°12	n.a.	M23
T 24	17 9 57	16°15'22	14°42	20°30	15°14	21°36	7°49	3°30	8°47	28°26	2°55	28°51	29°23	6°19	n.a.	T 24
W25	17 13 54	17°12'49	29° 8	22°30	16°26	22°12	8° 2	3°28	8°46	28°28	2°53	28°41	29°20	6°26	n.a.	W25
T 26	17 17 50	18°10'17	13♐24	24°28	17°37	22°47	8°16	3°25	8°45	28°30	2°52	28°31	29°17	6°32	n.a.	T 26
F 27	17 21 47	19° 7'46	27°24	26°26	18°49	23°23	8°29	3°23	8°43	28°32	2°51	28°20	29°14	6°39	n.a.	F 27
S 28	17 25 43	20° 5'17	11♑ 4	28°22	20° 1	23°58	8°42	3°20	8°42	28°33	2°49	28°12	29°11	6°46	n.a.	S 28
S 29	17 29 40	21° 2'49	24°21	0♋16	21°13	24°33	8°55	3°17	8°41	28°35	2°48	28° 5	29° 7	6°52	n.a.	S 29
M30	17 33 36	22♊ 0'23	7♒15	2♋ 9	22♉25	25♓ 8	9♊ 8	3♒14	8♒39	28♋37	2♐47	28♌ 1	29♌ 4	6♈59	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n12	19s21	3n32	12n 4	1s38	5n24	1s58	11s 7	2s11	21n 7	0n 1	21s12	1s38	19s 4	0s46	21n56	0n59	21s56	0s42	11n22	11n28	1s 3		n.a.
M 2	19 26	18 6	2 39	12 47	1 25	5 52	1 57	10 53	2 12	21 10	0 1	21 12	1 38	19 4	0 46	21 56	0 59	21 55	0 42	11 24	11 29	1 1		n.a.
T 3	19 40	15 59	1 39	13 30	1 13	6 20	1 56	10 38	2 12	21 12	0 2	21 13	1 38	19 4	0 46	21 55	0 58	21 55	0 42	11 24	11 30	0 59		n.a.
W 4	19 53	13 12	0 36	14 15	1 1	6 48	1 54	10 24	2 13	21 15	0 2	21 13	1 39	19 4	0 46	21 55	0 58	21 55	0 42	11 25	11 31	0 57		n.a.
T 5	20 7	9 54	0s28	14 59	0 48	7 16	1 53	10 9	2 14	21 18	0 2	21 13	1 39	19 5	0 46	21 55	0 58	21 55	0 42	11 25	11 32	0 55		n.a.
F 6	20 20	6 14	1 30	15 44	0 36	7 44	1 52	9 54	2 14	21 21	0 2	21 14	1 39	19 5	0 46	21 55	0 58	21 55	0 42	11 25	11 34	0 53		n.a.
S 7	20 32	2 21	2 27	16 29	0 24	8 11	1 50	9 40	2 15	21 23	0 2	21 14	1 39	19 5	0 46	21 54	0 58	21 54	0 42	11 26	11 35	0 51		n.a.
S 8	20 44	1n37	3 18	17 13	0 12	8 39	1 48	9 25	2 15	21 26	0 2	21 15	1 40	19 5	0 46	21 54	0 58	21 54	0 42	11 27	11 36	0 49		n.a.
M 9	20 56	5 34	4 1	17 57	0n 0	9 6	1 47	9 11	2 16	21 28	0 2	21 15	1 40	19 5	0 46	21 54	0 58	21 54	0 43	11 30	11 37	0 47		n.a.
T 10	21 8	9 20	4 33	18 40	0 11	9 33	1 45	8 56	2 16	21 31	0 2	21 16	1 40	19 5	0 46	21 53	0 58	21 54	0 43	11 33	11 38	0 45		n.a.
W11	21 19	12 46	4 54	19 22	0 22	10 0	1 43	8 42	2 17	21 34	0 2	21 16	1 40	19 5	0 46	21 53	0 58	21 54	0 43	11 38	11 39	0 43		n.a.
T 12	21 30	15 42	5 0	20 3	0 33	10 27	1 42	8 27	2 18	21 36	0 3	21 17	1 40	19 6	0 46	21 53	0 58	21 53	0 43	11 42	11 40	0 41		n.a.
F 13	21 40	17 57	4 52	20 42	0 43	10 54	1 40	8 12	2 18	21 39	0 3	21 17	1 41	19 6	0 46	21 52	0 58	21 53	0 43	11 47	11 42	0 39		n.a.
S 14	21 50	19 20	4 30	21 19	0 52	11 20	1 38	7 58	2 19	21 41	0 3	21 18	1 41	19 6	0 46	21 52	0 58	21 53	0 43	11 51	11 43	0 37		n.a.
S 15	22 0	19 43	3 52	21 54	1 1	11 46	1 36	7 43	2 19	21 44	0 3	21 18	1 41	19 6	0 46	21 52	0 58	21 53	0 43	11 55	11 44	0 35		n.a.
M16	22 9	19 1	3 2	22 27	1 9	12 12	1 34	7 29	2 20	21 46	0 3	21 19	1 41	19 7	0 46	21 51	0 58	21 53	0 43	11 57	11 45	0 33		n.a.
T 17	22 18	17 15	2 1	22 58	1 16	12 38	1 32	7 15	2 20	21 49	0 3	21 19	1 42	19 7	0 46	21 51	0 58	21 52	0 43	11 59	11 46	0 31		n.a.
W18	22 27	14 29	0 52	23 26	1 22	13 4	1 29	7 0	2 21	21 51	0 3	21 20	1 42	19 7	0 47	21 51	0 58	21 52	0 43	11 59	11 47	0 29		n.a.
T 19	22 35	10 52	0n21	23 51	1 28	13 29	1 27	6 46	2 21	21 53	0 3	21 21	1 42	19 7	0 47	21 50	0 58	21 52	0 43	11 59	11 48	0 27		n.a.
F 20	22 43	6 36	1 34	24 14	1 33	13 54	1 25	6 32	2 21	21 56	0 3	21 21	1 42	19 8	0 47	21 50	0 58	21 52	0 44	11 59	11 50	0 25		n.a.
S 21	22 50	1 55	2 42	24 34	1 38	14 18	1 23	6 17	2 22	21 58	0 4	21 22	1 43	19 8	0 47	21 50	0 58	21 52	0 44	12 0	11 51	0 23		n.a.
S 22	22 57	2s55	3 40	24 52	1 42	14 43	1 20	6 3	2 22	22 1	0 4	21 23	1 43	19 8	0 47	21 49	0 58	21 52	0 44	12 1	11 52	0 21		n.a.
M23	23 4	7 37	4 25	25 7	1 45	15 7	1 18	5 49	2 23	22 3	0 4	21 24	1 43	19 9	0 47	21 49	0 58	21 51	0 44	12 3	11 53	0 19		n.a.
T 24	23 10	11 53	4 53	25 19	1 47	15 30	1 16	5 35	2 23	22 5	0 4	21 24	1 43	19 9	0 47	21 49	0 58	21 51	0 44	12 5	11 54	0 17		n.a.
W25	23 16	15 26	5 2	25 29	1 49	15 54	1 13	5 21	2 24	22 8	0 4	21 25	1 43	19 9	0 47	21 48	0 58	21 51	0 44	12 9	11 55	0 15		n.a.
T 26	23 21	18 0	4 52	25 36	1 50	16 17	1 11	5 7	2 24	22 10	0 4	21 26	1 44	19 10	0 47	21 48	0 58	21 51	0 44	12 13	11 56	0 13		n.a.
F 27	23 26	19 27	4 25	25 40	1 50	16 39	1 8	4 53	2 24	22 12	0 4	21 27	1 44	19 10	0 47	21 47	0 58	21 51	0 44	12 16	11 57	0 11		n.a.
S 28	23 31	19 43	3 42	25 42	1 50	17 2	1 6	4 39	2 25	22 14	0 4	21 28	1 44	19 11	0 47	21 47	0 58	21 50	0 44	12 19	11 59	0 9		n.a.
S 29	23 35	18 53	2 49	25 42	1 49	17 23	1 3	4 25	2 25	22 16	0 4	21 29	1 44	19 11	0 47	21 47	0 58	21 50	0 44	12 22	12 0	0 7		n.a.
M30	23n39	17s 4	1n48	25n40	1n48	17n45	1s 0	4s11	2s26	22n19	0n 5	21s29	1s45	19s11	0s47	21n46	0n58	21s50	0s44	12n23	12n 1	0s 5		n.a.

Julian Day Number = 1105032.5, Delta T = 10h58m37s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'06, Lahiri = -27°14'06 Julian Calendar 1 June 1688 BCE == Greg. Calendar 18 May 1688 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

JULY 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 37 33	22♊57'58	19♒47	4♋ 0	23♉37	25♓43	9♊21	3°R11	8°R38	28♋39	2°R45	27°R59	29♌ 1	7♈ 6	n.a.	T 1
W 2	17 41 30	23°55'34	2♓ 2	5°50	24°49	26°18	9°35	3♒ 8	8♒36	28°41	2♐44	27°D58	28°58	7°12	n.a.	W 2
T 3	17 45 26	24°53'13	14° 3	7°39	26° 1	26°52	9°48	3° 5	8°35	28°43	2°43	27♌59	28°55	7°19	n.a.	T 3
F 4	17 49 23	25°50'53	25°56	9°26	27°14	27°26	10° 1	3° 2	8°33	28°45	2°41	27°R59	28°52	7°26	n.a.	F 4
S 5	17 53 19	26°48'35	7♈45	11°12	28°26	28° 0	10°14	2°59	8°32	28°47	2°40	27°59	28°48	7°32	n.a.	S 5
S 6	17 57 16	27°46'19	19°37	12°56	29°38	28°33	10°27	2°55	8°30	28°49	2°39	27°56	28°45	7°39	n.a.	S 6
M 7	18 1 12	28°44'05	1♉36	14°39	0♊51	29° 6	10°40	2°52	8°28	28°51	2°37	27°52	28°42	7°46	n.a.	M 7
T 8	18 5 9	29°41'52	13°46	16°20	2° 3	29°39	10°53	2°49	8°27	28°53	2°36	27°45	28°39	7°52	n.a.	T 8
W 9	18 9 5	0♋39'42	26°11	18° 0	3°16	0♈12	11° 6	2°45	8°25	28°55	2°35	27°36	28°36	7°59	n.a.	W 9
T 10	18 13 2	1°37'33	8♊51	19°39	4°29	0°45	11°19	2°41	8°23	28°57	2°34	27°26	28°32	8° 6	n.a.	T 10
F 11	18 16 59	2°35'26	21°48	21°16	5°41	1°17	11°32	2°38	8°22	28°59	2°32	27°16	28°29	8°12	n.a.	F 11
S 12	18 20 55	3°33'20	5♋ 2	22°52	6°54	1°49	11°44	2°34	8°20	29° 1	2°31	27° 8	28°26	8°19	n.a.	S 12
S 13	18 24 52	4°31'17	18°30	24°26	8° 7	2°21	11°57	2°30	8°18	29° 3	2°30	27° 1	28°23	8°26	n.a.	S 13
M14	18 28 48	5°29'15	2♌11	25°59	9°20	2°52	12°10	2°26	8°16	29° 5	2°29	26°56	28°20	8°33	n.a.	M14
T 15	18 32 45	6°27'15	16° 2	27°31	10°33	3°23	12°23	2°22	8°14	29° 7	2°28	26°53	28°17	8°39	n.a.	T 15
W16	18 36 41	7°25'16	29°59	29° 1	11°46	3°54	12°35	2°18	8°12	29° 9	2°27	26°D53	28°13	8°46	n.a.	W16
T 17	18 40 38	8°23'19	14♍ 3	0♌30	12°59	4°24	12°48	2°14	8°10	29°11	2°26	26°54	28°10	8°53	n.a.	T 17
F 18	18 44 34	9°21'23	28°10	1°58	14°12	4°55	13° 1	2°10	8° 8	29°13	2°24	26°55	28° 7	8°59	n.a.	F 18
S 19	18 48 31	10°19'29	12♎20	3°24	15°25	5°24	13°13	2° 6	8° 6	29°15	2°23	26°R55	28° 4	9° 6	n.a.	S 19
S 20	18 52 28	11°17'36	26°30	4°49	16°38	5°54	13°26	2° 2	8° 4	29°18	2°22	26°54	28° 1	9°13	n.a.	S 20
M21	18 56 24	12°15'45	10♏40	6°12	17°51	6°23	13°38	1°58	8° 2	29°20	2°21	26°51	27°57	9°19	n.a.	M21
T 22	19 0 21	13°13'55	24°46	7°33	19° 5	6°52	13°51	1°53	8° 0	29°22	2°20	26°46	27°54	9°26	n.a.	T 22
W23	19 4 17	14°12'08	8♐45	8°54	20°18	7°21	14° 3	1°49	7°58	29°24	2°19	26°40	27°51	9°33	n.a.	W23
T 24	19 8 14	15°10'22	22°34	10°12	21°31	7°49	14°15	1°45	7°55	29°26	2°18	26°33	27°48	9°39	n.a.	T 24
F 25	19 12 10	16° 8'38	6♑10	11°29	22°45	8°17	14°28	1°40	7°53	29°28	2°17	26°27	27°45	9°46	n.a.	F 25
S 26	19 16 7	17° 6'56	19°30	12°45	23°58	8°44	14°40	1°36	7°51	29°31	2°16	26°21	27°42	9°53	n.a.	S 26
S 27	19 20 3	18° 5'15	2♒32	13°58	25°12	9°11	14°52	1°31	7°49	29°33	2°15	26°17	27°38	9°59	n.a.	S 27
M28	19 24 0	19° 3'37	15°16	15°10	26°26	9°38	15° 4	1°27	7°47	29°35	2°15	26°15	27°35	10° 6	n.a.	M28
T 29	19 27 57	20° 2'01	27°43	16°20	27°39	10° 5	15°16	1°22	7°44	29°37	2°14	26°D14	27°32	10°13	n.a.	T 29
W30	19 31 53	21° 0'27	9♓55	17°27	28°53	10°31	15°28	1°18	7°42	29°39	2°13	26°15	27°29	10°19	n.a.	W30
T 31	19 35 50	21♋58'56	21♓55	18♌33	0♋ 7	10♈56	15♊40	1♒13	7♒40	29♋42	2♐12	26♌17	27♌26	10♈26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23n42	14s28	0n44	25n35	1n46	18n 6	0s58	3s57	2s26	22n21	0n 5	21s30	1s45	19s12	0s47	21n46	0n58	21s50	0s45	12n24	12n 2	0s 3			n.a.
W 2	23 45	11 17	0s22	25 29	1 43	18 26	0 55	3 44	2 26	22 23	0 5	21 31	1 45	19 12	0 47	21 45	0 58	21 50	0 45	12 24	12 3	0 1			n.a.
T 3	23 47	7 41	1 25	25 20	1 41	18 46	0 52	3 30	2 27	22 25	0 5	21 32	1 45	19 13	0 47	21 45	0 58	21 49	0 45	12 24	12 4	0n 1			n.a.
F 4	23 49	3 50	2 24	25 10	1 37	19 6	0 50	3 17	2 27	22 27	0 5	21 33	1 45	19 13	0 47	21 45	0 58	21 49	0 45	12 24	12 5	0 4			n.a.
S 5	23 51	0n 8	3 16	24 58	1 34	19 25	0 47	3 3	2 27	22 29	0 5	21 34	1 46	19 14	0 47	21 44	0 58	21 49	0 45	12 24	12 6	0 6			n.a.
S 6	23 52	4 7	4 0	24 44	1 29	19 44	0 44	2 50	2 28	22 31	0 5	21 35	1 46	19 14	0 47	21 44	0 58	21 49	0 45	12 25	12 8	0 8			n.a.
M 7	23 53	7 58	4 34	24 28	1 25	20 2	0 42	2 37	2 28	22 33	0 5	21 36	1 46	19 14	0 47	21 43	0 58	21 49	0 45	12 26	12 9	0 10			n.a.
T 8	23 53	11 34	4 56	24 12	1 20	20 20	0 39	2 24	2 28	22 35	0 5	21 37	1 46	19 15	0 47	21 43	0 58	21 49	0 45	12 29	12 10	0 12			n.a.
W 9	23 53	14 43	5 5	23 53	1 15	20 37	0 36	2 11	2 28	22 37	0 6	21 38	1 46	19 15	0 47	21 43	0 58	21 48	0 45	12 32	12 11	0 14			n.a.
T 10	23 53	17 16	4 59	23 34	1 9	20 53	0 33	1 58	2 29	22 39	0 6	21 39	1 47	19 16	0 47	21 42	0 58	21 48	0 45	12 35	12 12	0 16			n.a.
F 11	23 52	19 0	4 38	23 13	1 3	21 9	0 30	1 45	2 29	22 41	0 6	21 40	1 47	19 16	0 47	21 42	0 58	21 48	0 45	12 39	12 13	0 18			n.a.
S 12	23 50	19 46	4 2	22 51	0 57	21 25	0 28	1 32	2 29	22 43	0 6	21 41	1 47	19 17	0 47	21 41	0 58	21 48	0 45	12 42	12 14	0 20			n.a.
S 13	23 49	19 26	3 11	22 28	0 51	21 40	0 25	1 20	2 29	22 45	0 6	21 42	1 47	19 17	0 47	21 41	0 58	21 48	0 46	12 44	12 15	0 22			n.a.
M14	23 46	17 57	2 9	22 4	0 44	21 54	0 22	1 7	2 30	22 47	0 6	21 43	1 47	19 18	0 47	21 40	0 58	21 48	0 46	12 46	12 17	0 24			n.a.
T 15	23 44	15 24	0 58	21 39	0 37	22 8	0 19	0 55	2 30	22 48	0 6	21 44	1 47	19 19	0 47	21 40	0 58	21 47	0 46	12 47	12 18	0 26			n.a.
W16	23 41	11 57	0n17	21 13	0 30	22 21	0 17	0 43	2 30	22 50	0 6	21 46	1 48	19 19	0 47	21 39	0 58	21 47	0 46	12 47	12 19	0 28			n.a.
T 17	23 37	7 47	1 31	20 47	0 22	22 33	0 14	0 31	2 30	22 52	0 6	21 47	1 48	19 20	0 47	21 39	0 58	21 47	0 46	12 47	12 20	0 30			n.a.
F 18	23 33	3 12	2 41	20 20	0 14	22 45	0 11	0 19	2 30	22 54	0 7	21 48	1 48	19 20	0 47	21 39	0 58	21 47	0 46	12 46	12 21	0 32			n.a.
S 19	23 29	1s35	3 41	19 52	0 7	22 56	0 8	0 7	2 31	22 55	0 7	21 49	1 48	19 21	0 47	21 38	0 58	21 47	0 46	12 46	12 22	0 34			n.a.
S 20	23 24	6 16	4 27	19 24	0s 1	23 7	0 5	0n 5	2 31	22 57	0 7	21 50	1 48	19 21	0 47	21 38	0 58	21 47	0 46	12 47	12 23	0 36			n.a.
M21	23 19	10 36	4 57	18 55	0 10	23 17	0 3	0 17	2 31	22 59	0 7	21 51	1 48	19 22	0 47	21 37	0 58	21 47	0 46	12 48	12 24	0 38			n.a.
T 22	23 13	14 19	5 9	18 26	0 18	23 26	0n 0	0 28	2 31	23 0	0 7	21 52	1 49	19 22	0 48	21 37	0 58	21 46	0 46	12 49	12 26	0 40			n.a.
W23	23 7	17 12	5 2	17 57	0 27	23 34	0 3	0 40	2 31	23 2	0 7	21 53	1 49	19 23	0 48	21 36	0 58	21 46	0 46	12 51	12 27	0 42			n.a.
T 24	23 0	19 3	4 38	17 27	0 35	23 42	0 5	0 51	2 31	23 4	0 7	21 55	1 49	19 24	0 48	21 36	0 58	21 46	0 46	12 54	12 28	0 45			n.a.
F 25	22 53	19 46	3 58	16 57	0 44	23 49	0 8	1 2	2 31	23 5	0 7	21 56	1 49	19 24	0 48	21 35	0 58	21 46	0 47	12 56	12 29	0 47			n.a.
S 26	22 46	19 22	3 6	16 27	0 53	23 56	0 11	1 13	2 32	23 7	0 7	21 57	1 49	19 25	0 48	21 35	0 58	21 46	0 47	12 58	12 30	0 49			n.a.
S 27	22 38	17 56	2 6	15 57	1 2	24 1	0 13	1 24	2 32	23 8	0 8	21 58	1 49	19 25	0 48	21 34	0 58	21 46	0 47	12 59	12 31	0 51			n.a.
M28	22 30	15 37	1 0	15 28	1 11	24 6	0 16	1 34	2 32	23 10	0 8	21 59	1 49	19 26	0 48	21 34	0 58	21 46	0 47	13 0	12 32	0 53			n.a.
T 29	22 22	12 37	0s 8	14 58	1 20	24 11	0 19	1 45	2 32	23 11	0 8	22 0	1 49	19 27	0 48	21 34	0 58	21 46	0 47	13 0	12 33	0 55			n.a.
W30	22 13	9 8	1 14	14 29	1 29	24 14	0 21	1 55	2 32	23 13	0 8	22 2	1 50	19 27	0 48	21 33	0 58	21 46	0 47	13 0	12 34	0 57			n.a.
T 31	22n 3	5s20	2s16	14n 0	1s38	24n17	0n24	2n 5	2s32	23n14	0n 8	22s 3	1s50	19s28	0s48	21n33	0n58	21s45	0s47	13n 0	12n36	0n59			n.a.

Julian Day Number = 1105062.5, Delta T = 10h58m35s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°21'02, Lahiri = -27°14'02 Julian Calendar 1 July 1688 BCE == Greg. Calendar 17 June 1688 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

AUGUST 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 39 46	22♋57'26	3♈48	19♌36	1♋21	11♈21	15♊52	1°R 8	7°R38	29♋44	2°R11	26♌18	27♌23	10♈33	n.a.	F 1
S 2	19 43 43	23°55'59	15°38	20°37	2°34	11°46	16° 4	1♒ 4	7♒35	29°46	2♐10	26°20	27°19	10°39	n.a.	S 2
S 3	19 47 39	24°54'34	27°31	21°36	3°48	12°11	16°15	0°59	7°33	29°48	2°10	26°R20	27°16	10°46	n.a.	S 3
M 4	19 51 36	25°53'12	9♉30	22°32	5° 2	12°34	16°27	0°54	7°31	29°50	2° 9	26°19	27°13	10°53	n.a.	M 4
T 5	19 55 32	26°51'52	21°42	23°25	6°16	12°58	16°39	0°50	7°28	29°53	2° 8	26°17	27°10	11° 0	n.a.	T 5
W 6	19 59 29	27°50'35	4♊ 9	24°14	7°31	13°21	16°50	0°45	7°26	29°55	2° 8	26°13	27° 7	11° 6	n.a.	W 6
T 7	20 3 25	28°49'19	16°55	25° 1	8°45	13°44	17° 2	0°40	7°23	29°57	2° 7	26° 9	27° 3	11°13	n.a.	T 7
F 8	20 7 22	29°48'07	0♋ 3	25°43	9°59	14° 6	17°13	0°35	7°21	29°59	2° 6	26° 5	27° 0	11°20	n.a.	F 8
S 9	20 11 19	0♌46'56	13°31	26°22	11°13	14°27	17°25	0°31	7°19	0♌ 2	2° 6	26° 1	26°57	11°26	n.a.	S 9
S 10	20 15 15	1°45'48	27°19	26°57	12°27	14°48	17°36	0°26	7°16	0° 4	2° 5	25°58	26°54	11°33	n.a.	S 10
M11	20 19 12	2°44'42	11♌24	27°27	13°42	15° 9	17°47	0°21	7°14	0° 6	2° 5	25°56	26°51	11°40	n.a.	M11
T 12	20 23 8	3°43'38	25°41	27°52	14°56	15°29	17°58	0°17	7°12	0° 8	2° 4	25°D56	26°48	11°46	n.a.	T 12
W13	20 27 5	4°42'36	10♍ 6	28°12	16°11	15°48	18° 9	0°12	7° 9	0°11	2° 4	25°56	26°44	11°53	n.a.	W13
T 14	20 31 1	5°41'36	24°33	28°26	17°25	16° 7	18°20	0° 7	7° 7	0°13	2° 3	25°57	26°41	12° 0	n.a.	T 14
F 15	20 34 58	6°40'37	8♎58	28°34	18°40	16°26	18°31	0° 3	7° 4	0°15	2° 3	25°59	26°38	12° 6	n.a.	F 15
S 16	20 38 54	7°39'41	23°18	28°R36	19°54	16°44	18°42	29♏58	7° 2	0°17	2° 2	26° 0	26°35	12°13	n.a.	S 16
S 17	20 42 51	8°38'47	7♏29	28°31	21° 9	17° 1	18°52	29°53	6°59	0°19	2° 2	26°R 0	26°32	12°20	n.a.	S 17
M18	20 46 47	9°37'55	21°30	28°18	22°23	17°17	19° 3	29°49	6°57	0°22	2° 1	26° 0	26°29	12°26	n.a.	M18
T 19	20 50 44	10°37'04	5♐19	27°58	23°38	17°34	19°13	29°44	6°55	0°24	2° 1	25°59	26°25	12°33	n.a.	T 19
W20	20 54 41	11°36'16	18°56	27°30	24°53	17°49	19°24	29°39	6°52	0°26	2° 1	25°57	26°22	12°40	n.a.	W20
T 21	20 58 37	12°35'29	2♑20	26°55	26° 7	18° 4	19°34	29°35	6°50	0°28	2° 1	25°55	26°19	12°46	n.a.	T 21
F 22	21 2 34	13°34'45	15°30	26°12	27°22	18°18	19°44	29°30	6°47	0°30	2° 0	25°54	26°16	12°53	n.a.	F 22
S 23	21 6 30	14°34'02	28°26	25°22	28°37	18°32	19°54	29°26	6°45	0°33	2° 0	25°52	26°13	13° 0	n.a.	S 23
S 24	21 10 27	15°33'22	11♒ 8	24°25	29°52	18°45	20° 5	29°21	6°43	0°35	2° 0	25°51	26° 9	13° 7	n.a.	S 24
M25	21 14 23	16°32'44	23°37	23°22	1♌ 7	18°57	20°14	29°17	6°40	0°37	2° 0	25°D51	26° 6	13°13	n.a.	M25
T 26	21 18 20	17°32'08	5♓54	22°15	2°21	19° 8	20°24	29°13	6°38	0°39	2° 0	25°51	26° 3	13°20	n.a.	T 26
W27	21 22 16	18°31'34	18° 0	21° 5	3°36	19°19	20°34	29° 8	6°36	0°41	2° 0	25°52	26° 0	13°27	n.a.	W27
T 28	21 26 13	19°31'02	29°57	19°54	4°51	19°30	20°44	29° 4	6°33	0°43	1°59	25°52	25°57	13°33	n.a.	T 28
F 29	21 30 9	20°30'33	11♈49	18°43	6° 6	19°39	20°53	29° 0	6°31	0°46	1°59	25°53	25°54	13°40	n.a.	F 29
S 30	21 34 6	21°30'07	23°39	17°35	7°21	19°48	21° 3	28°56	6°29	0°48	1°D59	25°53	25°50	13°47	n.a.	S 30
S 31	21 38 3	22♌29'42	5♉31	16♌32	8♌36	19♈56	21♊12	28♏52	6♒26	0♌50	1♐59	25♌54	25♌47	13♈53	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n54	1s22	3s11	13n31	1s48	24n19	0n26	2n15	2s32	23n16	0n 8	22s 4	1s50	19s28	0s48	21n32	0n58	21s45	0s47	12n59	12n37	1n 1		n.a.
S 2	21 43	2n37	3 58	13 3	1 57	24 20	0 29	2 25	2 32	23 17	0 8	22 5	1 50	19 29	0 48	21 32	0 58	21 45	0 47	12 58	12 38	1 3		n.a.
S 3	21 33	6 31	4 35	12 35	2 6	24 21	0 31	2 35	2 32	23 18	0 8	22 6	1 50	19 30	0 48	21 31	0 58	21 45	0 47	12 58	12 39	1 5		n.a.
M 4	21 22	10 11	5 0	12 9	2 15	24 21	0 33	2 44	2 32	23 20	0 9	22 7	1 50	19 30	0 48	21 31	0 58	21 45	0 47	12 59	12 40	1 7		n.a.
T 5	21 11	13 30	5 12	11 43	2 24	24 20	0 36	2 54	2 32	23 21	0 9	22 8	1 50	19 31	0 48	21 30	0 58	21 45	0 47	12 59	12 41	1 9		n.a.
W 6	20 59	16 17	5 10	11 18	2 32	24 18	0 38	3 3	2 32	23 22	0 9	22 10	1 50	19 32	0 48	21 30	0 58	21 45	0 47	13 1	12 42	1 11		n.a.
T 7	20 47	18 22	4 53	10 54	2 41	24 16	0 40	3 12	2 31	23 24	0 9	22 11	1 50	19 32	0 48	21 29	0 58	21 45	0 48	13 2	12 43	1 13		n.a.
F 8	20 34	19 33	4 20	10 32	2 49	24 13	0 43	3 20	2 31	23 25	0 9	22 12	1 50	19 33	0 48	21 29	0 58	21 45	0 48	13 4	12 44	1 16		n.a.
S 9	20 22	19 40	3 32	10 11	2 57	24 9	0 45	3 29	2 31	23 26	0 9	22 13	1 51	19 33	0 48	21 28	0 58	21 45	0 48	13 5	12 46	1 18		n.a.
S 10	20 8	18 37	2 31	9 52	3 5	24 4	0 47	3 37	2 31	23 27	0 9	22 14	1 51	19 34	0 48	21 28	0 58	21 45	0 48	13 6	12 47	1 20		n.a.
M11	19 55	16 25	1 19	9 35	3 13	23 59	0 49	3 46	2 31	23 28	0 9	22 15	1 51	19 35	0 48	21 27	0 58	21 45	0 48	13 7	12 48	1 22		n.a.
T 12	19 41	13 11	0 1	9 19	3 19	23 53	0 51	3 54	2 31	23 30	0 10	22 16	1 51	19 35	0 48	21 27	0 58	21 45	0 48	13 7	12 49	1 24		n.a.
W13	19 27	9 7	1n17	9 6	3 26	23 46	0 53	4 1	2 30	23 31	0 10	22 17	1 51	19 36	0 48	21 26	0 58	21 45	0 48	13 7	12 50	1 26		n.a.
T 14	19 12	4 31	2 32	8 56	3 32	23 38	0 55	4 9	2 30	23 32	0 10	22 18	1 51	19 37	0 48	21 26	0 58	21 45	0 48	13 6	12 51	1 28		n.a.
F 15	18 57	0s19	3 36	8 49	3 37	23 30	0 57	4 16	2 30	23 33	0 10	22 20	1 51	19 37	0 48	21 26	0 58	21 45	0 48	13 6	12 52	1 30		n.a.
S 16	18 42	5 6	4 26	8 44	3 41	23 21	0 59	4 24	2 30	23 34	0 10	22 21	1 51	19 38	0 48	21 25	0 58	21 45	0 48	13 5	12 53	1 32		n.a.
S 17	18 26	9 33	5 0	8 43	3 44	23 11	1 1	4 31	2 29	23 35	0 10	22 22	1 51	19 39	0 48	21 25	0 58	21 45	0 48	13 5	12 54	1 34		n.a.
M18	18 10	13 25	5 15	8 46	3 46	23 1	1 2	4 37	2 29	23 36	0 10	22 23	1 51	19 39	0 48	21 24	0 58	21 45	0 48	13 5	12 55	1 36		n.a.
T 19	17 54	16 29	5 12	8 52	3 46	22 50	1 4	4 44	2 29	23 37	0 11	22 24	1 51	19 40	0 48	21 24	0 58	21 45	0 48	13 6	12 57	1 38		n.a.
W20	17 38	18 35	4 51	9 2	3 46	22 38	1 6	4 50	2 28	23 38	0 11	22 25	1 51	19 40	0 48	21 23	0 58	21 45	0 48	13 6	12 58	1 40		n.a.
T 21	17 21	19 37	4 15	9 17	3 43	22 25	1 7	4 56	2 28	23 39	0 11	22 26	1 51	19 41	0 48	21 23	0 58	21 45	0 49	13 7	12 59	1 42		n.a.
F 22	17 4	19 34	3 25	9 35	3 39	22 12	1 9	5 2	2 28	23 40	0 11	22 27	1 51	19 42	0 48	21 22	0 58	21 45	0 49	13 8	13 0	1 45		n.a.
S 23	16 46	18 29	2 26	9 58	3 33	21 58	1 10	5 8	2 27	23 41	0 11	22 28	1 51	19 42	0 48	21 22	0 58	21 45	0 49	13 8	13 1	1 47		n.a.
S 24	16 28	16 28	1 21	10 25	3 25	21 44	1 12	5 13	2 27	23 42	0 11	22 29	1 51	19 43	0 48	21 21	0 58	21 45	0 49	13 8	13 2	1 49		n.a.
M25	16 10	13 42	0 12	10 55	3 15	21 28	1 13	5 18	2 26	23 43	0 11	22 30	1 51	19 43	0 48	21 21	0 58	21 45	0 49	13 8	13 3	1 51		n.a.
T 26	15 52	10 23	0s55	11 28	3 3	21 13	1 14	5 23	2 26	23 44	0 12	22 31	1 51	19 44	0 48	21 20	0 59	21 45	0 49	13 8	13 4	1 53		n.a.
W27	15 33	6 40	2 0	12 4	2 49	20 56	1 16	5 28	2 25	23 44	0 12	22 32	1 51	19 45	0 48	21 20	0 59	21 45	0 49	13 8	13 5	1 55		n.a.
T 28	15 15	2 44	2 58	12 42	2 33	20 39	1 17	5 32	2 25	23 45	0 12	22 33	1 51	19 45	0 48	21 19	0 59	21 45	0 49	13 8	13 6	1 57		n.a.
F 29	14 55	1n16	3 49	13 21	2 16	20 21	1 18	5 37	2 24	23 46	0 12	22 33	1 51	19 46	0 48	21 19	0 59	21 45	0 49	13 8	13 8	1 59		n.a.
S 30	14 36	5 12	4 29	14 0	1 57	20 3	1 19	5 41	2 23	23 47	0 12	22 34	1 51	19 46	0 48	21 19	0 59	21 45	0 49	13 8	13 9	2 1		n.a.
S 31	14n16	8n56	4s58	14n38	1s38	19n44	1n20	5n44	2s23	23n48	0n12	22s35	1s51	19s47	0s48	21n18	0n59	21s45	0s49	13n 7	13n10	2n 3		n.a.

Julian Day Number = 1105093.5, Delta T = 10h58m33s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'58, Lahiri = -27°13'58 Julian Calendar 1 Aug. 1688 BCE == Greg. Calendar 18 July 1688 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

SEPTEMBER 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 41 59	23♌29'21	17♉29	15°R35	9♌52	20♈ 3	21♊21	28°R48	6°R24	0♌52	1♐59	25♌54	25♌44	14♈ 0	n.a.	M 1
T 2	21 45 56	24°29'01	29°38	14♌46	11° 7	20° 9	21°30	28♋43	6♒22	0°54	2° 0	25°R54	25°41	14° 7	n.a.	T 2
W 3	21 49 52	25°28'44	12♊ 3	14° 6	12°22	20°15	21°39	28°40	6°19	0°56	2° 0	25°D54	25°38	14°13	n.a.	W 3
T 4	21 53 49	26°28'30	24°47	13°37	13°37	20°20	21°48	28°36	6°17	0°58	2° 0	25°54	25°35	14°20	n.a.	T 4
F 5	21 57 45	27°28'18	7♋55	13°18	14°52	20°24	21°57	28°32	6°15	1° 0	2° 0	25°54	25°31	14°27	n.a.	F 5
S 6	22 1 42	28°28'08	21°27	13°D11	16° 8	20°27	22° 5	28°28	6°13	1° 2	2° 0	25°54	25°28	14°34	n.a.	S 6
S 7	22 5 38	29°28'01	5♌25	13°15	17°23	20°29	22°14	28°24	6°11	1° 4	2° 0	25°55	25°25	14°40	n.a.	S 7
M 8	22 9 35	0♍27'56	19°45	13°30	18°38	20°31	22°22	28°21	6° 9	1° 6	2° 1	25°R55	25°22	14°47	n.a.	M 8
T 9	22 13 32	1°27'53	4♍23	13°55	19°53	20°R31	22°30	28°17	6° 6	1° 8	2° 1	25°55	25°19	14°54	n.a.	T 9
W10	22 17 28	2°27'52	19°14	14°30	21° 9	20°31	22°38	28°14	6° 4	1°10	2° 1	25°54	25°15	15° 0	n.a.	W10
T 11	22 21 25	3°27'53	4♎ 9	15°14	22°24	20°30	22°46	28°10	6° 2	1°12	2° 2	25°54	25°12	15° 7	n.a.	T 11
F 12	22 25 21	4°27'56	18°59	16° 5	23°40	20°28	22°54	28° 7	6° 0	1°14	2° 2	25°53	25° 9	15°14	n.a.	F 12
S 13	22 29 18	5°28'00	3♏39	17° 4	24°55	20°25	23° 2	28° 4	5°58	1°16	2° 2	25°52	25° 6	15°20	n.a.	S 13
S 14	22 33 14	6°28'07	18° 3	18° 9	26°10	20°22	23° 9	28° 1	5°56	1°18	2° 3	25°51	25° 3	15°27	n.a.	S 14
M15	22 37 11	7°28'15	2♐ 8	19°20	27°26	20°17	23°17	27°57	5°54	1°20	2° 3	25°D50	25° 0	15°34	n.a.	M15
T 16	22 41 7	8°28'25	15°52	20°36	28°41	20°12	23°24	27°54	5°52	1°22	2° 4	25°50	24°56	15°40	n.a.	T 16
W17	22 45 4	9°28'37	29°16	21°55	29°57	20° 5	23°31	27°52	5°50	1°24	2° 4	25°51	24°53	15°47	n.a.	W17
T 18	22 49 0	10°28'51	12♋22	23°18	1♍12	19°58	23°38	27°49	5°49	1°25	2° 5	25°52	24°50	15°54	n.a.	T 18
F 19	22 52 57	11°29'06	25°12	24°45	2°28	19°50	23°45	27°46	5°47	1°27	2° 6	25°53	24°47	16° 1	n.a.	F 19
S 20	22 56 54	12°29'23	7♒47	26°13	3°43	19°41	23°52	27°43	5°45	1°29	2° 6	25°55	24°44	16° 7	n.a.	S 20
S 21	23 0 50	13°29'41	20°11	27°44	4°59	19°31	23°58	27°41	5°43	1°31	2° 7	25°R55	24°40	16°14	n.a.	S 21
M22	23 4 47	14°30'01	2♓24	29°16	6°14	19°21	24° 5	27°38	5°41	1°33	2° 7	25°55	24°37	16°21	n.a.	M22
T 23	23 8 43	15°30'23	14°29	0♍50	7°30	19° 9	24°11	27°36	5°40	1°34	2° 8	25°54	24°34	16°27	n.a.	T 23
W24	23 12 40	16°30'47	26°28	2°24	8°45	18°57	24°17	27°34	5°38	1°36	2° 9	25°52	24°31	16°34	n.a.	W24
T 25	23 16 36	17°31'13	8♈21	4° 0	10° 1	18°43	24°23	27°31	5°36	1°38	2°10	25°49	24°28	16°41	n.a.	T 25
F 26	23 20 33	18°31'41	20°12	5°36	11°16	18°30	24°29	27°29	5°35	1°39	2°10	25°45	24°25	16°47	n.a.	F 26
S 27	23 24 29	19°32'10	2♉ 2	7°12	12°32	18°15	24°34	27°27	5°33	1°41	2°11	25°41	24°21	16°54	n.a.	S 27
S 28	23 28 26	20°32'42	13°55	8°49	13°48	17°59	24°40	27°26	5°32	1°43	2°12	25°37	24°18	17° 1	n.a.	S 28
M29	23 32 22	21°33'16	25°52	10°26	15° 3	17°43	24°45	27°24	5°30	1°44	2°13	25°34	24°15	17° 7	n.a.	M29
T 30	23 36 19	22♍33'51	7♊59	12♍ 4	16♍19	17♈26	24♊50	27♋22	5♒29	1♌46	2♐14	25♌31	24♌12	17♈14	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n57	12n21	5s14	15n14	1s17	19n24	1n21	5n48	2s22	23n48	0n12	22s36	1s51	19s48	0s48	21n18	0n59	21s45	0s49	13n 7	13n11	2n 5		n.a.
T 2	13 36	15 18	5 17	15 48	0 57	19 4	1 22	5 51	2 21	23 49	0 13	22 37	1 51	19 48	0 48	21 17	0 59	21 45	0 49	13 7	13 12	2 7		n.a.
W 3	13 16	17 37	5 5	16 19	0 37	18 44	1 22	5 54	2 20	23 50	0 13	22 38	1 51	19 49	0 48	21 17	0 59	21 45	0 49	13 7	13 13	2 10		n.a.
T 4	12 55	19 9	4 38	16 46	0 18	18 22	1 23	5 56	2 20	23 51	0 13	22 38	1 51	19 49	0 48	21 16	0 59	21 45	0 49	13 7	13 14	2 12		n.a.
F 5	12 35	19 43	3 56	17 9	0n 1	18 1	1 24	5 59	2 19	23 51	0 13	22 39	1 51	19 50	0 48	21 16	0 59	21 46	0 50	13 7	13 15	2 14		n.a.
S 6	12 14	19 11	3 0	17 28	0 18	17 38	1 24	6 1	2 18	23 52	0 13	22 40	1 51	19 50	0 48	21 15	0 59	21 46	0 50	13 7	13 16	2 16		n.a.
S 7	11 52	17 28	1 51	17 42	0 35	17 16	1 25	6 3	2 17	23 53	0 13	22 41	1 51	19 51	0 48	21 15	0 59	21 46	0 50	13 7	13 17	2 18		n.a.
M 8	11 31	14 38	0 34	17 52	0 49	16 52	1 25	6 4	2 16	23 53	0 13	22 41	1 51	19 51	0 48	21 15	0 59	21 46	0 50	13 7	13 18	2 20		n.a.
T 9	11 9	10 48	0n47	17 58	1 3	16 28	1 26	6 5	2 15	23 54	0 14	22 42	1 51	19 52	0 48	21 14	0 59	21 46	0 50	13 7	13 20	2 22		n.a.
W10	10 47	6 16	2 6	17 59	1 15	16 4	1 26	6 6	2 14	23 55	0 14	22 43	1 51	19 52	0 48	21 14	0 59	21 46	0 50	13 7	13 21	2 24		n.a.
T 11	10 25	1 19	3 17	17 56	1 26	15 40	1 26	6 7	2 13	23 55	0 14	22 43	1 51	19 53	0 48	21 13	0 59	21 46	0 50	13 7	13 22	2 26		n.a.
F 12	10 3	3s40	4 14	17 49	1 35	15 14	1 26	6 7	2 11	23 56	0 14	22 44	1 51	19 53	0 48	21 13	0 59	21 46	0 50	13 8	13 23	2 28		n.a.
S 13	9 41	8 22	4 54	17 38	1 42	14 49	1 26	6 7	2 10	23 56	0 14	22 45	1 51	19 54	0 48	21 13	0 59	21 47	0 50	13 8	13 24	2 30		n.a.
S 14	9 18	12 30	5 14	17 24	1 49	14 23	1 27	6 7	2 9	23 57	0 14	22 45	1 51	19 54	0 48	21 12	0 59	21 47	0 50	13 8	13 25	2 32		n.a.
M15	8 56	15 50	5 15	17 6	1 54	13 57	1 27	6 6	2 8	23 57	0 15	22 46	1 51	19 55	0 48	21 12	0 59	21 47	0 50	13 9	13 26	2 35		n.a.
T 16	8 33	18 11	4 58	16 46	1 58	13 30	1 26	6 6	2 6	23 58	0 15	22 46	1 51	19 55	0 47	21 11	0 59	21 47	0 50	13 9	13 27	2 37		n.a.
W17	8 10	19 28	4 25	16 22	2 1	13 3	1 26	6 4	2 5	23 59	0 15	22 47	1 51	19 56	0 47	21 11	0 59	21 47	0 50	13 8	13 28	2 39		n.a.
T 18	7 47	19 41	3 38	15 56	2 3	12 35	1 26	6 3	2 3	23 59	0 15	22 48	1 51	19 56	0 47	21 11	0 59	21 47	0 50	13 8	13 29	2 41		n.a.
F 19	7 23	18 50	2 42	15 28	2 4	12 7	1 26	6 1	2 2	24 0	0 15	22 48	1 50	19 57	0 47	21 10	0 59	21 48	0 50	13 8	13 30	2 43		n.a.
S 20	7 0	17 5	1 39	14 58	2 5	11 39	1 25	5 59	2 0	24 0	0 15	22 48	1 50	19 57	0 47	21 10	0 59	21 48	0 51	13 7	13 31	2 45		n.a.
S 21	6 36	14 32	0 32	14 25	2 4	11 11	1 25	5 57	1 59	24 1	0 16	22 49	1 50	19 58	0 47	21 9	0 59	21 48	0 51	13 7	13 33	2 47		n.a.
M22	6 13	11 22	0s36	13 52	2 3	10 42	1 25	5 55	1 57	24 1	0 16	22 49	1 50	19 58	0 47	21 9	0 59	21 48	0 51	13 7	13 34	2 49		n.a.
T 23	5 49	7 46	1 41	13 16	2 1	10 13	1 24	5 52	1 55	24 1	0 16	22 50	1 50	19 58	0 47	21 9	0 59	21 48	0 51	13 7	13 35	2 51		n.a.
W24	5 25	3 53	2 41	12 39	1 59	9 43	1 23	5 49	1 53	24 2	0 16	22 50	1 50	19 59	0 47	21 8	0 59	21 49	0 51	13 8	13 36	2 53		n.a.
T 25	5 1	0n 7	3 33	12 1	1 56	9 14	1 23	5 45	1 51	24 2	0 16	22 51	1 50	19 59	0 47	21 8	0 59	21 49	0 51	13 9	13 37	2 55		n.a.
F 26	4 37	4 6	4 16	11 22	1 53	8 44	1 22	5 42	1 50	24 3	0 16	22 51	1 50	20 0	0 47	21 8	0 59	21 49	0 51	13 10	13 38	2 58		n.a.
S 27	4 13	7 55	4 48	10 42	1 49	8 14	1 21	5 38	1 48	24 3	0 17	22 51	1 50	20 0	0 47	21 7	0 59	21 49	0 51	13 12	13 39	3 0		n.a.
S 28	3 49	11 26	5 7	10 2	1 45	7 43	1 20	5 34	1 46	24 4	0 17	22 51	1 50	20 0	0 47	21 7	0 59	21 49	0 51	13 13	13 40	3 2		n.a.
M29	3 25	14 30	5 14	9 20	1 40	7 13	1 19	5 29	1 43	24 4	0 17	22 52	1 50	20 1	0 47	21 7	1 0	21 50	0 51	13 14	13 41	3 4		n.a.
T 30	3n 0	17n 1	5s 7	8n38	1n36	6n42	1n19	5n25	1s41	24n 4	0n17	22s52	1s49	20s 1	0s47	21n 6	1n 0	21s50	0s51	13n15	13n42	3n 6		n.a.

Julian Day Number = 1105124.5, Delta T = 10h58m31s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'54, Lahiri = -27°13'53 Julian Calendar 1 Sept. 1688 BCE == Greg. Calendar 18 Aug. 1688 BCE

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

OCTOBER 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 40 16	23♍34'29	20♊20	13♍41	17♍35	17°R 8	24♊55	27°R20	5°R27	1♘47	2♐15	25°D30	24♘ 9	17♈21	n.a.	W 1
T 2	23 44 12	24°35'08	2♋58	15°18	18°50	16♈50	25° 0	27♉19	5♒26	1°49	2°16	25♘31	24° 6	17°28	n.a.	T 2
F 3	23 48 9	25°35'50	15°58	16°55	20° 6	16°31	25° 5	27°18	5°25	1°50	2°17	25°32	24° 2	17°34	n.a.	F 3
S 4	23 52 5	26°36'33	29°23	18°32	21°21	16°11	25° 9	27°16	5°24	1°52	2°18	25°34	23°59	17°41	n.a.	S 4
S 5	23 56 2	27°37'18	13♘16	20° 9	22°37	15°51	25°13	27°15	5°22	1°53	2°19	25°35	23°56	17°48	n.a.	S 5
M 6	23 59 58	28°38'05	27°36	21°46	23°53	15°30	25°18	27°14	5°21	1°55	2°20	25°R35	23°53	17°54	n.a.	M 6
T 7	0 3 55	29°38'54	12♍22	23°22	25° 8	15° 9	25°21	27°13	5°20	1°56	2°21	25°34	23°50	18° 1	n.a.	T 7
W 8	0 7 51	0♎39'44	27°26	24°59	26°24	14°48	25°25	27°12	5°19	1°57	2°22	25°32	23°46	18° 8	n.a.	W 8
T 9	0 11 48	1°40'35	12♎40	26°35	27°40	14°25	25°29	27°12	5°18	1°59	2°23	25°27	23°43	18°14	n.a.	T 9
F 10	0 15 45	2°41'28	27°53	28°11	28°55	14° 3	25°32	27°11	5°17	2° 0	2°24	25°22	23°40	18°21	n.a.	F 10
S 11	0 19 41	3°42'22	12♏56	29°46	0♎11	13°40	25°35	27°10	5°16	2° 1	2°26	25°16	23°37	18°28	n.a.	S 11
S 12	0 23 38	4°43'18	27°39	1♎22	1°27	13°18	25°38	27°10	5°15	2° 3	2°27	25°10	23°34	18°35	n.a.	S 12
M13	0 27 34	5°44'14	11♐57	2°57	2°43	12°54	25°41	27°10	5°14	2° 4	2°28	25° 6	23°31	18°41	n.a.	M13
T 14	0 31 31	6°45'12	25°48	4°32	3°58	12°31	25°44	27°10	5°13	2° 5	2°29	25° 4	23°27	18°48	n.a.	T 14
W15	0 35 27	7°46'11	9♑12	6° 7	5°14	12° 8	25°46	27°D10	5°13	2° 6	2°31	25°D 3	23°24	18°55	n.a.	W15
T 16	0 39 24	8°47'10	22°12	7°42	6°30	11°45	25°49	27°10	5°12	2° 7	2°32	25° 4	23°21	19° 1	n.a.	T 16
F 17	0 43 20	9°48'10	4♒51	9°17	7°45	11°21	25°51	27°10	5°11	2° 8	2°33	25° 6	23°18	19° 8	n.a.	F 17
S 18	0 47 17	10°49'12	17°14	10°52	9° 1	10°58	25°53	27°10	5°11	2° 9	2°35	25° 7	23°15	19°15	n.a.	S 18
S 19	0 51 14	11°50'14	29°24	12°26	10°16	10°35	25°54	27°10	5°10	2°11	2°36	25°R 7	23°11	19°21	n.a.	S 19
M20	0 55 10	12°51'17	11♓26	14° 1	11°32	10°12	25°56	27°11	5°10	2°12	2°37	25° 5	23° 8	19°28	n.a.	M20
T 21	0 59 7	13°52'21	23°21	15°35	12°48	9°49	25°57	27°11	5° 9	2°13	2°39	25° 1	23° 5	19°35	n.a.	T 21
W22	1 3 3	14°53'26	5♈14	17° 9	14° 3	9°27	25°58	27°12	5° 9	2°13	2°40	24°55	23° 2	19°42	n.a.	W22
T 23	1 7 0	15°54'32	17° 5	18°43	15°19	9° 4	25°59	27°13	5° 8	2°14	2°42	24°47	22°59	19°48	n.a.	T 23
F 24	1 10 56	16°55'38	28°56	20°18	16°35	8°43	26° 0	27°14	5° 8	2°15	2°43	24°36	22°56	19°55	n.a.	F 24
S 25	1 14 53	17°56'46	10♉49	21°52	17°50	8°21	26° 0	27°15	5° 8	2°16	2°45	24°25	22°52	20° 2	n.a.	S 25
S 26	1 18 49	18°57'55	22°46	23°26	19° 6	8° 0	26° 1	27°16	5° 8	2°17	2°46	24°15	22°49	20° 8	n.a.	S 26
M27	1 22 46	19°59'05	4♊48	25° 0	20°22	7°40	26°R 1	27°17	5° 7	2°18	2°48	24° 5	22°46	20°15	n.a.	M27
T 28	1 26 43	21° 0'16	16°57	26°35	21°37	7°19	26° 1	27°19	5° 7	2°18	2°49	23°57	22°43	20°22	n.a.	T 28
W29	1 30 39	22° 1'27	29°17	28° 9	22°53	7° 0	26° 0	27°20	5° 7	2°19	2°51	23°52	22°40	20°28	n.a.	W29
T 30	1 34 36	23° 2'40	11♋52	29°43	24° 8	6°41	26° 0	27°22	5°D 7	2°20	2°53	23°49	22°37	20°35	n.a.	T 30
F 31	1 38 32	24♎ 3'54	24♋45	1♏18	25♎24	6♈23	25♊59	27♉23	5♒ 7	2♘21	2♐54	23°D49	22♘33	20♈42	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	2n36	18n47	4s45	7n55	1n31	6n11	1n17	5n20	1s39	24n 5	0n17	22s52	1s49	20s 1	0s47	21n 6	1n 0	21s50	0s51	13n15	13n43	3n 8			n.a.
T 2	2 11	19 42	4 9	7 12	1 25	5 40	1 16	5 15	1 37	24 5	0 18	22 52	1 49	20 2	0 47	21 6	1 0	21 50	0 51	13 15	13 44	3 10			n.a.
F 3	1 47	19 36	3 20	6 29	1 20	5 9	1 15	5 10	1 35	24 5	0 18	22 53	1 49	20 2	0 47	21 5	1 0	21 51	0 51	13 15	13 45	3 12			n.a.
S 4	1 22	18 24	2 19	5 45	1 14	4 37	1 14	5 4	1 32	24 6	0 18	22 53	1 49	20 2	0 47	21 5	1 0	21 51	0 51	13 14	13 47	3 14			n.a.
S 5	0 58	16 5	1 7	5 1	1 8	4 6	1 13	4 58	1 30	24 6	0 18	22 53	1 49	20 2	0 47	21 5	1 0	21 51	0 52	13 14	13 48	3 16			n.a.
M 6	0 33	12 42	0n11	4 17	1 2	3 34	1 11	4 53	1 27	24 6	0 18	22 53	1 49	20 3	0 47	21 5	1 0	21 52	0 52	13 14	13 49	3 19			n.a.
T 7	0 9	8 26	1 30	3 32	0 56	3 2	1 10	4 47	1 25	24 7	0 18	22 53	1 49	20 3	0 47	21 4	1 0	21 52	0 52	13 14	13 50	3 21			n.a.
W 8	0s16	3 33	2 45	2 48	0 50	2 30	1 9	4 40	1 22	24 7	0 19	22 53	1 49	20 3	0 47	21 4	1 0	21 52	0 52	13 15	13 51	3 23			n.a.
T 9	0 41	1s36	3 49	2 3	0 44	1 58	1 7	4 34	1 20	24 7	0 19	22 53	1 49	20 3	0 47	21 4	1 0	21 52	0 52	13 17	13 52	3 25			n.a.
F 10	1 5	6 38	4 36	1 19	0 37	1 26	1 6	4 28	1 17	24 8	0 19	22 53	1 48	20 4	0 47	21 3	1 0	21 53	0 52	13 18	13 53	3 27			n.a.
S 11	1 30	11 12	5 3	0 34	0 31	0 54	1 4	4 21	1 14	24 8	0 19	22 53	1 48	20 4	0 47	21 3	1 0	21 53	0 52	13 21	13 54	3 29			n.a.
S 12	1 55	14 58	5 10	0s11	0 25	0 22	1 3	4 15	1 12	24 8	0 19	22 53	1 48	20 4	0 47	21 3	1 0	21 53	0 52	13 22	13 55	3 31			n.a.
M13	2 19	17 44	4 57	0 55	0 18	0s10	1 1	4 8	1 9	24 9	0 20	22 53	1 48	20 4	0 47	21 3	1 0	21 54	0 52	13 24	13 56	3 33			n.a.
T 14	2 44	19 22	4 27	1 40	0 12	0 42	0 59	4 1	1 6	24 9	0 20	22 53	1 48	20 4	0 47	21 3	1 0	21 54	0 52	13 25	13 57	3 35			n.a.
W15	3 8	19 51	3 43	2 24	0 5	1 14	0 58	3 55	1 4	24 9	0 20	22 53	1 48	20 5	0 47	21 2	1 0	21 54	0 52	13 25	13 58	3 37			n.a.
T 16	3 33	19 15	2 49	3 8	0s 1	1 46	0 56	3 48	1 1	24 9	0 20	22 53	1 48	20 5	0 47	21 2	1 0	21 55	0 52	13 24	13 59	3 40			n.a.
F 17	3 57	17 40	1 48	3 52	0 8	2 19	0 54	3 41	0 58	24 10	0 20	22 53	1 48	20 5	0 47	21 2	1 0	21 55	0 52	13 24	14 0	3 42			n.a.
S 18	4 22	15 17	0 43	4 36	0 14	2 51	0 52	3 35	0 55	24 10	0 21	22 52	1 47	20 5	0 47	21 2	1 0	21 55	0 52	13 24	14 1	3 44			n.a.
S 19	4 46	12 15	0s23	5 19	0 21	3 23	0 50	3 28	0 52	24 10	0 21	22 52	1 47	20 5	0 47	21 1	1 0	21 56	0 52	13 23	14 3	3 46			n.a.
M20	5 10	8 45	1 27	6 2	0 27	3 55	0 48	3 21	0 49	24 10	0 21	22 52	1 47	20 5	0 47	21 1	1 0	21 56	0 53	13 24	14 4	3 48			n.a.
T 21	5 34	4 55	2 26	6 45	0 33	4 26	0 46	3 15	0 47	24 11	0 21	22 52	1 47	20 5	0 46	21 1	1 0	21 56	0 53	13 25	14 5	3 50			n.a.
W22	5 58	0 55	3 19	7 28	0 39	4 58	0 44	3 9	0 44	24 11	0 21	22 52	1 47	20 5	0 46	21 1	1 0	21 57	0 53	13 28	14 6	3 52			n.a.
T 23	6 22	3n 7	4 2	8 10	0 46	5 30	0 42	3 2	0 41	24 11	0 22	22 51	1 47	20 5	0 46	21 1	1 0	21 57	0 53	13 30	14 7	3 54			n.a.
F 24	6 46	7 1	4 35	8 52	0 52	6 1	0 40	2 56	0 38	24 11	0 22	22 51	1 47	20 5	0 46	21 1	1 1	21 58	0 53	13 34	14 8	3 56			n.a.
S 25	7 10	10 40	4 57	9 34	0 58	6 33	0 38	2 50	0 35	24 12	0 22	22 51	1 47	20 5	0 46	21 0	1 1	21 58	0 53	13 38	14 9	3 58			n.a.
S 26	7 34	13 54	5 5	10 15	1 3	7 4	0 36	2 44	0 32	24 12	0 22	22 50	1 47	20 5	0 46	21 0	1 1	21 58	0 53	13 41	14 10	4 1			n.a.
M27	7 57	16 35	5 0	10 55	1 9	7 35	0 34	2 39	0 30	24 12	0 22	22 50	1 46	20 5	0 46	21 0	1 1	21 59	0 53	13 45	14 11	4 3			n.a.
T 28	8 21	18 34	4 41	11 36	1 14	8 6	0 31	2 33	0 27	24 12	0 23	22 50	1 46	20 5	0 46	21 0	1 1	21 59	0 53	13 47	14 12	4 5			n.a.
W29	8 44	19 44	4 9	12 15	1 20	8 36	0 29	2 28	0 24	24 12	0 23	22 49	1 46	20 5	0 46	21 0	1 1	21 59	0 53	13 49	14 13	4 7			n.a.
T 30	9 7	19 57	3 25	12 54	1 25	9 7	0 27	2 23	0 21	24 13	0 23	22 49	1 46	20 5	0 46	21 0	1 1	22 0	0 53	13 50	14 14	4 9			n.a.
F 31	9s30	19n 8	2s29	13s33	1s30	9s37	0n25	2n18	0s19	24n13	0n23	22s48	1s46	20s 5	0s46	21n 0	1n 1	22s 0	0s53	13n50	14n15	4n11			n.a.

Julian Day Number = 1105154.5, Delta T = 10h58m29s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'50, Lahiri = -27°13'49 Julian Calendar 1 Oct. 1688 BCE == Greg. Calendar 17 Sept. 1688 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

NOVEMBER 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 42 29	25♎ 5'09	8♌ 0	2♏52	26♎40	6°R 5	25°R58	27♑25	5♒ 7	2♌21	2♐56	23♌49	22♌30	20♈49	n.a.	S 1
S 2	1 46 25	26° 6'24	21°40	4°27	27°55	5♈48	25♊57	27°27	5° 8	2°22	2°57	23°R50	22°27	20°55	n.a.	S 2
M 3	1 50 22	27° 7'41	5♍48	6° 1	29°11	5°32	25°56	27°29	5° 8	2°22	2°59	23°49	22°24	21° 2	n.a.	M 3
T 4	1 54 18	28° 8'58	20°23	7°36	0♏26	5°16	25°55	27°31	5° 8	2°23	3° 1	23°46	22°21	21° 9	n.a.	T 4
W 5	1 58 15	29°10'16	5♎21	9°11	1°42	5° 1	25°53	27°33	5° 8	2°23	3° 3	23°41	22°17	21°15	n.a.	W 5
T 6	2 2 12	0♏11'34	20°36	10°45	2°57	4°47	25°51	27°36	5° 9	2°24	3° 4	23°33	22°14	21°22	n.a.	T 6
F 7	2 6 8	1°12'53	5♏56	12°20	4°13	4°34	25°49	27°38	5° 9	2°24	3° 6	23°23	22°11	21°29	n.a.	F 7
S 8	2 10 5	2°14'12	21°10	13°55	5°28	4°21	25°47	27°40	5°10	2°25	3° 8	23°12	22° 8	21°35	n.a.	S 8
S 9	2 14 1	3°15'32	6♐ 8	15°29	6°44	4° 9	25°44	27°43	5°10	2°25	3°10	23° 2	22° 5	21°42	n.a.	S 9
M10	2 17 58	4°16'52	20°41	17° 4	8° 0	3°58	25°42	27°46	5°11	2°25	3°11	22°53	22° 2	21°49	n.a.	M10
T 11	2 21 54	5°18'11	4♑44	18°38	9°15	3°48	25°39	27°49	5°11	2°25	3°13	22°47	21°58	21°56	n.a.	T 11
W12	2 25 51	6°19'31	18°16	20°12	10°31	3°39	25°36	27°52	5°12	2°26	3°15	22°43	21°55	22° 2	n.a.	W12
T 13	2 29 48	7°20'51	1♒20	21°45	11°46	3°31	25°33	27°55	5°13	2°26	3°17	22°42	21°52	22° 9	n.a.	T 13
F 14	2 33 44	8°22'10	14° 0	23°18	13° 1	3°23	25°29	27°58	5°13	2°26	3°19	22°D42	21°49	22°16	n.a.	F 14
S 15	2 37 41	9°23'29	26°20	24°51	14°17	3°16	25°26	28° 1	5°14	2°26	3°20	22°R42	21°46	22°22	n.a.	S 15
S 16	2 41 37	10°24'48	8♓25	26°22	15°32	3°10	25°22	28° 4	5°15	2°26	3°22	22°41	21°43	22°29	n.a.	S 16
M17	2 45 34	11°26'06	20°21	27°53	16°48	3° 5	25°18	28° 8	5°16	2°26	3°24	22°38	21°39	22°36	n.a.	M17
T 18	2 49 30	12°27'25	2♈12	29°22	18° 3	3° 1	25°14	28°11	5°17	2°R26	3°26	22°32	21°36	22°42	n.a.	T 18
W19	2 53 27	13°28'43	14° 1	0♐50	19°19	2°57	25°10	28°15	5°18	2°26	3°28	22°23	21°33	22°49	n.a.	W19
T 20	2 57 23	14°30'00	25°52	2°16	20°34	2°55	25° 5	28°19	5°19	2°26	3°30	22°11	21°30	22°56	n.a.	T 20
F 21	3 1 20	15°31'18	7♉46	3°39	21°49	2°53	25° 1	28°22	5°20	2°26	3°32	21°57	21°27	23° 3	n.a.	F 21
S 22	3 5 17	16°32'35	19°45	5° 1	23° 5	2°52	24°56	28°26	5°21	2°26	3°34	21°42	21°23	23° 9	n.a.	S 22
S 23	3 9 13	17°33'52	1♊50	6°19	24°20	2°D51	24°51	28°30	5°23	2°26	3°36	21°27	21°20	23°16	n.a.	S 23
M24	3 13 10	18°35'09	14° 2	7°33	25°36	2°52	24°46	28°34	5°24	2°26	3°38	21°14	21°17	23°23	n.a.	M24
T 25	3 17 6	19°36'26	26°21	8°43	26°51	2°53	24°41	28°38	5°25	2°26	3°40	21° 3	21°14	23°29	n.a.	T 25
W26	3 21 3	20°37'42	8♋50	9°48	28° 6	2°55	24°35	28°43	5°27	2°25	3°41	20°55	21°11	23°36	n.a.	W26
T 27	3 24 59	21°38'59	21°30	10°48	29°21	2°58	24°30	28°47	5°28	2°25	3°43	20°50	21° 8	23°43	n.a.	T 27
F 28	3 28 56	22°40'15	4♌25	11°40	0♐37	3° 1	24°24	28°52	5°30	2°25	3°45	20°47	21° 4	23°50	n.a.	F 28
S 29	3 32 53	23°41'30	17°36	12°26	1°52	3° 5	24°18	28°56	5°31	2°25	3°47	20°47	21° 1	23°56	n.a.	S 29
S 30	3 36 49	24♏42'46	1♍ 8	13♐ 3	3♐ 7	3♈10	24♊12	29♑ 1	5♒33	2♌24	3♐49	20♌47	20♌58	24♈ 3	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s53	17n16	1s24	14s11	1s35	10s 7	0n23	2n13	0s16	24n13	0n23	22s48	1s46	20s 5	0s46	21n 0	1n 1	22s 1	0s53	13n50	14n16	4n13		n.a.
S 2	10 16	14 22	0 12	14 48	1 39	10 37	0 20	2 9	0 13	24 13	0 24	22 47	1 46	20 5	0 46	20 59	1 1	22 1	0 53	13 50	14 17	4 15		n.a.
M 3	10 38	10 32	1n 3	15 24	1 44	11 6	0 18	2 5	0 11	24 13	0 24	22 47	1 46	20 5	0 46	20 59	1 1	22 1	0 54	13 50	14 18	4 17		n.a.
T 4	11 1	5 58	2 17	16 0	1 48	11 36	0 16	2 1	0 8	24 13	0 24	22 46	1 45	20 5	0 46	20 59	1 1	22 2	0 54	13 51	14 19	4 20		n.a.
W 5	11 23	0 55	3 22	16 35	1 52	12 5	0 13	1 57	0 5	24 14	0 24	22 46	1 45	20 5	0 46	20 59	1 1	22 2	0 54	13 53	14 20	4 22		n.a.
T 6	11 45	4s16	4 14	17 9	1 55	12 33	0 11	1 54	0 3	24 14	0 24	22 45	1 45	20 5	0 46	20 59	1 1	22 3	0 54	13 55	14 22	4 24		n.a.
F 7	12 7	9 13	4 49	17 42	1 59	13 2	0 9	1 50	0 0	24 14	0 25	22 44	1 45	20 5	0 46	20 59	1 1	22 3	0 54	13 59	14 23	4 26		n.a.
S 8	12 28	13 32	5 2	18 14	2 1	13 30	0 6	1 48	0n 2	24 14	0 25	22 44	1 45	20 4	0 46	20 59	1 1	22 3	0 54	14 2	14 24	4 28		n.a.
S 9	12 50	16 54	4 55	18 45	2 4	13 57	0 4	1 45	0 4	24 14	0 25	22 43	1 45	20 4	0 46	20 59	1 1	22 4	0 54	14 6	14 25	4 30		n.a.
M10	13 11	19 6	4 28	19 16	2 6	14 25	0 2	1 43	0 7	24 14	0 25	22 42	1 45	20 4	0 46	20 59	1 1	22 4	0 54	14 9	14 26	4 32		n.a.
T 11	13 32	20 3	3 46	19 44	2 8	14 52	0s 1	1 41	0 9	24 14	0 25	22 42	1 45	20 4	0 46	20 59	1 1	22 5	0 54	14 11	14 27	4 34		n.a.
W12	13 53	19 47	2 52	20 12	2 9	15 18	0 3	1 39	0 11	24 14	0 26	22 41	1 44	20 4	0 46	20 59	1 1	22 5	0 54	14 12	14 28	4 36		n.a.
T 13	14 13	18 26	1 51	20 38	2 10	15 44	0 6	1 38	0 14	24 15	0 26	22 40	1 44	20 4	0 46	20 59	1 1	22 6	0 54	14 12	14 29	4 39		n.a.
F 14	14 34	16 12	0 46	21 3	2 11	16 10	0 8	1 37	0 16	24 15	0 26	22 40	1 44	20 3	0 46	20 59	1 2	22 6	0 54	14 12	14 30	4 41		n.a.
S 15	14 54	13 17	0s19	21 26	2 10	16 35	0 10	1 36	0 18	24 15	0 26	22 39	1 44	20 3	0 46	20 59	1 2	22 6	0 54	14 12	14 31	4 43		n.a.
S 16	15 13	9 50	1 22	21 48	2 10	17 0	0 13	1 35	0 20	24 15	0 26	22 38	1 44	20 3	0 46	20 59	1 2	22 7	0 55	14 13	14 32	4 45		n.a.
M17	15 33	6 3	2 21	22 8	2 8	17 25	0 15	1 35	0 22	24 15	0 27	22 37	1 44	20 3	0 45	20 59	1 2	22 7	0 55	14 14	14 33	4 47		n.a.
T 18	15 52	2 3	3 13	22 27	2 6	17 48	0 17	1 35	0 24	24 15	0 27	22 36	1 44	20 2	0 45	20 59	1 2	22 8	0 55	14 16	14 34	4 49		n.a.
W19	16 11	2n 1	3 56	22 43	2 4	18 12	0 20	1 35	0 26	24 15	0 27	22 35	1 44	20 2	0 45	20 59	1 2	22 8	0 55	14 19	14 35	4 51		n.a.
T 20	16 29	6 1	4 29	22 58	2 0	18 35	0 22	1 36	0 28	24 15	0 27	22 35	1 44	20 2	0 45	20 59	1 2	22 9	0 55	14 23	14 36	4 53		n.a.
F 21	16 48	9 47	4 50	23 10	1 56	18 57	0 24	1 37	0 30	24 15	0 28	22 34	1 43	20 1	0 45	20 59	1 2	22 9	0 55	14 27	14 37	4 55		n.a.
S 22	17 6	13 12	4 59	23 21	1 51	19 19	0 27	1 38	0 31	24 15	0 28	22 33	1 43	20 1	0 45	20 59	1 2	22 10	0 55	14 32	14 38	4 58		n.a.
S 23	17 23	16 7	4 55	23 29	1 44	19 41	0 29	1 40	0 33	24 15	0 28	22 32	1 43	20 1	0 45	20 59	1 2	22 10	0 55	14 37	14 39	5 0		n.a.
M24	17 41	18 20	4 36	23 35	1 37	20 1	0 31	1 41	0 35	24 15	0 28	22 31	1 43	20 0	0 45	20 59	1 2	22 11	0 55	14 41	14 40	5 2		n.a.
T 25	17 58	19 45	4 5	23 38	1 29	20 22	0 33	1 44	0 37	24 15	0 28	22 30	1 43	20 0	0 45	21 0	1 2	22 11	0 55	14 45	14 41	5 4		n.a.
W26	18 15	20 14	3 22	23 39	1 20	20 41	0 36	1 46	0 38	24 15	0 29	22 29	1 43	20 0	0 45	21 0	1 2	22 11	0 55	14 48	14 42	5 6		n.a.
T 27	18 31	19 42	2 28	23 37	1 9	21 0	0 38	1 48	0 40	24 15	0 29	22 28	1 43	19 59	0 45	21 0	1 2	22 12	0 55	14 49	14 43	5 8		n.a.
F 28	18 47	18 8	1 25	23 33	0 57	21 19	0 40	1 51	0 41	24 15	0 29	22 27	1 43	19 59	0 45	21 0	1 2	22 12	0 56	14 50	14 44	5 10		n.a.
S 29	19 3	15 35	0 17	23 27	0 45	21 37	0 42	1 54	0 43	24 15	0 29	22 26	1 43	19 58	0 45	21 0	1 2	22 13	0 56	14 50	14 46	5 12		n.a.
S 30	19s18	12n 7	0n54	23s18	0s30	21s54	0s44	1n58	0n44	24n15	0n29	22s25	1s43	19s58	0s45	21n 0	1n 2	22s13	0s56	14n50	14n47	5n14		n.a.

Julian Day Number = 1105185.5, Delta T = 10h58m27s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'46, Lahiri = -27°13'45 Julian Calendar 1 Nov. 1688 BCE == Greg. Calendar 18 Oct. 1688 BCE

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ASTRODIENST EPHEMERIS for the year 1688 BCE
geocentric

DECEMBER 1688 BCE (-1687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 40 46	25♏44'01	15♍ 2	13♐31	4♐23	3♈16	24°R 6	29♉ 5	5♒34	2°R24	3♐51	20°R46	20♌55	24♈10	n.a.	M 1
T 2	3 44 42	26°45'16	29°19	13°48	5°38	3°22	23♊59	29°10	5°36	2♌23	3°53	20♌43	20°52	24°16	n.a.	T 2
W 3	3 48 39	27°46'31	13♎58	13°R55	6°53	3°29	23°53	29°15	5°38	2°23	3°55	20°37	20°48	24°23	n.a.	W 3
T 4	3 52 35	28°47'45	28°55	13°51	8° 8	3°36	23°46	29°20	5°39	2°22	3°57	20°29	20°45	24°30	n.a.	T 4
F 5	3 56 32	29°48'58	14♏ 1	13°35	9°24	3°44	23°40	29°25	5°41	2°22	3°59	20°18	20°42	24°37	n.a.	F 5
S 6	4 0 28	0♐50'11	29° 7	13° 7	10°39	3°53	23°33	29°30	5°43	2°21	4° 1	20° 6	20°39	24°43	n.a.	S 6
S 7	4 4 25	1°51'23	14♐ 2	12°28	11°54	4° 3	23°26	29°35	5°45	2°21	4° 3	19°54	20°36	24°50	n.a.	S 7
M 8	4 8 22	2°52'34	28°37	11°39	13° 9	4°13	23°19	29°40	5°47	2°20	4° 5	19°45	20°33	24°57	n.a.	M 8
T 9	4 12 18	3°53'45	12♑46	10°40	14°24	4°24	23°12	29°46	5°49	2°19	4° 7	19°37	20°29	25° 3	n.a.	T 9
W10	4 16 15	4°54'54	26°26	9°33	15°40	4°35	23° 5	29°51	5°51	2°19	4° 9	19°33	20°26	25°10	n.a.	W10
T 11	4 20 11	5°56'02	9♒38	8°21	16°55	4°47	22°57	29°56	5°53	2°18	4°11	19°30	20°23	25°17	n.a.	T 11
F 12	4 24 8	6°57'08	22°23	7° 6	18°10	4°59	22°50	0♒ 2	5°55	2°17	4°13	19°D30	20°20	25°24	n.a.	F 12
S 13	4 28 4	7°58'13	4♓47	5°49	19°25	5°12	22°43	0° 8	5°57	2°16	4°15	19°R30	20°17	25°30	n.a.	S 13
S 14	4 32 1	8°59'17	16°55	4°34	20°40	5°26	22°35	0°13	5°59	2°16	4°17	19°30	20°14	25°37	n.a.	S 14
M15	4 35 58	10° 0'19	28°51	3°22	21°55	5°40	22°27	0°19	6° 1	2°15	4°19	19°28	20°10	25°44	n.a.	M15
T 16	4 39 54	11° 1'20	10♈42	2°15	23°10	5°54	22°20	0°25	6° 4	2°14	4°21	19°24	20° 7	25°50	n.a.	T 16
W17	4 43 51	12° 2'20	22°31	1°15	24°25	6° 9	22°12	0°31	6° 6	2°13	4°23	19°17	20° 4	25°57	n.a.	W17
T 18	4 47 47	13° 3'18	4♉24	0°22	25°40	6°25	22° 4	0°37	6° 8	2°12	4°25	19° 8	20° 1	26° 4	n.a.	T 18
F 19	4 51 44	14° 4'15	16°22	29♏38	26°55	6°41	21°56	0°43	6°10	2°11	4°27	18°56	19°58	26°10	n.a.	F 19
S 20	4 55 40	15° 5'10	28°28	29° 2	28°10	6°57	21°49	0°49	6°13	2°10	4°29	18°44	19°54	26°17	n.a.	S 20
S 21	4 59 37	16° 6'04	10♊43	28°34	29°25	7°14	21°41	0°55	6°15	2° 9	4°31	18°31	19°51	26°24	n.a.	S 21
M22	5 3 33	17° 6'57	23° 9	28°16	0♑40	7°32	21°33	1° 1	6°18	2° 8	4°33	18°20	19°48	26°31	n.a.	M22
T 23	5 7 30	18° 7'48	5♋44	28° 5	1°55	7°49	21°25	1° 7	6°20	2° 7	4°35	18°11	19°45	26°37	n.a.	T 23
W24	5 11 27	19° 8'38	18°30	28°D 3	3°10	8° 8	21°17	1°13	6°23	2° 6	4°37	18° 4	19°42	26°44	n.a.	W24
T 25	5 15 23	20° 9'27	1♌27	28° 8	4°25	8°26	21° 9	1°20	6°25	2° 5	4°39	18° 0	19°39	26°51	n.a.	T 25
F 26	5 19 20	21°10'15	14°35	28°19	5°39	8°45	21° 1	1°26	6°28	2° 4	4°41	17°D59	19°35	26°57	n.a.	F 26
S 27	5 23 16	22°11'01	27°56	28°38	6°54	9° 5	20°53	1°33	6°31	2° 2	4°43	17°59	19°32	27° 4	n.a.	S 27
S 28	5 27 13	23°11'45	11♍31	29° 2	8° 9	9°24	20°45	1°39	6°33	2° 1	4°45	18° 0	19°29	27°11	n.a.	S 28
M29	5 31 9	24°12'29	25°21	29°32	9°24	9°45	20°37	1°46	6°36	2° 0	4°47	18°R 1	19°26	27°18	n.a.	M29
T 30	5 35 6	25°13'11	9♎27	0♐ 7	10°39	10° 5	20°29	1°52	6°39	1°59	4°49	18° 0	19°23	27°24	n.a.	T 30
W31	5 39 2	26♐13'52	23♎47	0♐46	11♑53	10♈26	20♊21	1♒59	6♒41	1♌58	4♐50	17♌57	19♌20	27♈31	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19s33	7n55	2n 4	23s 6	0s15	22s10	0s46	2n 1	0n46	24n15	0n30	22s24	1s42	19s58	0s45	21n 0	1n 2	22s14	0s56	14n51	14n48	5n17		n.a.
T 2	19 48	3 9	3 8	22 52	0n 1	22 26	0 48	2 5	0 47	24 15	0 30	22 23	1 42	19 57	0 45	21 0	1 2	22 14	0 56	14 51	14 49	5 19		n.a.
W 3	20 2	1s54	4 2	22 35	0 19	22 42	0 50	2 9	0 49	24 15	0 30	22 21	1 42	19 57	0 45	21 1	1 2	22 15	0 56	14 53	14 50	5 21		n.a.
T 4	20 16	6 56	4 40	22 17	0 37	22 56	0 52	2 13	0 50	24 14	0 30	22 20	1 42	19 56	0 45	21 1	1 2	22 15	0 56	14 56	14 51	5 23		n.a.
F 5	20 29	11 36	4 59	21 56	0 56	23 10	0 54	2 18	0 51	24 14	0 30	22 19	1 42	19 56	0 45	21 1	1 2	22 16	0 56	15 0	14 52	5 25		n.a.
S 6	20 43	15 31	4 57	21 33	1 16	23 23	0 56	2 22	0 52	24 14	0 31	22 18	1 42	19 55	0 45	21 1	1 3	22 16	0 56	15 3	14 53	5 27		n.a.
S 7	20 55	18 22	4 35	21 9	1 35	23 36	0 58	2 27	0 54	24 14	0 31	22 17	1 42	19 55	0 45	21 1	1 3	22 17	0 56	15 7	14 54	5 29		n.a.
M 8	21 8	19 58	3 55	20 43	1 54	23 48	1 0	2 33	0 55	24 14	0 31	22 16	1 42	19 54	0 45	21 1	1 3	22 17	0 56	15 10	14 55	5 31		n.a.
T 9	21 19	20 15	3 1	20 17	2 13	23 59	1 2	2 38	0 56	24 14	0 31	22 14	1 42	19 54	0 45	21 2	1 3	22 18	0 56	15 13	14 56	5 33		n.a.
W10	21 31	19 19	1 59	19 50	2 30	24 9	1 3	2 43	0 57	24 13	0 31	22 13	1 42	19 53	0 45	21 2	1 3	22 18	0 57	15 14	14 57	5 36		n.a.
T 11	21 42	17 20	0 52	19 23	2 46	24 19	1 5	2 49	0 58	24 13	0 31	22 12	1 42	19 53	0 45	21 2	1 3	22 18	0 57	15 15	14 58	5 38		n.a.
F 12	21 53	14 33	0s15	18 57	2 59	24 28	1 7	2 55	0 59	24 13	0 32	22 11	1 42	19 52	0 45	21 2	1 3	22 19	0 57	15 15	14 59	5 40		n.a.
S 13	22 3	11 11	1 20	18 33	3 11	24 36	1 8	3 1	1 0	24 13	0 32	22 9	1 41	19 51	0 45	21 3	1 3	22 19	0 57	15 15	15 0	5 42		n.a.
S 14	22 13	7 24	2 20	18 10	3 21	24 43	1 10	3 8	1 1	24 13	0 32	22 8	1 41	19 51	0 45	21 3	1 3	22 20	0 57	15 15	15 1	5 44		n.a.
M15	22 22	3 24	3 13	17 50	3 28	24 50	1 12	3 14	1 2	24 12	0 32	22 7	1 41	19 50	0 45	21 3	1 3	22 20	0 57	15 15	15 2	5 46		n.a.
T 16	22 31	0n41	3 57	17 32	3 32	24 55	1 13	3 21	1 3	24 12	0 32	22 5	1 41	19 50	0 45	21 3	1 3	22 21	0 57	15 17	15 3	5 48		n.a.
W17	22 39	4 45	4 31	17 18	3 35	25 0	1 14	3 28	1 4	24 12	0 32	22 4	1 41	19 49	0 45	21 3	1 3	22 21	0 57	15 19	15 4	5 50		n.a.
T 18	22 47	8 38	4 53	17 7	3 35	25 5	1 16	3 35	1 5	24 11	0 33	22 2	1 41	19 48	0 44	21 4	1 3	22 22	0 57	15 22	15 5	5 52		n.a.
F 19	22 55	12 13	5 2	16 59	3 33	25 8	1 17	3 42	1 6	24 11	0 33	22 1	1 41	19 48	0 44	21 4	1 3	22 22	0 57	15 26	15 6	5 55		n.a.
S 20	23 2	15 21	4 58	16 54	3 30	25 11	1 18	3 50	1 7	24 11	0 33	22 0	1 41	19 47	0 44	21 4	1 3	22 23	0 57	15 30	15 7	5 57		n.a.
S 21	23 9	17 51	4 40	16 53	3 25	25 13	1 20	3 57	1 8	24 10	0 33	21 58	1 41	19 47	0 44	21 5	1 3	22 23	0 58	15 34	15 8	5 59		n.a.
M22	23 15	19 34	4 9	16 55	3 19	25 14	1 21	4 5	1 8	24 10	0 33	21 57	1 41	19 46	0 44	21 5	1 3	22 24	0 58	15 37	15 9	6 1		n.a.
T 23	23 21	20 20	3 25	17 0	3 12	25 14	1 22	4 13	1 9	24 10	0 33	21 55	1 41	19 45	0 44	21 5	1 3	22 24	0 58	15 40	15 10	6 3		n.a.
W24	23 26	20 6	2 31	17 7	3 4	25 14	1 23	4 21	1 10	24 9	0 34	21 54	1 41	19 45	0 44	21 5	1 3	22 24	0 58	15 42	15 11	6 5		n.a.
T 25	23 31	18 48	1 27	17 16	2 55	25 13	1 24	4 29	1 11	24 9	0 34	21 52	1 41	19 44	0 44	21 6	1 3	22 25	0 58	15 43	15 12	6 7		n.a.
F 26	23 35	16 28	0 18	17 28	2 46	25 11	1 25	4 37	1 11	24 9	0 34	21 51	1 41	19 43	0 44	21 6	1 3	22 25	0 58	15 44	15 13	6 9		n.a.
S 27	23 39	13 15	0n53	17 41	2 36	25 8	1 26	4 46	1 12	24 8	0 34	21 49	1 41	19 43	0 44	21 6	1 3	22 26	0 58	15 44	15 14	6 11		n.a.
S 28	23 43	9 16	2 3	17 56	2 26	25 4	1 26	4 54	1 13	24 8	0 34	21 48	1 41	19 42	0 44	21 7	1 3	22 26	0 58	15 43	15 15	6 14		n.a.
M29	23 46	4 43	3 7	18 13	2 16	25 0	1 27	5 3	1 13	24 7	0 34	21 46	1 41	19 41	0 44	21 7	1 3	22 27	0 58	15 43	15 16	6 16		n.a.
T 30	23 48	0s 8	4 0	18 30	2 6	24 55	1 28	5 12	1 14	24 7	0 34	21 45	1 41	19 40	0 44	21 7	1 3	22 27	0 58	15 43	15 17	6 18		n.a.
W31	23s50	5s 4	4n40	18s49	1n56	24s49	1s28	5n21	1n15	24n 6	0n35	21s43	1s40	19s40	0s44	21n 8	1n 3	22s28	0s59	15n44	15n18	6n20		n.a.

Julian Day Number = 1105215.5, Delta T = 10h58m25s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'41, Lahiri = -27°13'41 Julian Calendar 1 Dec. 1688 BCE == Greg. Calendar 17 Nov. 1688 BCE

The year -1687 astronomical counting style corresponds to year 1688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

JANUARY 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 42 59	27♐14'32	8♏20	1♐30	13♑ 8	10♈47	20°R13	2♒ 6	6♒44	1°R56	4♐52	17°R51	19♌16	27♈38	n.a.	T 1
F 2	5 46 56	28°15'10	23° 0	2°17	14°23	11° 9	20♊ 5	2°12	6°47	1♌55	4°54	17♌44	19°13	27°44	n.a.	F 2
S 3	5 50 52	29°15'47	7♐40	3° 8	15°38	11°31	19°58	2°19	6°50	1°54	4°56	17°36	19°10	27°51	n.a.	S 3
S 4	5 54 49	0♑16'22	22°14	4° 2	16°52	11°53	19°50	2°26	6°53	1°52	4°58	17°29	19° 7	27°58	n.a.	S 4
M 5	5 58 45	1°16'55	6♑34	5° 0	18° 7	12°15	19°42	2°33	6°56	1°51	5° 0	17°22	19° 4	28° 5	n.a.	M 5
T 6	6 2 42	2°17'27	20°35	6° 0	19°22	12°38	19°34	2°40	6°59	1°50	5° 2	17°17	19° 0	28°11	n.a.	T 6
W 7	6 6 38	3°17'57	4♒12	7° 3	20°36	13° 1	19°27	2°47	7° 2	1°48	5° 3	17°14	18°57	28°18	n.a.	W 7
T 8	6 10 35	4°18'24	17°24	8° 8	21°51	13°25	19°19	2°54	7° 5	1°47	5° 5	17°D13	18°54	28°25	n.a.	T 8
F 9	6 14 32	5°18'50	0♓13	9°15	23° 5	13°49	19°12	3° 1	7° 8	1°45	5° 7	17°14	18°51	28°32	n.a.	F 9
S 10	6 18 28	6°19'14	12°41	10°24	24°20	14°13	19° 4	3° 8	7°11	1°44	5° 9	17°15	18°48	28°38	n.a.	S 10
S 11	6 22 25	7°19'35	24°53	11°36	25°34	14°37	18°57	3°15	7°14	1°42	5°10	17°17	18°45	28°45	n.a.	S 11
M12	6 26 21	8°19'54	6♈52	12°49	26°49	15° 2	18°50	3°22	7°17	1°41	5°12	17°R17	18°41	28°52	n.a.	M12
T 13	6 30 18	9°20'11	18°46	14° 4	28° 3	15°26	18°43	3°29	7°20	1°40	5°14	17°17	18°38	28°58	n.a.	T 13
W14	6 34 14	10°20'26	0♉37	15°20	29°18	15°51	18°36	3°37	7°23	1°38	5°16	17°15	18°35	29° 5	n.a.	W14
T 15	6 38 11	11°20'38	12°31	16°38	0♒32	16°17	18°29	3°44	7°26	1°36	5°17	17°11	18°32	29°12	n.a.	T 15
F 16	6 42 7	12°20'49	24°32	17°58	1°46	16°42	18°22	3°51	7°29	1°35	5°19	17° 6	18°29	29°19	n.a.	F 16
S 17	6 46 4	13°20'57	6♊44	19°19	3° 1	17° 8	18°16	3°58	7°32	1°33	5°21	17° 0	18°26	29°25	n.a.	S 17
S 18	6 50 0	14°21'03	19° 8	20°41	4°15	17°34	18° 9	4° 6	7°36	1°32	5°22	16°54	18°22	29°32	n.a.	S 18
M19	6 53 57	15°21'07	1♋46	22° 5	5°29	18° 0	18° 3	4°13	7°39	1°30	5°24	16°48	18°19	29°39	n.a.	M19
T 20	6 57 54	16°21'09	14°39	23°30	6°43	18°27	17°56	4°20	7°42	1°29	5°26	16°44	18°16	29°45	n.a.	T 20
W21	7 1 50	17°21'09	27°46	24°57	7°58	18°54	17°50	4°28	7°45	1°27	5°27	16°41	18°13	29°52	n.a.	W21
T 22	7 5 47	18°21'06	11♌ 6	26°24	9°12	19°20	17°44	4°35	7°48	1°26	5°29	16°D40	18°10	29°59	n.a.	T 22
F 23	7 9 43	19°21'02	24°39	27°53	10°26	19°47	17°38	4°43	7°52	1°24	5°30	16°40	18° 6	0♉ 6	n.a.	F 23
S 24	7 13 40	20°20'56	8♍22	29°23	11°40	20°15	17°33	4°50	7°55	1°22	5°32	16°41	18° 3	0°12	n.a.	S 24
S 25	7 17 36	21°20'48	22°14	0♑54	12°54	20°42	17°27	4°58	7°58	1°21	5°33	16°43	18° 0	0°19	n.a.	S 25
M26	7 21 33	22°20'37	6♎15	2°27	14° 8	21°10	17°22	5° 5	8° 2	1°19	5°35	16°44	17°57	0°26	n.a.	M26
T 27	7 25 29	23°20'26	20°22	4° 0	15°22	21°38	17°16	5°13	8° 5	1°17	5°36	16°R45	17°54	0°32	n.a.	T 27
W28	7 29 26	24°20'12	4♏34	5°35	16°36	22° 6	17°11	5°20	8° 8	1°16	5°38	16°44	17°51	0°39	n.a.	W28
T 29	7 33 23	25°19'56	18°49	7°11	17°50	22°34	17° 6	5°28	8°12	1°14	5°39	16°43	17°47	0°46	n.a.	T 29
F 30	7 37 19	26°19'39	3♐ 4	8°48	19° 4	23° 2	17° 1	5°35	8°15	1°12	5°41	16°41	17°44	0°53	n.a.	F 30
S 31	7 41 16	27♑19'20	17♐16	10♑27	20♒18	23♈31	16♊57	5♒43	8♒18	1♌11	5♐42	16♌38	17♌41	0♉59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23 s52	9 s47	5n 3	19 s 8	1n45	24 s42	1 s29	5n30	1n15	24n 6	0n35	21 s42	1 s40	19 s39	0 s44	21n 8	1n 4	22 s28	0 s59	15n46	15n19	6n22			n.a.
F 2	23 53	13 57	5 5	19 28	1 35	24 35	1 30	5 39	1 16	24 5	0 35	21 40	1 40	19 38	0 44	21 8	1 4	22 29	0 59	15 48	15 20	6 24			n.a.
S 3	23 53	17 15	4 48	19 48	1 24	24 27	1 30	5 48	1 16	24 5	0 35	21 38	1 40	19 37	0 44	21 9	1 4	22 29	0 59	15 51	15 21	6 26			n.a.
S 4	23 53	19 27	4 13	20 8	1 14	24 18	1 30	5 58	1 17	24 4	0 35	21 37	1 40	19 37	0 44	21 9	1 4	22 29	0 59	15 53	15 22	6 28			n.a.
M 5	23 53	20 22	3 21	20 29	1 4	24 8	1 31	6 7	1 17	24 4	0 35	21 35	1 40	19 36	0 44	21 9	1 4	22 30	0 59	15 55	15 23	6 30			n.a.
T 6	23 52	19 59	2 19	20 50	0 54	23 58	1 31	6 17	1 18	24 4	0 35	21 33	1 40	19 35	0 44	21 10	1 4	22 30	0 59	15 57	15 24	6 33			n.a.
W 7	23 51	18 26	1 10	21 10	0 44	23 46	1 31	6 26	1 18	24 3	0 36	21 32	1 40	19 34	0 44	21 10	1 4	22 31	0 59	15 58	15 25	6 35			n.a.
T 8	23 49	15 56	0 s 1	21 30	0 35	23 35	1 31	6 36	1 19	24 3	0 36	21 30	1 40	19 34	0 44	21 10	1 4	22 31	0 59	15 58	15 26	6 37			n.a.
F 9	23 47	12 42	1 10	21 50	0 25	23 22	1 31	6 46	1 19	24 2	0 36	21 28	1 40	19 33	0 44	21 11	1 4	22 32	0 59	15 58	15 27	6 39			n.a.
S 10	23 44	8 59	2 14	22 10	0 16	23 9	1 31	6 56	1 20	24 2	0 36	21 27	1 40	19 32	0 44	21 11	1 4	22 32	1 0	15 57	15 28	6 41			n.a.
S 11	23 41	4 58	3 10	22 29	0 7	22 55	1 31	7 6	1 20	24 1	0 36	21 25	1 40	19 31	0 44	21 11	1 4	22 32	1 0	15 57	15 29	6 43			n.a.
M12	23 37	0 50	3 57	22 48	0 s 2	22 40	1 31	7 16	1 21	24 0	0 36	21 23	1 40	19 30	0 44	21 12	1 4	22 33	1 0	15 57	15 30	6 45			n.a.
T 13	23 33	3n17	4 34	23 6	0 11	22 25	1 30	7 26	1 21	24 0	0 36	21 22	1 40	19 30	0 44	21 12	1 4	22 33	1 0	15 57	15 31	6 47			n.a.
W14	23 29	7 15	4 58	23 23	0 19	22 9	1 30	7 36	1 22	23 59	0 36	21 20	1 40	19 29	0 44	21 12	1 4	22 34	1 0	15 57	15 32	6 49			n.a.
T 15	23 24	10 58	5 10	23 39	0 27	21 52	1 30	7 46	1 22	23 59	0 36	21 18	1 40	19 28	0 44	21 13	1 4	22 34	1 0	15 59	15 33	6 52			n.a.
F 16	23 18	14 17	5 8	23 55	0 35	21 35	1 29	7 57	1 22	23 58	0 36	21 16	1 40	19 27	0 44	21 13	1 4	22 35	1 0	16 0	15 34	6 54			n.a.
S 17	23 12	17 2	4 53	24 9	0 43	21 17	1 29	8 7	1 23	23 58	0 37	21 15	1 40	19 26	0 44	21 14	1 4	22 35	1 0	16 2	15 35	6 56			n.a.
S 18	23 6	19 3	4 24	24 23	0 50	20 59	1 28	8 18	1 23	23 57	0 37	21 13	1 40	19 25	0 44	21 14	1 4	22 35	1 0	16 4	15 36	6 58			n.a.
M19	22 59	20 12	3 41	24 36	0 57	20 40	1 28	8 28	1 23	23 57	0 37	21 11	1 40	19 24	0 44	21 14	1 4	22 36	1 0	16 6	15 37	7 0			n.a.
T 20	22 52	20 19	2 46	24 47	1 4	20 20	1 27	8 39	1 24	23 56	0 37	21 9	1 40	19 24	0 44	21 15	1 4	22 36	1 1	16 7	15 38	7 2			n.a.
W21	22 44	19 20	1 42	24 57	1 10	20 0	1 26	8 49	1 24	23 56	0 37	21 7	1 40	19 23	0 44	21 15	1 4	22 37	1 1	16 8	15 39	7 4			n.a.
T 22	22 36	17 17	0 30	25 6	1 16	19 39	1 25	9 0	1 24	23 55	0 37	21 6	1 40	19 22	0 44	21 15	1 4	22 37	1 1	16 8	15 40	7 6			n.a.
F 23	22 28	14 14	0n44	25 14	1 22	19 18	1 24	9 11	1 25	23 55	0 37	21 4	1 40	19 21	0 44	21 16	1 4	22 37	1 1	16 8	15 41	7 8			n.a.
S 24	22 19	10 23	1 56	25 21	1 27	18 56	1 23	9 22	1 25	23 54	0 37	21 2	1 40	19 20	0 44	21 16	1 4	22 38	1 1	16 8	15 42	7 11			n.a.
S 25	22 10	5 56	3 3	25 26	1 33	18 34	1 22	9 33	1 25	23 54	0 37	21 0	1 40	19 19	0 44	21 17	1 4	22 38	1 1	16 7	15 43	7 13			n.a.
M26	22 0	1 8	4 0	25 29	1 37	18 11	1 21	9 43	1 25	23 54	0 37	20 58	1 40	19 18	0 44	21 17	1 4	22 39	1 1	16 7	15 44	7 15			n.a.
T 27	21 50	3 s45	4 42	25 31	1 42	17 48	1 20	9 54	1 26	23 53	0 37	20 56	1 40	19 18	0 44	21 17	1 4	22 39	1 1	16 7	15 45	7 17			n.a.
W28	21 39	8 28	5 8	25 32	1 46	17 24	1 19	10 5	1 26	23 53	0 37	20 55	1 40	19 17	0 44	21 18	1 4	22 39	1 1	16 7	15 46	7 19			n.a.
T 29	21 28	12 43	5 14	25 31	1 50	17 0	1 17	10 16	1 26	23 52	0 37	20 53	1 40	19 16	0 44	21 18	1 4	22 40	1 2	16 7	15 47	7 21			n.a.
F 30	21 17	16 14	5 2	25 28	1 53	16 35	1 16	10 27	1 26	23 52	0 37	20 51	1 40	19 15	0 44	21 19	1 4	22 40	1 2	16 8	15 48	7 23			n.a.
S 31	21 s 5	18 s46	4n31	25 s24	1 s56	16 s10	1 s14	10n38	1n27	23n51	0n38	20 s49	1 s40	19 s14	0 s44	21n19	1n 4	22 s40	1 s 2	16n 9	15n49	7n25			n.a.

Julian Day Number = 1105246.5, Delta T = 10h58m24s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'37, Lahiri = -27°13'37 Julian Calendar 1 Jan. 1687 BCE == Greg. Calendar 18 Dec. 1688 BCE

The year -1686 astronomical counting style corresponds to year 1687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

FEBRUARY 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 45 12	28♉18'59	1♉20	12♉ 6	21♒32	24♈ 0	16°R52	5♒50	8♒22	1°R 9	5♐43	16°R36	17♌38	1♋ 6	n.a.	S 1
M 2	7 49 9	29°18'35	15°13	13°47	22°45	24°28	16♊48	5°58	8°25	1♌ 8	5°45	16♌33	17°35	1°13	n.a.	M 2
T 3	7 53 5	0♒18'10	28°51	15°29	23°59	24°57	16°44	6° 6	8°28	1° 6	5°46	16°32	17°32	1°19	n.a.	T 3
W 4	7 57 2	1°17'43	12♒12	17°12	25°13	25°27	16°40	6°13	8°32	1° 4	5°47	16°D31	17°28	1°26	n.a.	W 4
T 5	8 0 58	2°17'13	25°15	18°57	26°26	25°56	16°36	6°21	8°35	1° 3	5°49	16°31	17°25	1°33	n.a.	T 5
F 6	8 4 55	3°16'40	7♓59	20°43	27°40	26°25	16°32	6°29	8°39	1° 1	5°50	16°32	17°22	1°40	n.a.	F 6
S 7	8 8 51	4°16'06	20°26	22°30	28°54	26°55	16°29	6°36	8°42	0°59	5°51	16°33	17°19	1°46	n.a.	S 7
S 8	8 12 48	5°15'29	2♈39	24°18	0♓ 7	27°25	16°26	6°44	8°45	0°58	5°52	16°34	17°16	1°53	n.a.	S 8
M 9	8 16 45	6°14'49	14°41	26° 7	1°21	27°55	16°23	6°51	8°49	0°56	5°53	16°35	17°12	2° 0	n.a.	M 9
T 10	8 20 41	7°14'07	26°36	27°58	2°34	28°25	16°20	6°59	8°52	0°54	5°55	16°36	17° 9	2° 6	n.a.	T 10
W11	8 24 38	8°13'23	8♉28	29°50	3°48	28°55	16°17	7° 7	8°56	0°53	5°56	16°R36	17° 6	2°13	n.a.	W11
T 12	8 28 34	9°12'36	20°23	1♒44	5° 1	29°25	16°14	7°14	8°59	0°51	5°57	16°36	17° 3	2°20	n.a.	T 12
F 13	8 32 31	10°11'47	2♊25	3°39	6°14	29°56	16°12	7°22	9° 2	0°49	5°58	16°35	17° 0	2°27	n.a.	F 13
S 14	8 36 27	11°10'55	14°38	5°35	7°28	0♉26	16°10	7°30	9° 6	0°48	5°59	16°35	16°57	2°33	n.a.	S 14
S 15	8 40 24	12°10'01	27° 6	7°32	8°41	0°57	16° 8	7°37	9° 9	0°46	6° 0	16°34	16°53	2°40	n.a.	S 15
M16	8 44 20	13° 9'04	9♋52	9°30	9°54	1°28	16° 6	7°45	9°13	0°44	6° 1	16°34	16°50	2°47	n.a.	M16
T 17	8 48 17	14° 8'06	22°58	11°30	11° 7	1°59	16° 5	7°52	9°16	0°43	6° 2	16°33	16°47	2°54	n.a.	T 17
W18	8 52 14	15° 7'04	6♌22	13°31	12°20	2°30	16° 3	8° 0	9°19	0°41	6° 3	16°33	16°44	3° 0	n.a.	W18
T 19	8 56 10	16° 6'01	20° 6	15°32	13°33	3° 1	16° 2	8° 8	9°23	0°40	6° 4	16°33	16°41	3° 7	n.a.	T 19
F 20	9 0 7	17° 4'55	4♍ 5	17°35	14°46	3°32	16° 1	8°15	9°26	0°38	6° 5	16°33	16°37	3°14	n.a.	F 20
S 21	9 4 3	18° 3'48	18°16	19°38	15°59	4° 4	16° 0	8°23	9°30	0°37	6° 6	16°33	16°34	3°20	n.a.	S 21
S 22	9 8 0	19° 2'38	2♎36	21°43	17°12	4°35	16° 0	8°30	9°33	0°35	6° 6	16°33	16°31	3°27	n.a.	S 22
M23	9 11 56	20° 1'26	16°59	23°47	18°25	5° 7	15°59	8°38	9°36	0°33	6° 7	16°33	16°28	3°34	n.a.	M23
T 24	9 15 53	21° 0'12	1♏21	25°52	19°37	5°38	15°59	8°45	9°40	0°32	6° 8	16°32	16°25	3°41	n.a.	T 24
W25	9 19 49	21°58'57	15°38	27°57	20°50	6°10	15°D59	8°53	9°43	0°30	6° 9	16°D32	16°22	3°47	n.a.	W25
T 26	9 23 46	22°57'40	29°48	0♓ 1	22° 3	6°42	15°59	9° 0	9°46	0°29	6° 9	16°32	16°18	3°54	n.a.	T 26
F 27	9 27 42	23°56'21	13♐49	2° 5	23°15	7°14	15°59	9° 8	9°50	0°27	6°10	16°32	16°15	4° 1	n.a.	F 27
S 28	9 31 39	24♒55'00	27♐38	4♓ 8	24♓28	7♋46	16♊ 0	9♒15	9♒53	0♌26	6♐11	16♌33	16♌12	4♋ 7	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s53	20s 9	3n44	25s17	1s58	15s44	1s13	10n49	1n27	23n51	0n38	20s47	1s40	19s13	0s44	21n19	1n 4	22s41	1s 2	16n 9	15n50	7n27		n.a.
M 2	20 41	20 17	2 44	25 9	2 1	15 18	1 11	11 0	1 27	23 51	0 38	20 45	1 40	19 12	0 44	21 20	1 4	22 41	1 2	16 10	15 51	7 29		n.a.
T 3	20 28	19 13	1 36	25 0	2 2	14 52	1 10	11 11	1 27	23 50	0 38	20 43	1 41	19 11	0 44	21 20	1 4	22 41	1 2	16 11	15 52	7 32		n.a.
W 4	20 15	17 5	0 24	24 48	2 4	14 25	1 8	11 22	1 27	23 50	0 38	20 41	1 41	19 10	0 44	21 20	1 4	22 42	1 2	16 11	15 53	7 34		n.a.
T 5	20 1	14 6	0s48	24 34	2 4	13 58	1 6	11 33	1 28	23 50	0 38	20 39	1 41	19 9	0 44	21 21	1 4	22 42	1 2	16 11	15 54	7 36		n.a.
F 6	19 47	10 31	1 56	24 19	2 5	13 31	1 4	11 45	1 28	23 49	0 38	20 38	1 41	19 8	0 44	21 21	1 4	22 42	1 2	16 11	15 55	7 38		n.a.
S 7	19 33	6 33	2 57	24 1	2 5	13 3	1 2	11 56	1 28	23 49	0 38	20 36	1 41	19 8	0 44	21 22	1 4	22 43	1 3	16 10	15 56	7 40		n.a.
S 8	19 19	2 25	3 48	23 42	2 4	12 35	1 0	12 7	1 28	23 49	0 38	20 34	1 41	19 7	0 44	21 22	1 4	22 43	1 3	16 10	15 57	7 42		n.a.
M 9	19 4	1n46	4 29	23 20	2 3	12 6	0 58	12 18	1 28	23 48	0 38	20 32	1 41	19 6	0 44	21 22	1 4	22 43	1 3	16 10	15 58	7 44		n.a.
T 10	18 49	5 50	4 58	22 56	2 1	11 37	0 56	12 29	1 28	23 48	0 38	20 30	1 41	19 5	0 44	21 23	1 4	22 44	1 3	16 9	15 59	7 46		n.a.
W11	18 33	9 39	5 14	22 30	1 59	11 8	0 54	12 40	1 29	23 48	0 38	20 28	1 41	19 4	0 44	21 23	1 4	22 44	1 3	16 9	16 0	7 48		n.a.
T 12	18 17	13 6	5 16	22 2	1 57	10 39	0 52	12 51	1 29	23 48	0 38	20 26	1 41	19 3	0 44	21 23	1 4	22 44	1 3	16 9	16 1	7 51		n.a.
F 13	18 1	16 3	5 5	21 32	1 53	10 10	0 50	13 2	1 29	23 47	0 38	20 24	1 41	19 2	0 44	21 24	1 4	22 45	1 3	16 10	16 2	7 53		n.a.
S 14	17 45	18 21	4 40	21 0	1 50	9 40	0 47	13 14	1 29	23 47	0 38	20 22	1 41	19 1	0 44	21 24	1 4	22 45	1 3	16 10	16 3	7 55		n.a.
S 15	17 28	19 50	4 1	20 26	1 45	9 10	0 45	13 25	1 29	23 47	0 38	20 20	1 41	19 0	0 44	21 25	1 4	22 45	1 4	16 10	16 4	7 57		n.a.
M16	17 11	20 22	3 10	19 49	1 40	8 40	0 43	13 36	1 29	23 47	0 38	20 18	1 41	18 59	0 44	21 25	1 4	22 46	1 4	16 10	16 5	7 59		n.a.
T 17	16 54	19 48	2 7	19 10	1 35	8 9	0 40	13 47	1 29	23 47	0 38	20 16	1 41	18 58	0 44	21 25	1 4	22 46	1 4	16 10	16 6	8 1		n.a.
W18	16 36	18 7	0 56	18 30	1 29	7 38	0 38	13 58	1 29	23 47	0 38	20 14	1 41	18 57	0 44	21 26	1 4	22 46	1 4	16 10	16 7	8 3		n.a.
T 19	16 18	15 22	0n20	17 47	1 22	7 8	0 35	14 9	1 30	23 46	0 38	20 12	1 41	18 57	0 44	21 26	1 4	22 46	1 4	16 10	16 8	8 5		n.a.
F 20	16 0	11 41	1 36	17 2	1 15	6 37	0 33	14 20	1 30	23 46	0 38	20 10	1 42	18 56	0 44	21 26	1 4	22 47	1 4	16 10	16 9	8 7		n.a.
S 21	15 42	7 16	2 47	16 16	1 7	6 5	0 30	14 31	1 30	23 46	0 38	20 9	1 42	18 55	0 44	21 27	1 4	22 47	1 4	16 10	16 10	8 9		n.a.
S 22	15 24	2 26	3 49	15 28	0 59	5 34	0 28	14 42	1 30	23 46	0 38	20 7	1 42	18 54	0 44	21 27	1 4	22 47	1 4	16 10	16 11	8 12		n.a.
M23	15 5	2s33	4 36	14 38	0 50	5 3	0 25	14 53	1 30	23 46	0 38	20 5	1 42	18 53	0 44	21 27	1 4	22 48	1 5	16 10	16 12	8 14		n.a.
T 24	14 46	7 23	5 6	13 46	0 41	4 31	0 22	15 4	1 30	23 46	0 38	20 3	1 42	18 52	0 44	21 28	1 4	22 48	1 5	16 11	16 13	8 16		n.a.
W25	14 27	11 47	5 17	12 54	0 31	4 0	0 19	15 14	1 30	23 46	0 38	20 1	1 42	18 51	0 44	21 28	1 4	22 48	1 5	16 11	16 14	8 18		n.a.
T 26	14 7	15 28	5 9	12 0	0 21	3 28	0 17	15 25	1 30	23 46	0 38	19 59	1 42	18 50	0 44	21 28	1 4	22 48	1 5	16 11	16 15	8 20		n.a.
F 27	13 47	18 13	4 42	11 5	0 10	2 56	0 14	15 36	1 30	23 46	0 38	19 57	1 42	18 49	0 44	21 29	1 4	22 49	1 5	16 10	16 16	8 22		n.a.
S 28	13s28	19s53	3n59	10s 9	0n 1	2s24	0s11	15n47	1n30	23n46	0n38	19s55	1s42	18s48	0s44	21n29	1n 4	22s49	1s 5	16n10	16n17	8n24		n.a.

Julian Day Number = 1105277.5, Delta T = 10h58m22s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'33, Lahiri = -27°13'33 Julian Calendar 1 Feb. 1687 BCE == Greg. Calendar 18 Jan. 1687 BCE

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

MARCH 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 35 36	25♒53'37	11♉16	6♓10	25♓40	8♉18	16♊ 0	9♒23	9♒56	0°R24	6♐12	16♌34	16♌ 9	4♉14	n.a.	S 1
M 2	9 39 32	26°52'13	24°41	8°11	26°53	8°50	16° 1	9°30	10° 0	0♌23	6°12	16°35	16° 6	4°21	n.a.	M 2
T 3	9 43 29	27°50'46	7♒53	10° 9	28° 5	9°23	16° 2	9°38	10° 3	0°22	6°13	16°35	16° 3	4°28	n.a.	T 3
W 4	9 47 25	28°49'18	20°52	12° 5	29°17	9°55	16° 3	9°45	10° 6	0°20	6°13	16°R35	15°59	4°34	n.a.	W 4
T 5	9 51 22	29°47'47	3♓37	13°59	0♈30	10°28	16° 5	9°52	10°10	0°19	6°14	16°35	15°56	4°41	n.a.	T 5
F 6	9 55 18	0♓46'14	16° 9	15°50	1°42	11° 0	16° 6	10° 0	10°13	0°17	6°14	16°33	15°53	4°48	n.a.	F 6
S 7	9 59 15	1°44'40	28°29	17°37	2°54	11°33	16° 8	10° 7	10°16	0°16	6°15	16°32	15°50	4°55	n.a.	S 7
S 8	10 3 11	2°43'03	10♈38	19°22	4° 6	12° 6	16°10	10°14	10°19	0°15	6°15	16°29	15°47	5° 1	n.a.	S 8
M 9	10 7 8	3°41'24	22°38	21° 2	5°18	12°39	16°12	10°22	10°23	0°13	6°16	16°27	15°43	5° 8	n.a.	M 9
T 10	10 11 4	4°39'42	4♉33	22°39	6°30	13°11	16°15	10°29	10°26	0°12	6°16	16°24	15°40	5°15	n.a.	T 10
W11	10 15 1	5°37'59	16°25	24°11	7°42	13°44	16°17	10°36	10°29	0°11	6°16	16°22	15°37	5°21	n.a.	W11
T 12	10 18 57	6°36'13	28°19	25°39	8°53	14°18	16°20	10°43	10°32	0° 9	6°17	16°21	15°34	5°28	n.a.	T 12
F 13	10 22 54	7°34'26	10♊20	27° 3	10° 5	14°51	16°23	10°50	10°35	0° 8	6°17	16°D21	15°31	5°35	n.a.	F 13
S 14	10 26 51	8°32'36	22°32	28°22	11°17	15°24	16°26	10°57	10°38	0° 7	6°17	16°21	15°28	5°42	n.a.	S 14
S 15	10 30 47	9°30'44	4♋59	29°37	12°28	15°57	16°29	11° 4	10°41	0° 6	6°18	16°23	15°24	5°48	n.a.	S 15
M16	10 34 44	10°28'50	17°45	0♈46	13°40	16°31	16°32	11°11	10°44	0° 5	6°18	16°24	15°21	5°55	n.a.	M16
T 17	10 38 40	11°26'54	0♌55	1°51	14°51	17° 4	16°36	11°18	10°47	0° 3	6°18	16°26	15°18	6° 2	n.a.	T 17
W18	10 42 37	12°24'55	14°29	2°51	16° 3	17°37	16°40	11°25	10°51	0° 2	6°18	16°R26	15°15	6° 8	n.a.	W18
T 19	10 46 33	13°22'55	28°27	3°46	17°14	18°11	16°44	11°32	10°54	0° 1	6°18	16°26	15°12	6°15	n.a.	T 19
F 20	10 50 30	14°20'53	12♍47	4°36	18°25	18°45	16°48	11°39	10°57	0° 0	6°18	16°24	15° 9	6°22	n.a.	F 20
S 21	10 54 26	15°18'49	27°24	5°20	19°36	19°18	16°52	11°46	10°59	29♋59	6°18	16°21	15° 5	6°29	n.a.	S 21
S 22	10 58 23	16°16'43	12♎12	6° 0	20°47	19°52	16°56	11°53	11° 2	29°58	6°18	16°17	15° 2	6°35	n.a.	S 22
M23	11 2 20	17°14'36	27° 1	6°34	21°58	20°26	17° 1	12° 0	11° 5	29°57	6°R18	16°13	14°59	6°42	n.a.	M23
T 24	11 6 16	18°12'27	11♏46	7° 3	23° 9	21° 0	17° 6	12° 6	11° 8	29°56	6°18	16° 9	14°56	6°49	n.a.	T 24
W25	11 10 13	19°10'17	26°18	7°27	24°20	21°34	17°10	12°13	11°11	29°55	6°18	16° 6	14°53	6°56	n.a.	W25
T 26	11 14 9	20° 8'05	10♐35	7°45	25°31	22° 8	17°15	12°19	11°14	29°54	6°18	16° 4	14°49	7° 2	n.a.	T 26
F 27	11 18 6	21° 5'53	24°33	7°58	26°41	22°42	17°21	12°26	11°17	29°53	6°18	16°D 4	14°46	7° 9	n.a.	F 27
S 28	11 22 2	22° 3'39	8♑12	8° 6	27°52	23°16	17°26	12°33	11°19	29°52	6°18	16° 5	14°43	7°16	n.a.	S 28
S 29	11 25 59	23° 1'23	21°34	8°R 9	29° 2	23°50	17°31	12°39	11°22	29°51	6°18	16° 6	14°40	7°22	n.a.	S 29
M30	11 29 55	23°59'07	4♒38	8° 7	0♉13	24°24	17°37	12°45	11°25	29°51	6°18	16° 7	14°37	7°29	n.a.	M30
T 31	11 33 52	24♓56'49	17♒29	8♈ 0	1♉23	24♉58	17♊43	12♒52	11♒28	29♋50	6♐18	16°R 8	14♌34	7♉36	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	13s 7	20s21	3n 3	9s14	0n12	1s52	0s 8	15n57	1n30	23n46	0n38	19s53	1s42	18s47	0s44	21n29	1n 4	22s49	1s 5	16n10	16n18	8n26			n.a.
M 2	12 47	19 39	1 58	8 17	0 24	1 20	0 5	16 8	1 30	23 47	0 38	19 51	1 42	18 47	0 44	21 30	1 4	22 49	1 5	16 10	16 19	8 28			n.a.
T 3	12 27	17 52	0 48	7 21	0 36	0 48	0 2	16 19	1 30	23 47	0 38	19 49	1 43	18 46	0 44	21 30	1 4	22 49	1 5	16 10	16 20	8 30			n.a.
W 4	12 6	15 11	0s24	6 26	0 47	0 16	0n 1	16 29	1 30	23 47	0 38	19 47	1 43	18 45	0 44	21 30	1 4	22 50	1 6	16 10	16 21	8 32			n.a.
T 5	11 45	11 48	1 33	5 31	0 59	0n16	0 4	16 40	1 30	23 47	0 38	19 45	1 43	18 44	0 44	21 31	1 4	22 50	1 6	16 10	16 21	8 35			n.a.
F 6	11 24	7 57	2 36	4 37	1 10	0 48	0 7	16 50	1 30	23 47	0 38	19 43	1 43	18 43	0 44	21 31	1 4	22 50	1 6	16 10	16 22	8 37			n.a.
S 7	11 3	3 50	3 31	3 44	1 22	1 20	0 10	17 1	1 30	23 47	0 38	19 41	1 43	18 42	0 44	21 31	1 4	22 50	1 6	16 11	16 23	8 39			n.a.
S 8	10 42	0n23	4 16	2 52	1 33	1 51	0 13	17 11	1 30	23 48	0 38	19 40	1 43	18 41	0 44	21 32	1 4	22 51	1 6	16 11	16 24	8 41			n.a.
M 9	10 20	4 31	4 48	2 2	1 43	2 23	0 16	17 21	1 30	23 48	0 38	19 38	1 43	18 40	0 44	21 32	1 4	22 51	1 6	16 12	16 25	8 43			n.a.
T 10	9 59	8 27	5 8	1 14	1 54	2 55	0 19	17 31	1 30	23 48	0 38	19 36	1 43	18 40	0 44	21 32	1 4	22 51	1 6	16 13	16 26	8 45			n.a.
W11	9 37	12 2	5 15	0 28	2 3	3 27	0 22	17 42	1 30	23 48	0 38	19 34	1 44	18 39	0 44	21 32	1 4	22 51	1 6	16 14	16 27	8 47			n.a.
T 12	9 15	15 9	5 8	0n16	2 13	3 59	0 25	17 52	1 30	23 49	0 38	19 32	1 44	18 38	0 44	21 33	1 4	22 51	1 7	16 14	16 28	8 49			n.a.
F 13	8 53	17 40	4 48	0 58	2 21	4 30	0 29	18 2	1 30	23 49	0 38	19 30	1 44	18 37	0 44	21 33	1 4	22 51	1 7	16 14	16 29	8 51			n.a.
S 14	8 31	19 26	4 15	1 37	2 29	5 2	0 32	18 12	1 30	23 49	0 38	19 28	1 44	18 36	0 44	21 33	1 4	22 52	1 7	16 14	16 30	8 53			n.a.
S 15	8 9	20 19	3 29	2 14	2 37	5 33	0 35	18 22	1 30	23 50	0 38	19 26	1 44	18 35	0 44	21 33	1 4	22 52	1 7	16 13	16 31	8 55			n.a.
M16	7 47	20 11	2 31	2 48	2 43	6 4	0 38	18 32	1 30	23 50	0 38	19 25	1 44	18 34	0 44	21 34	1 4	22 52	1 7	16 13	16 32	8 58			n.a.
T 17	7 24	18 58	1 24	3 19	2 49	6 35	0 41	18 41	1 30	23 50	0 38	19 23	1 44	18 34	0 44	21 34	1 4	22 52	1 7	16 12	16 33	9 0			n.a.
W18	7 2	16 37	0 11	3 48	2 53	7 6	0 44	18 51	1 30	23 51	0 38	19 21	1 44	18 33	0 44	21 34	1 4	22 52	1 7	16 12	16 34	9 2			n.a.
T 19	6 39	13 15	1n 5	4 14	2 57	7 37	0 47	19 1	1 30	23 51	0 38	19 19	1 45	18 32	0 44	21 34	1 4	22 52	1 7	16 12	16 35	9 4			n.a.
F 20	6 16	9 1	2 19	4 36	3 0	8 8	0 51	19 10	1 30	23 51	0 38	19 17	1 45	18 31	0 44	21 35	1 4	22 53	1 8	16 13	16 36	9 6			n.a.
S 21	5 54	4 11	3 26	4 56	3 2	8 38	0 54	19 20	1 30	23 52	0 38	19 15	1 45	18 30	0 44	21 35	1 4	22 53	1 8	16 14	16 37	9 8			n.a.
S 22	5 31	0s57	4 19	5 13	3 3	9 8	0 57	19 29	1 30	23 52	0 38	19 14	1 45	18 30	0 44	21 35	1 4	22 53	1 8	16 15	16 38	9 10			n.a.
M23	5 8	6 2	4 55	5 27	3 3	9 38	1 0	19 38	1 30	23 53	0 38	19 12	1 45	18 29	0 44	21 35	1 4	22 53	1 8	16 16	16 39	9 12			n.a.
T 24	4 45	10 43	5 11	5 37	3 2	10 8	1 3	19 47	1 30	23 53	0 38	19 10	1 45	18 28	0 44	21 35	1 4	22 53	1 8	16 18	16 40	9 14			n.a.
W25	4 22	14 43	5 7	5 44	2 59	10 38	1 6	19 56	1 30	23 54	0 38	19 8	1 46	18 27	0 44	21 36	1 4	22 53	1 8	16 19	16 41	9 16			n.a.
T 26	3 59	17 46	4 44	5 49	2 56	11 7	1 9	20 5	1 30	23 54	0 38	19 7	1 46	18 26	0 44	21 36	1 4	22 53	1 8	16 19	16 42	9 18			n.a.
F 27	3 36	19 42	4 5	5 50	2 51	11 36	1 12	20 14	1 30	23 55	0 38	19 5	1 46	18 26	0 44	21 36	1 4	22 53	1 8	16 19	16 43	9 20			n.a.
S 28	3 12	20 26	3 12	5 47	2 45	12 5	1 15	20 23	1 30	23 55	0 38	19 3	1 46	18 25	0 44	21 36	1 4	22 54	1 9	16 19	16 43	9 23			n.a.
S 29	2 49	19 59	2 10	5 42	2 38	12 33	1 18	20 32	1 30	23 56	0 38	19 1	1 46	18 24	0 44	21 36	1 4	22 54	1 9	16 18	16 44	9 25			n.a.
M30	2 26	18 27	1 2	5 34	2 30	13 1	1 21	20 40	1 30	23 56	0 38	19 0	1 46	18 23	0 44	21 36	1 4	22 54	1 9	16 18	16 45	9 27			n.a.
T 31	2s 3	16s 0	0s 7	5n22	2n20	13n29	1n24	20n49	1n30	23n57	0n38	18s58	1s47	18s23	0s44	21n37	1n 4	22s54	1s 9	16n18	16n46	9n29			n.a.

Julian Day Number = 1105305.5, Delta T = 10h58m20s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'29, Lahiri = -27°13'29 Julian Calendar 1 March 1687 BCE == Greg. Calendar 15 Feb. 1687 BCE

The year -1686 astronomical counting style corresponds to year 1687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

APRIL 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 37 48	25♓54'29	0♓ 7	7°R48	2♉33	25♉33	17♊49	12♒58	11♒30	29°R49	6°R17	16°R 7	14♌30	7♉43	n.a.	W 1
T 2	11 41 45	26°52'09	12°34	7♈32	3°43	26° 7	17°55	13° 4	11°33	29♋48	6♐17	16♌ 4	14°27	7°49	n.a.	T 2
F 3	11 45 42	27°49'46	24°52	7°13	4°54	26°42	18° 1	13°11	11°36	29°47	6°17	15°59	14°24	7°56	n.a.	F 3
S 4	11 49 38	28°47'23	7♈ 1	6°49	6° 3	27°16	18° 7	13°17	11°38	29°47	6°16	15°53	14°21	8° 3	n.a.	S 4
S 5	11 53 35	29°44'58	19° 3	6°23	7°13	27°51	18°14	13°23	11°41	29°46	6°16	15°45	14°18	8° 9	n.a.	S 5
M 6	11 57 31	0♈42'31	1♉ 0	5°53	8°23	28°25	18°21	13°29	11°43	29°45	6°16	15°36	14°14	8°16	n.a.	M 6
T 7	12 1 28	1°40'03	12°53	5°22	9°33	29° 0	18°27	13°35	11°46	29°45	6°15	15°28	14°11	8°23	n.a.	T 7
W 8	12 5 24	2°37'34	24°44	4°49	10°42	29°35	18°34	13°41	11°48	29°44	6°15	15°21	14° 8	8°30	n.a.	W 8
T 9	12 9 21	3°35'03	6♊38	4°14	11°52	0♊10	18°41	13°47	11°51	29°44	6°14	15°16	14° 5	8°36	n.a.	T 9
F 10	12 13 17	4°32'31	18°37	3°40	13° 1	0°44	18°49	13°52	11°53	29°43	6°14	15°12	14° 2	8°43	n.a.	F 10
S 11	12 17 14	5°29'57	0♋46	3° 5	14°10	1°19	18°56	13°58	11°55	29°43	6°13	15°D11	13°59	8°50	n.a.	S 11
S 12	12 21 11	6°27'22	13° 9	2°31	15°20	1°54	19° 3	14° 4	11°58	29°42	6°13	15°11	13°55	8°57	n.a.	S 12
M13	12 25 7	7°24'45	25°52	1°59	16°29	2°29	19°11	14° 9	12° 0	29°42	6°12	15°12	13°52	9° 3	n.a.	M13
T 14	12 29 4	8°22'07	8♌59	1°28	17°38	3° 4	19°19	14°15	12° 2	29°42	6°12	15°R13	13°49	9°10	n.a.	T 14
W15	12 33 0	9°19'27	22°33	1° 0	18°46	3°39	19°27	14°20	12° 4	29°41	6°11	15°13	13°46	9°17	n.a.	W15
T 16	12 36 57	10°16'47	6♍35	0°35	19°55	4°14	19°34	14°26	12° 6	29°41	6°10	15°11	13°43	9°23	n.a.	T 16
F 17	12 40 53	11°14'04	21° 4	0°12	21° 4	4°50	19°43	14°31	12° 8	29°41	6°10	15° 7	13°40	9°30	n.a.	F 17
S 18	12 44 50	12°11'21	5♎55	29♓54	22°12	5°25	19°51	14°36	12°11	29°40	6° 9	15° 1	13°36	9°37	n.a.	S 18
S 19	12 48 46	13° 8'37	21° 2	29°39	23°20	6° 0	19°59	14°42	12°13	29°40	6° 8	14°53	13°33	9°44	n.a.	S 19
M20	12 52 43	14° 5'52	6♏13	29°28	24°28	6°35	20° 7	14°47	12°15	29°40	6° 8	14°44	13°30	9°50	n.a.	M20
T 21	12 56 40	15° 3'06	21°19	29°22	25°37	7°11	20°16	14°52	12°17	29°40	6° 7	14°36	13°27	9°57	n.a.	T 21
W22	13 0 36	16° 0'19	6♐10	29°D20	26°44	7°46	20°25	14°57	12°18	29°40	6° 6	14°29	13°24	10° 4	n.a.	W22
T 23	13 4 33	16°57'32	20°40	29°22	27°52	8°22	20°33	15° 2	12°20	29°39	6° 5	14°24	13°20	10°10	n.a.	T 23
F 24	13 8 29	17°54'44	4♑45	29°29	29° 0	8°57	20°42	15° 7	12°22	29°39	6° 4	14°22	13°17	10°17	n.a.	F 24
S 25	13 12 26	18°51'56	18°24	29°40	0♊ 7	9°33	20°51	15°11	12°24	29°39	6° 3	14°D21	13°14	10°24	n.a.	S 25
S 26	13 16 22	19°49'08	1♒40	29°56	1°15	10° 8	21° 0	15°16	12°26	29°D39	6° 3	14°21	13°11	10°31	n.a.	S 26
M27	13 20 19	20°46'19	14°35	0♈16	2°22	10°44	21° 9	15°21	12°28	29°39	6° 2	14°R22	13° 8	10°37	n.a.	M27
T 28	13 24 15	21°43'29	27°13	0°41	3°29	11°19	21°19	15°25	12°29	29°39	6° 1	14°21	13° 5	10°44	n.a.	T 28
W29	13 28 12	22°40'39	9♓37	1°10	4°36	11°55	21°28	15°30	12°31	29°40	6° 0	14°18	13° 1	10°51	n.a.	W29
T 30	13 32 9	23♈37'48	21♓51	1♈44	5♊43	12♊31	21♊38	15♒34	12♒32	29♋40	5♐59	14♌13	12♌58	10♉58	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1s39	12s49	1s15	5n 8	2n 9	13n57	1n27	20n57	1n30	23n57	0n38	18s56	1s47	18s22	0s44	21n37	1n 4	22s54	1s 9	16n18	16n47	9n31		n.a.
T 2	1 16	9 5	2 18	4 51	1 58	14 24	1 30	21 6	1 29	23 58	0 38	18 55	1 47	18 21	0 44	21 37	1 4	22 54	1 9	16 19	16 48	9 33		n.a.
F 3	0 53	5 2	3 14	4 31	1 45	14 51	1 33	21 14	1 29	23 59	0 38	18 53	1 47	18 20	0 45	21 37	1 4	22 54	1 9	16 21	16 49	9 35		n.a.
S 4	0 29	0 50	4 0	4 9	1 31	15 17	1 35	21 22	1 29	23 59	0 38	18 51	1 47	18 20	0 45	21 37	1 4	22 54	1 9	16 23	16 50	9 37		n.a.
S 5	0 6	3n22	4 35	3 45	1 17	15 43	1 38	21 30	1 29	24 0	0 38	18 50	1 47	18 19	0 45	21 37	1 4	22 54	1 10	16 25	16 51	9 39		n.a.
M 6	0n17	7 24	4 58	3 19	1 1	16 9	1 41	21 38	1 29	24 0	0 38	18 48	1 48	18 18	0 45	21 37	1 4	22 54	1 10	16 27	16 52	9 41		n.a.
T 7	0 41	11 7	5 7	2 52	0 45	16 34	1 43	21 46	1 29	24 1	0 38	18 47	1 48	18 18	0 45	21 38	1 4	22 54	1 10	16 30	16 53	9 43		n.a.
W 8	1 4	14 24	5 3	2 23	0 29	16 59	1 46	21 53	1 29	24 2	0 38	18 45	1 48	18 17	0 45	21 38	1 4	22 54	1 10	16 32	16 54	9 45		n.a.
T 9	1 27	17 7	4 47	1 54	0 12	17 24	1 49	22 1	1 29	24 2	0 38	18 44	1 48	18 16	0 45	21 38	1 4	22 54	1 10	16 34	16 55	9 47		n.a.
F 10	1 50	19 7	4 17	1 25	0s 5	17 48	1 51	22 8	1 29	24 3	0 38	18 42	1 48	18 16	0 45	21 38	1 4	22 54	1 10	16 35	16 56	9 50		n.a.
S 11	2 13	20 17	3 36	0 55	0 22	18 12	1 54	22 15	1 29	24 3	0 38	18 41	1 49	18 15	0 45	21 38	1 4	22 54	1 10	16 35	16 57	9 52		n.a.
S 12	2 37	20 31	2 44	0 26	0 39	18 35	1 56	22 23	1 29	24 4	0 38	18 39	1 49	18 15	0 45	21 38	1 4	22 54	1 10	16 35	16 58	9 54		n.a.
M13	3 0	19 42	1 42	0s 2	0 55	18 58	1 58	22 30	1 28	24 5	0 38	18 38	1 49	18 14	0 45	21 38	1 4	22 54	1 11	16 35	16 58	9 56		n.a.
T 14	3 23	17 49	0 33	0 29	1 11	19 20	2 1	22 37	1 28	24 5	0 38	18 36	1 49	18 13	0 45	21 38	1 4	22 54	1 11	16 35	16 59	9 58		n.a.
W15	3 46	14 52	0n39	0 55	1 27	19 42	2 3	22 43	1 28	24 6	0 38	18 35	1 49	18 13	0 45	21 38	1 4	22 54	1 11	16 35	17 0	10 0		n.a.
T 16	4 9	10 59	1 52	1 19	1 42	20 3	2 5	22 50	1 28	24 7	0 39	18 33	1 50	18 12	0 45	21 38	1 4	22 54	1 11	16 35	17 1	10 2		n.a.
F 17	4 32	6 21	3 0	1 41	1 56	20 24	2 7	22 57	1 28	24 7	0 39	18 32	1 50	18 12	0 45	21 38	1 4	22 54	1 11	16 36	17 2	10 4		n.a.
S 18	4 54	1 13	3 57	2 1	2 9	20 44	2 9	23 3	1 28	24 8	0 39	18 30	1 50	18 11	0 45	21 38	1 4	22 54	1 11	16 38	17 3	10 6		n.a.
S 19	5 17	4s 4	4 39	2 18	2 21	21 4	2 11	23 9	1 28	24 9	0 39	18 29	1 50	18 10	0 45	21 38	1 4	22 54	1 11	16 41	17 4	10 8		n.a.
M20	5 40	9 7	5 1	2 33	2 33	21 23	2 13	23 15	1 28	24 9	0 39	18 28	1 50	18 10	0 45	21 38	1 4	22 54	1 11	16 43	17 5	10 10		n.a.
T 21	6 2	13 34	5 2	2 45	2 43	21 42	2 15	23 21	1 28	24 10	0 39	18 26	1 51	18 9	0 45	21 38	1 4	22 54	1 12	16 46	17 6	10 12		n.a.
W22	6 25	17 6	4 43	2 54	2 52	22 0	2 16	23 27	1 27	24 11	0 39	18 25	1 51	18 9	0 45	21 38	1 4	22 54	1 12	16 48	17 7	10 14		n.a.
T 23	6 47	19 28	4 6	3 1	3 1	22 18	2 18	23 33	1 27	24 11	0 39	18 24	1 51	18 8	0 45	21 38	1 4	22 54	1 12	16 49	17 8	10 16		n.a.
F 24	7 9	20 34	3 15	3 4	3 8	22 35	2 20	23 38	1 27	24 12	0 39	18 23	1 51	18 8	0 45	21 38	1 4	22 54	1 12	16 50	17 9	10 18		n.a.
S 25	7 31	20 23	2 14	3 5	3 14	22 51	2 21	23 44	1 27	24 13	0 39	18 21	1 52	18 7	0 45	21 38	1 4	22 54	1 12	16 50	17 10	10 20		n.a.
S 26	7 54	19 4	1 7	3 4	3 19	23 7	2 23	23 49	1 27	24 13	0 39	18 20	1 52	18 7	0 45	21 38	1 4	22 54	1 12	16 50	17 11	10 23		n.a.
M27	8 15	16 47	0s 1	2 59	3 23	23 22	2 24	23 54	1 27	24 14	0 39	18 19	1 52	18 6	0 45	21 38	1 3	22 54	1 12	16 50	17 11	10 25		n.a.
T 28	8 37	13 44	1 8	2 52	3 26	23 37	2 25	23 59	1 27	24 14	0 39	18 18	1 52	18 6	0 45	21 38	1 3	22 54	1 12	16 50	17 12	10 27		n.a.
W29	8 59	10 7	2 10	2 42	3 28	23 51	2 26	24 4	1 26	24 15	0 39	18 17	1 53	18 6	0 45	21 38	1 3	22 54	1 13	16 51	17 13	10 29		n.a.
T 30	9n21	6s 7	3s 5	2s29	3s29	24n 4	2n27	24n 9	1n26	24n16	0n39	18s16	1s53	18s 5	0s45	21n38	1n 3	22s54	1s13	16n52	17n14	10n31		n.a.

Julian Day Number = 1105336.5, Delta T = 10h58m18s
Ecliptic obliquity = 23°53'22, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'25, Lahiri = -27°13'25 Julian Calendar 1 Apr. 1687 BCE == Greg. Calendar 18 March 1687 BCE

The year -1686 astronomical counting style corresponds to year 1687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

MAY 1687 BCE (-1686) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 36 5	24♈34'57	3♈56	2♈21	6♊50	13♊ 7	21♊47	15♒38	12♒34	29♋40	5°R58	14°R 5	12♌55	11♉ 4	n.a.	F 1
S 2	13 40 2	25°32'06	15°56	3° 3	7°56	13°42	21°57	15°42	12°35	29°40	5♐57	13♌54	12°52	11°11	n.a.	S 2
S 3	13 43 58	26°29'14	27°52	3°49	9° 2	14°18	22° 7	15°47	12°37	29°40	5°56	13°42	12°49	11°18	n.a.	S 3
M 4	13 47 55	27°26'21	9♉45	4°38	10° 8	14°54	22°17	15°51	12°38	29°40	5°55	13°29	12°45	11°24	n.a.	M 4
T 5	13 51 51	28°23'28	21°37	5°32	11°14	15°30	22°27	15°55	12°40	29°41	5°54	13°16	12°42	11°31	n.a.	T 5
W 6	13 55 48	29°20'35	3♊29	6°29	12°20	16° 6	22°37	15°59	12°41	29°41	5°53	13° 5	12°39	11°38	n.a.	W 6
T 7	13 59 44	0♉17'41	15°23	7°31	13°26	16°42	22°47	16° 2	12°42	29°41	5°52	12°55	12°36	11°45	n.a.	T 7
F 8	14 3 41	1°14'47	27°23	8°35	14°31	17°18	22°57	16° 6	12°44	29°42	5°50	12°49	12°33	11°51	n.a.	F 8
S 9	14 7 38	2°11'52	9♋32	9°44	15°37	17°55	23° 7	16°10	12°45	29°42	5°49	12°45	12°30	11°58	n.a.	S 9
S 10	14 11 34	3° 8'56	21°54	10°56	16°42	18°31	23°18	16°13	12°46	29°43	5°48	12°43	12°26	12° 5	n.a.	S 10
M11	14 15 31	4° 6'00	4♌34	12°11	17°47	19° 7	23°28	16°17	12°47	29°43	5°47	12°42	12°23	12°12	n.a.	M11
T 12	14 19 27	5° 3'04	17°36	13°30	18°51	19°43	23°39	16°20	12°48	29°44	5°46	12°42	12°20	12°18	n.a.	T 12
W13	14 23 24	6° 0'07	1♍ 4	14°52	19°56	20°20	23°49	16°23	12°49	29°44	5°45	12°42	12°17	12°25	n.a.	W13
T 14	14 27 20	6°57'09	15° 1	16°18	21° 0	20°56	24° 0	16°26	12°50	29°45	5°43	12°39	12°14	12°32	n.a.	T 14
F 15	14 31 17	7°54'11	29°27	17°47	22° 4	21°32	24°11	16°29	12°51	29°45	5°42	12°34	12°11	12°38	n.a.	F 15
S 16	14 35 14	8°51'13	14♎18	19°20	23° 8	22° 9	24°22	16°32	12°52	29°46	5°41	12°26	12° 7	12°45	n.a.	S 16
S 17	14 39 10	9°48'15	29°29	20°55	24°11	22°45	24°33	16°35	12°53	29°47	5°40	12°16	12° 4	12°52	n.a.	S 17
M18	14 43 7	10°45'16	14♏49	22°34	25°14	23°22	24°44	16°38	12°53	29°47	5°38	12° 6	12° 1	12°59	n.a.	M18
T 19	14 47 3	11°42'18	0♐ 6	24°16	26°17	23°58	24°55	16°41	12°54	29°48	5°37	11°55	11°58	13° 5	n.a.	T 19
W20	14 51 0	12°39'20	15°10	26° 1	27°20	24°35	25° 6	16°43	12°55	29°49	5°36	11°47	11°55	13°12	n.a.	W20
T 21	14 54 56	13°36'22	29°53	27°49	28°23	25°11	25°17	16°46	12°55	29°50	5°35	11°40	11°51	13°19	n.a.	T 21
F 22	14 58 53	14°33'25	14♑ 7	29°40	29°25	25°48	25°29	16°48	12°56	29°50	5°33	11°36	11°48	13°26	n.a.	F 22
S 23	15 2 49	15°30'27	27°53	1♉34	0♋27	26°25	25°40	16°51	12°57	29°51	5°32	11°34	11°45	13°32	n.a.	S 23
S 24	15 6 46	16°27'31	11♒12	3°30	1°28	27° 2	25°52	16°53	12°57	29°52	5°31	11°34	11°42	13°39	n.a.	S 24
M25	15 10 43	17°24'35	24° 5	5°29	2°30	27°38	26° 3	16°55	12°58	29°53	5°29	11°34	11°39	13°46	n.a.	M25
T 26	15 14 39	18°21'39	6♓39	7°30	3°31	28°15	26°15	16°57	12°58	29°54	5°28	11°33	11°36	13°52	n.a.	T 26
W27	15 18 36	19°18'44	18°57	9°33	4°32	28°52	26°26	16°59	12°58	29°55	5°26	11°30	11°32	13°59	n.a.	W27
T 28	15 22 32	20°15'50	1♈ 4	11°37	5°32	29°29	26°38	17° 1	12°59	29°56	5°25	11°25	11°29	14° 6	n.a.	T 28
F 29	15 26 29	21°12'56	13° 3	13°43	6°32	0♋ 6	26°50	17° 2	12°59	29°57	5°24	11°17	11°26	14°13	n.a.	F 29
S 30	15 30 25	22°10'02	24°57	15°51	7°32	0°43	27° 2	17° 4	12°59	29°58	5°22	11° 6	11°23	14°19	n.a.	S 30
S 31	15 34 22	23♉ 7'09	6♉49	17♉58	8♋31	1♋20	27♊13	17♒ 6	12♒59	29♋59	5♐21	10♌53	11♌20	14♉26	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9n42	1s56	3s51	2s14	3s29	24n17	2n28	24n13	1n26	24n16	0n39	18s15	1s53	18s 5	0s45	21n38	1n 3	22s54	1s13	16n55	17n15	10n33		n.a.
S 2	10 3	2n18	4 26	1 57	3 28	24 29	2 29	24 18	1 26	24 17	0 39	18 14	1 53	18 4	0 45	21 38	1 3	22 54	1 13	16 58	17 16	10 35		n.a.
S 3	10 24	6 25	4 50	1 37	3 27	24 41	2 30	24 22	1 26	24 18	0 39	18 13	1 53	18 4	0 46	21 38	1 3	22 54	1 13	17 1	17 17	10 37		n.a.
M 4	10 45	10 16	5 0	1 14	3 24	24 52	2 30	24 26	1 26	24 18	0 39	18 12	1 54	18 4	0 46	21 38	1 3	22 54	1 13	17 5	17 18	10 39		n.a.
T 5	11 6	13 43	4 58	0 50	3 21	25 2	2 31	24 30	1 25	24 19	0 39	18 11	1 54	18 3	0 46	21 38	1 3	22 54	1 13	17 9	17 19	10 41		n.a.
W 6	11 27	16 38	4 42	0 23	3 17	25 12	2 31	24 34	1 25	24 19	0 39	18 10	1 54	18 3	0 46	21 38	1 3	22 54	1 13	17 12	17 20	10 43		n.a.
T 7	11 47	18 51	4 14	0n 6	3 12	25 21	2 31	24 37	1 25	24 20	0 39	18 9	1 54	18 3	0 46	21 38	1 3	22 54	1 13	17 15	17 21	10 45		n.a.
F 8	12 8	20 17	3 35	0 37	3 7	25 29	2 32	24 41	1 25	24 21	0 39	18 8	1 55	18 2	0 46	21 38	1 3	22 53	1 14	17 17	17 22	10 47		n.a.
S 9	12 28	20 47	2 46	1 10	3 1	25 36	2 32	24 44	1 25	24 21	0 39	18 7	1 55	18 2	0 46	21 37	1 3	22 53	1 14	17 18	17 22	10 49		n.a.
S 10	12 48	20 18	1 48	1 45	2 54	25 43	2 32	24 47	1 25	24 22	0 39	18 6	1 55	18 2	0 46	21 37	1 3	22 53	1 14	17 19	17 23	10 51		n.a.
M11	13 7	18 47	0 43	2 21	2 47	25 50	2 31	24 50	1 24	24 22	0 39	18 5	1 55	18 1	0 46	21 37	1 3	22 53	1 14	17 19	17 24	10 53		n.a.
T 12	13 27	16 15	0n26	3 0	2 39	25 55	2 31	24 53	1 24	24 23	0 39	18 4	1 56	18 1	0 46	21 37	1 3	22 53	1 14	17 19	17 25	10 55		n.a.
W13	13 46	12 47	1 35	3 40	2 30	26 0	2 31	24 56	1 24	24 23	0 39	18 4	1 56	18 1	0 46	21 37	1 3	22 53	1 14	17 19	17 26	10 57		n.a.
T 14	14 5	8 29	2 42	4 22	2 21	26 4	2 30	24 58	1 24	24 24	0 39	18 3	1 56	18 1	0 46	21 37	1 3	22 53	1 14	17 20	17 27	10 59		n.a.
F 15	14 24	3 35	3 40	5 5	2 12	26 8	2 29	25 0	1 24	24 24	0 39	18 2	1 57	18 0	0 46	21 37	1 3	22 53	1 14	17 21	17 28	11 1		n.a.
S 16	14 43	1s41	4 25	5 50	2 2	26 11	2 29	25 2	1 23	24 25	0 39	18 2	1 57	18 0	0 46	21 36	1 3	22 53	1 14	17 23	17 29	11 3		n.a.
S 17	15 2	6 56	4 53	6 36	1 51	26 13	2 28	25 4	1 23	24 25	0 39	18 1	1 57	18 0	0 46	21 36	1 3	22 53	1 15	17 26	17 30	11 6		n.a.
M18	15 20	11 49	5 0	7 23	1 41	26 15	2 27	25 6	1 23	24 26	0 39	18 0	1 57	18 0	0 46	21 36	1 3	22 52	1 15	17 29	17 31	11 8		n.a.
T 19	15 38	15 54	4 46	8 12	1 30	26 16	2 25	25 8	1 23	24 26	0 39	18 0	1 58	18 0	0 46	21 36	1 3	22 52	1 15	17 32	17 32	11 10		n.a.
W20	15 56	18 53	4 11	9 1	1 19	26 16	2 24	25 9	1 23	24 27	0 39	17 59	1 58	17 59	0 46	21 36	1 3	22 52	1 15	17 35	17 32	11 12		n.a.
T 21	16 13	20 32	3 21	9 51	1 7	26 15	2 23	25 10	1 22	24 27	0 39	17 59	1 58	17 59	0 46	21 36	1 3	22 52	1 15	17 37	17 33	11 14		n.a.
F 22	16 30	20 49	2 20	10 42	0 56	26 14	2 21	25 11	1 22	24 28	0 39	17 58	1 58	17 59	0 46	21 35	1 3	22 52	1 15	17 38	17 34	11 16		n.a.
S 23	16 47	19 48	1 12	11 33	0 44	26 13	2 19	25 12	1 22	24 28	0 39	17 58	1 59	17 59	0 46	21 35	1 3	22 52	1 15	17 38	17 35	11 18		n.a.
S 24	17 4	17 43	0 2	12 24	0 33	26 10	2 17	25 13	1 22	24 29	0 39	17 57	1 59	17 59	0 46	21 35	1 3	22 52	1 15	17 38	17 36	11 20		n.a.
M25	17 21	14 46	1s 6	13 16	0 21	26 7	2 15	25 14	1 22	24 29	0 39	17 57	1 59	17 59	0 46	21 35	1 3	22 51	1 15	17 38	17 37	11 22		n.a.
T 26	17 37	11 13	2 8	14 7	0 10	26 4	2 13	25 14	1 21	24 29	0 39	17 57	1 59	17 59	0 46	21 34	1 3	22 51	1 16	17 39	17 38	11 24		n.a.
W27	17 53	7 16	3 4	14 58	0n 1	25 59	2 11	25 14	1 21	24 30	0 39	17 56	2 0	17 59	0 46	21 34	1 3	22 51	1 16	17 39	17 39	11 26		n.a.
T 28	18 9	3 4	3 50	15 48	0 12	25 54	2 8	25 14	1 21	24 30	0 39	17 56	2 0	17 59	0 47	21 34	1 3	22 51	1 16	17 41	17 40	11 28		n.a.
F 29	18 24	1n11	4 25	16 37	0 23	25 49	2 6	25 14	1 21	24 30	0 39	17 56	2 0	17 59	0 47	21 34	1 3	22 51	1 16	17 43	17 40	11 30		n.a.
S 30	18 39	5 22	4 49	17 25	0 33	25 43	2 3	25 14	1 20	24 31	0 39	17 55	2 1	17 59	0 47	21 34	1 3	22 51	1 16	17 46	17 41	11 32		n.a.
S 31	18n54	9n20	5s 0	18n12	0n43	25n36	2n 0	25n13	1n20	24n31	0n39	17s55	2s 1	17s59	0s47	21n33	1n 3	22s51	1s16	17n50	17n42	11n34		n.a.

Julian Day Number = 1105366.5, Delta T = 10h58m16s
Ecliptic obliquity = 23°53'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'21, Lahiri = -27°13'21 Julian Calendar 1 May 1687 BCE == Greg. Calendar 17 Apr. 1687 BCE

The year -1686 astronomical counting style corresponds to year 1687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

JUNE 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 38 19	24♉ 4'17	18♉41	20♉ 7	9♋30	1♋57	27♊25	17♒ 7	12♒59	0♌ 0	5°R19	10°R40	11♌17	14♉33	n.a.	M 1
T 2	15 42 15	25° 1'25	0♊34	22°16	10°29	2°34	27°37	17° 8	12°59	0° 1	5♐18	10♌27	11°13	14°39	n.a.	T 2
W 3	15 46 12	25°58'34	12°30	24°24	11°27	3°11	27°49	17°10	12°R59	0° 3	5°17	10°15	11°10	14°46	n.a.	W 3
T 4	15 50 8	26°55'44	24°30	26°33	12°25	3°49	28° 1	17°11	12°59	0° 4	5°15	10° 5	11° 7	14°53	n.a.	T 4
F 5	15 54 5	27°52'54	6♋36	28°41	13°23	4°26	28°14	17°12	12°59	0° 5	5°14	9°58	11° 4	15° 0	n.a.	F 5
S 6	15 58 1	28°50'04	18°50	0♊48	14°20	5° 3	28°26	17°13	12°59	0° 6	5°12	9°54	11° 1	15° 6	n.a.	S 6
S 7	16 1 58	29°47'15	1♌16	2°54	15°17	5°40	28°38	17°13	12°59	0° 8	5°11	9°52	10°57	15°13	n.a.	S 7
M 8	16 5 54	0♊44'26	13°58	4°59	16°13	6°18	28°50	17°14	12°59	0° 9	5°10	9°D52	10°54	15°20	n.a.	M 8
T 9	16 9 51	1°41'38	26°58	7° 3	17° 9	6°55	29° 2	17°15	12°58	0°10	5° 8	9°R52	10°51	15°27	n.a.	T 9
W10	16 13 48	2°38'50	10♍21	9° 6	18° 4	7°33	29°15	17°15	12°58	0°12	5° 7	9°52	10°48	15°33	n.a.	W10
T 11	16 17 44	3°36'02	24°10	11° 7	18°58	8°10	29°27	17°15	12°58	0°13	5° 5	9°50	10°45	15°40	n.a.	T 11
F 12	16 21 41	4°33'16	8♎25	13° 7	19°53	8°48	29°40	17°16	12°57	0°14	5° 4	9°47	10°42	15°47	n.a.	F 12
S 13	16 25 37	5°30'29	23° 5	15° 5	20°46	9°25	29°52	17°16	12°57	0°16	5° 2	9°41	10°38	15°53	n.a.	S 13
S 14	16 29 34	6°27'44	8♏ 6	17° 1	21°39	10° 3	0♋ 5	17°R16	12°56	0°17	5° 1	9°33	10°35	16° 0	n.a.	S 14
M15	16 33 30	7°24'59	23°18	18°56	22°32	10°41	0°17	17°16	12°56	0°19	4°59	9°24	10°32	16° 7	n.a.	M15
T 16	16 37 27	8°22'15	8♐31	20°49	23°24	11°18	0°30	17°16	12°55	0°20	4°58	9°15	10°29	16°14	n.a.	T 16
W17	16 41 24	9°19'32	23°35	22°41	24°15	11°56	0°42	17°16	12°54	0°22	4°57	9° 7	10°26	16°20	n.a.	W17
T 18	16 45 20	10°16'51	8♑21	24°31	25° 5	12°34	0°55	17°15	12°54	0°23	4°55	9° 2	10°22	16°27	n.a.	T 18
F 19	16 49 17	11°14'10	22°42	26°19	25°55	13°12	1° 8	17°15	12°53	0°25	4°54	8°59	10°19	16°34	n.a.	F 19
S 20	16 53 13	12°11'31	6♒34	28° 6	26°44	13°49	1°20	17°14	12°52	0°27	4°52	8°D58	10°16	16°41	n.a.	S 20
S 21	16 57 10	13° 8'53	19°58	29°51	27°33	14°27	1°33	17°14	12°51	0°28	4°51	8°58	10°13	16°47	n.a.	S 21
M22	17 1 6	14° 6'17	2♓56	1♋34	28°21	15° 5	1°46	17°13	12°50	0°30	4°49	8°59	10°10	16°54	n.a.	M22
T 23	17 5 3	15° 3'42	15°32	3°16	29° 8	15°43	1°59	17°12	12°50	0°31	4°48	8°R59	10° 7	17° 1	n.a.	T 23
W24	17 8 59	16° 1'08	27°51	4°56	29°54	16°21	2°12	17°11	12°49	0°33	4°47	8°58	10° 3	17° 7	n.a.	W24
T 25	17 12 56	16°58'36	9♈56	6°35	0♌39	16°59	2°25	17°10	12°48	0°35	4°45	8°56	10° 0	17°14	n.a.	T 25
F 26	17 16 53	17°56'05	21°53	8°12	1°23	17°38	2°37	17° 9	12°46	0°37	4°44	8°51	9°57	17°21	n.a.	F 26
S 27	17 20 49	18°53'36	3♉46	9°47	2° 7	18°16	2°50	17° 7	12°45	0°38	4°42	8°44	9°54	17°28	n.a.	S 27
S 28	17 24 46	19°51'09	15°37	11°21	2°49	18°54	3° 3	17° 6	12°44	0°40	4°41	8°36	9°51	17°34	n.a.	S 28
M29	17 28 42	20°48'43	27°30	12°53	3°31	19°32	3°16	17° 5	12°43	0°42	4°40	8°27	9°48	17°41	n.a.	M29
T 30	17 32 39	21♊46'18	9♊27	14♋24	4♌12	20♋10	3♋29	17♒ 3	12♒42	0♌44	4♐38	8♌18	9♌44	17♉48	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n 9	12n57	4s57	18n56	0n52	25n29	1n57	25n12	1n20	24n31	0n39	17s55	2s 1	17s59	0s47	21n33	1n 3	22s50	1s16	17n53	17n43	11n36		n.a.
T 2	19 23	16 3	4 42	19 39	1 1	25 21	1 53	25 12	1 20	24 32	0 39	17 55	2 1	17 59	0 47	21 33	1 3	22 50	1 16	17 57	17 44	11 38		n.a.
W 3	19 37	18 30	4 15	20 20	1 9	25 13	1 50	25 11	1 20	24 32	0 40	17 55	2 2	17 59	0 47	21 32	1 3	22 50	1 16	18 0	17 45	11 40		n.a.
T 4	19 50	20 11	3 36	20 59	1 16	25 4	1 46	25 9	1 19	24 32	0 40	17 55	2 2	17 59	0 47	21 32	1 3	22 50	1 16	18 3	17 46	11 42		n.a.
F 5	20 4	20 57	2 47	21 35	1 23	24 54	1 42	25 8	1 19	24 32	0 40	17 55	2 2	17 59	0 47	21 32	1 3	22 50	1 17	18 5	17 47	11 44		n.a.
S 6	20 16	20 44	1 49	22 9	1 29	24 44	1 38	25 6	1 19	24 32	0 40	17 55	2 3	17 59	0 47	21 32	1 3	22 50	1 17	18 6	17 48	11 46		n.a.
S 7	20 29	19 31	0 46	22 40	1 34	24 33	1 34	25 4	1 19	24 33	0 40	17 55	2 3	17 59	0 47	21 31	1 3	22 49	1 17	18 7	17 48	11 48		n.a.
M 8	20 41	17 18	0n22	23 9	1 39	24 22	1 30	25 2	1 18	24 33	0 40	17 55	2 3	17 59	0 47	21 31	1 3	22 49	1 17	18 7	17 49	11 50		n.a.
T 9	20 53	14 9	1 30	23 35	1 43	24 11	1 25	25 0	1 18	24 33	0 40	17 55	2 3	17 59	0 47	21 31	1 3	22 49	1 17	18 6	17 50	11 52		n.a.
W10	21 5	10 12	2 35	23 59	1 46	23 59	1 21	24 58	1 18	24 33	0 40	17 55	2 4	17 59	0 47	21 30	1 3	22 49	1 17	18 7	17 51	11 54		n.a.
T 11	21 16	5 36	3 33	24 20	1 49	23 46	1 16	24 55	1 18	24 33	0 40	17 55	2 4	17 59	0 47	21 30	1 3	22 49	1 17	18 7	17 52	11 56		n.a.
F 12	21 27	0 34	4 20	24 38	1 51	23 33	1 11	24 53	1 17	24 33	0 40	17 55	2 4	18 0	0 47	21 30	1 2	22 49	1 17	18 8	17 53	11 58		n.a.
S 13	21 37	4s38	4 51	24 54	1 52	23 20	1 6	24 50	1 17	24 33	0 40	17 55	2 5	18 0	0 47	21 29	1 2	22 48	1 17	18 10	17 54	12 0		n.a.
S 14	21 48	9 41	5 4	25 7	1 53	23 6	1 0	24 47	1 17	24 33	0 40	17 56	2 5	18 0	0 47	21 29	1 2	22 48	1 17	18 12	17 55	12 2		n.a.
M15	21 57	14 11	4 55	25 18	1 53	22 52	0 55	24 43	1 17	24 33	0 40	17 56	2 5	18 0	0 47	21 29	1 2	22 48	1 17	18 14	17 56	12 4		n.a.
T 16	22 7	17 46	4 25	25 26	1 52	22 37	0 49	24 40	1 16	24 33	0 40	17 56	2 5	18 0	0 47	21 28	1 2	22 48	1 18	18 17	17 56	12 6		n.a.
W17	22 16	20 7	3 38	25 32	1 51	22 22	0 43	24 36	1 16	24 33	0 40	17 57	2 6	18 1	0 47	21 28	1 2	22 48	1 18	18 19	17 57	12 8		n.a.
T 18	22 25	21 2	2 36	25 36	1 49	22 7	0 37	24 32	1 16	24 33	0 40	17 57	2 6	18 1	0 47	21 28	1 2	22 47	1 18	18 20	17 58	12 10		n.a.
F 19	22 33	20 32	1 26	25 37	1 47	21 51	0 30	24 28	1 15	24 33	0 40	17 57	2 6	18 1	0 47	21 27	1 2	22 47	1 18	18 21	17 59	12 12		n.a.
S 20	22 41	18 46	0 13	25 37	1 45	21 35	0 23	24 24	1 15	24 33	0 40	17 58	2 6	18 1	0 47	21 27	1 2	22 47	1 18	18 21	18 0	12 14		n.a.
S 21	22 48	16 1	0s59	25 35	1 41	21 19	0 17	24 20	1 15	24 33	0 40	17 58	2 7	18 2	0 47	21 27	1 2	22 47	1 18	18 21	18 1	12 16		n.a.
M22	22 55	12 33	2 5	25 30	1 38	21 2	0 10	24 15	1 15	24 33	0 40	17 59	2 7	18 2	0 47	21 26	1 2	22 47	1 18	18 21	18 2	12 18		n.a.
T 23	23 2	8 37	3 3	25 24	1 33	20 45	0 2	24 10	1 14	24 33	0 41	17 59	2 7	18 2	0 48	21 26	1 2	22 47	1 18	18 21	18 3	12 20		n.a.
W24	23 8	4 24	3 52	25 17	1 29	20 28	0s 5	24 5	1 14	24 33	0 41	18 0	2 8	18 3	0 48	21 25	1 2	22 46	1 18	18 21	18 3	12 22		n.a.
T 25	23 14	0 6	4 29	25 7	1 24	20 11	0 13	24 0	1 14	24 33	0 41	18 0	2 8	18 3	0 48	21 25	1 2	22 46	1 18	18 22	18 4	12 24		n.a.
F 26	23 20	4n 9	4 53	24 56	1 19	19 53	0 21	23 55	1 13	24 33	0 41	18 1	2 8	18 3	0 48	21 25	1 2	22 46	1 18	18 23	18 5	12 26		n.a.
S 27	23 25	8 13	5 6	24 44	1 13	19 36	0 29	23 49	1 13	24 32	0 41	18 2	2 8	18 4	0 48	21 24	1 2	22 46	1 19	18 25	18 6	12 28		n.a.
S 28	23 30	11 58	5 4	24 30	1 7	19 18	0 37	23 44	1 13	24 32	0 41	18 2	2 9	18 4	0 48	21 24	1 2	22 46	1 19	18 27	18 7	12 30		n.a.
M29	23 34	15 16	4 50	24 15	1 0	19 0	0 45	23 38	1 13	24 32	0 41	18 3	2 9	18 4	0 48	21 23	1 2	22 45	1 19	18 29	18 8	12 32		n.a.
T 30	23n38	17n57	4s23	23n59	0n53	18n42	0s54	23n32	1n12	24n32	0n41	18s 4	2s 9	18s 5	0s48	21n23	1n 2	22s45	1s19	18n32	18n 9	12n34		n.a.

Julian Day Number = 1105397.5, Delta T = 10h58m14s
Ecliptic obliquity = 23°53'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'17, Lahiri = -27°13'16 Julian Calendar 1 June 1687 BCE == Greg. Calendar 18 May 1687 BCE

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

JULY 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 36 35	22♊43'55	21♊30	15♋53	4♌51	20♋49	3♋42	17°R 1	12°R41	0♌46	4°R37	8°R10	9♌41	17♉54	n.a.	W 1
T 2	17 40 32	23°41'34	3♋39	17°20	5°30	21°27	3°55	17♒ 0	12♒39	0°47	4♐35	8♌ 4	9°38	18° 1	n.a.	T 2
F 3	17 44 28	24°39'14	15°56	18°46	6° 7	22° 6	4° 8	16°58	12°38	0°49	4°34	7°59	9°35	18° 8	n.a.	F 3
S 4	17 48 25	25°36'55	28°23	20°10	6°43	22°44	4°21	16°56	12°36	0°51	4°33	7°57	9°32	18°15	n.a.	S 4
S 5	17 52 22	26°34'37	11♌ 2	21°32	7°18	23°23	4°34	16°54	12°35	0°53	4°31	7°D57	9°28	18°21	n.a.	S 5
M 6	17 56 18	27°32'21	23°54	22°52	7°52	24° 1	4°47	16°51	12°34	0°55	4°30	7°58	9°25	18°28	n.a.	M 6
T 7	18 0 15	28°30'06	7♍ 1	24°11	8°24	24°40	5° 0	16°49	12°32	0°57	4°29	7°59	9°22	18°35	n.a.	T 7
W 8	18 4 11	29°27'53	20°26	25°28	8°55	25°19	5°14	16°47	12°31	0°59	4°28	8° 0	9°19	18°42	n.a.	W 8
T 9	18 8 8	0♎25'41	4♎11	26°43	9°24	25°57	5°27	16°44	12°29	1° 1	4°26	8°R 0	9°16	18°48	n.a.	T 9
F 10	18 12 4	1°23'30	18°16	27°56	9°52	26°36	5°40	16°42	12°27	1° 3	4°25	7°59	9°13	18°55	n.a.	F 10
S 11	18 16 1	2°21'20	2♏41	29° 7	10°18	27°15	5°53	16°39	12°26	1° 5	4°24	7°57	9° 9	19° 2	n.a.	S 11
S 12	18 19 57	3°19'12	17°22	0♌16	10°43	27°54	6° 6	16°36	12°24	1° 7	4°23	7°53	9° 6	19° 8	n.a.	S 12
M13	18 23 54	4°17'06	2♐13	1°22	11° 6	28°32	6°19	16°34	12°22	1° 9	4°21	7°48	9° 3	19°15	n.a.	M13
T 14	18 27 51	5°15'01	17° 8	2°27	11°27	29°11	6°32	16°31	12°20	1°11	4°20	7°43	9° 0	19°22	n.a.	T 14
W15	18 31 47	6°12'57	1♑57	3°29	11°47	29°50	6°45	16°28	12°19	1°13	4°19	7°39	8°57	19°29	n.a.	W15
T 16	18 35 44	7°10'56	16°33	4°28	12° 4	0♌29	6°58	16°25	12°17	1°15	4°18	7°36	8°54	19°35	n.a.	T 16
F 17	18 39 40	8° 8'56	0♒49	5°24	12°20	1° 8	7°12	16°22	12°15	1°17	4°17	7°D35	8°50	19°42	n.a.	F 17
S 18	18 43 37	9° 6'58	14°41	6°18	12°34	1°47	7°25	16°18	12°13	1°19	4°16	7°35	8°47	19°49	n.a.	S 18
S 19	18 47 33	10° 5'02	28° 8	7° 9	12°46	2°27	7°38	16°15	12°11	1°21	4°14	7°36	8°44	19°56	n.a.	S 19
M20	18 51 30	11° 3'09	11♓10	7°56	12°55	3° 6	7°51	16°12	12° 9	1°23	4°13	7°38	8°41	20° 2	n.a.	M20
T 21	18 55 26	12° 1'17	23°50	8°40	13° 3	3°45	8° 4	16° 8	12° 7	1°26	4°12	7°39	8°38	20° 9	n.a.	T 21
W22	18 59 23	12°59'27	6♈11	9°21	13° 8	4°24	8°17	16° 5	12° 5	1°28	4°11	7°40	8°34	20°16	n.a.	W22
T 23	19 3 20	13°57'40	18°19	9°57	13°11	5° 4	8°30	16° 1	12° 3	1°30	4°10	7°R40	8°31	20°22	n.a.	T 23
F 24	19 7 16	14°55'55	0♉17	10°29	13°R12	5°43	8°43	15°58	12° 1	1°32	4° 9	7°39	8°28	20°29	n.a.	F 24
S 25	19 11 13	15°54'12	12°10	10°57	13°11	6°22	8°56	15°54	11°59	1°34	4° 8	7°37	8°25	20°36	n.a.	S 25
S 26	19 15 9	16°52'31	24° 2	11°20	13° 7	7° 2	9°10	15°50	11°57	1°36	4° 7	7°35	8°22	20°43	n.a.	S 26
M27	19 19 6	17°50'53	5♊57	11°38	13° 1	7°41	9°23	15°46	11°55	1°38	4° 6	7°32	8°19	20°49	n.a.	M27
T 28	19 23 2	18°49'16	17°59	11°51	12°52	8°21	9°36	15°42	11°53	1°41	4° 5	7°29	8°15	20°56	n.a.	T 28
W29	19 26 59	19°47'42	0♋ 9	11°58	12°41	9° 0	9°49	15°38	11°51	1°43	4° 4	7°26	8°12	21° 3	n.a.	W29
T 30	19 30 55	20°46'10	12°30	11°R59	12°28	9°40	10° 2	15°34	11°48	1°45	4° 3	7°24	8° 9	21° 9	n.a.	T 30
F 31	19 34 52	21♋44'40	25♋ 3	11♌54	12♌12	10♌20	10♋15	15♒30	11♒46	1♌47	4♐ 3	7♌23	8♌ 6	21♉16	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23n41	19n53	3s44	23n41	0n46	18n23	1s 3	23n26	1n12	24n31	0n41	18s 5	2s 9	18s 5	0s48	21n23	1n 2	22s45	1s19	18n34	18n10	12n36			n.a.
T 2	23 44	20 56	2 55	23 23	0 39	18 5	1 12	23 19	1 12	24 31	0 41	18 5	2 10	18 5	0 48	21 22	1 2	22 45	1 19	18 36	18 10	12 38			n.a.
F 3	23 47	21 0	1 56	23 3	0 31	17 47	1 22	23 13	1 11	24 31	0 41	18 6	2 10	18 6	0 48	21 22	1 2	22 45	1 19	18 37	18 11	12 40			n.a.
S 4	23 49	20 2	0 52	22 43	0 23	17 28	1 31	23 6	1 11	24 30	0 41	18 7	2 10	18 6	0 48	21 21	1 2	22 45	1 19	18 37	18 12	12 42			n.a.
S 5	23 51	18 3	0n17	22 22	0 15	17 10	1 41	22 59	1 11	24 30	0 41	18 8	2 10	18 7	0 48	21 21	1 2	22 44	1 19	18 37	18 13	12 44			n.a.
M 6	23 52	15 9	1 26	22 0	0 6	16 51	1 51	22 52	1 10	24 29	0 41	18 9	2 11	18 7	0 48	21 20	1 2	22 44	1 19	18 37	18 14	12 46			n.a.
T 7	23 53	11 26	2 31	21 38	0s 3	16 33	2 2	22 45	1 10	24 29	0 42	18 10	2 11	18 8	0 48	21 20	1 2	22 44	1 19	18 37	18 15	12 48			n.a.
W 8	23 53	7 4	3 30	21 15	0 12	16 15	2 12	22 37	1 10	24 29	0 42	18 11	2 11	18 8	0 48	21 20	1 2	22 44	1 19	18 37	18 16	12 50			n.a.
T 9	23 53	2 15	4 19	20 52	0 21	15 57	2 23	22 29	1 9	24 28	0 42	18 12	2 11	18 9	0 48	21 19	1 2	22 44	1 19	18 36	18 16	12 52			n.a.
F 10	23 53	2s47	4 53	20 28	0 30	15 39	2 34	22 22	1 9	24 28	0 42	18 13	2 12	18 9	0 48	21 19	1 2	22 44	1 20	18 37	18 17	12 54			n.a.
S 11	23 52	7 47	5 10	20 4	0 40	15 21	2 45	22 14	1 9	24 27	0 42	18 14	2 12	18 10	0 48	21 18	1 2	22 43	1 20	18 37	18 18	12 56			n.a.
S 12	23 51	12 26	5 7	19 40	0 50	15 3	2 56	22 5	1 8	24 27	0 42	18 15	2 12	18 10	0 48	21 18	1 2	22 43	1 20	18 39	18 19	12 58			n.a.
M13	23 49	16 22	4 44	19 16	1 0	14 46	3 8	21 57	1 8	24 26	0 42	18 16	2 12	18 11	0 48	21 17	1 2	22 43	1 20	18 40	18 20	13 0			n.a.
T 14	23 47	19 15	4 1	18 51	1 10	14 28	3 20	21 48	1 8	24 26	0 42	18 17	2 13	18 11	0 48	21 17	1 2	22 43	1 20	18 41	18 21	13 2			n.a.
W15	23 44	20 50	3 3	18 27	1 20	14 12	3 32	21 40	1 7	24 25	0 42	18 18	2 13	18 12	0 48	21 16	1 2	22 43	1 20	18 42	18 22	13 4			n.a.
T 16	23 41	20 59	1 53	18 3	1 30	13 55	3 44	21 31	1 7	24 24	0 42	18 19	2 13	18 12	0 48	21 16	1 2	22 43	1 20	18 43	18 22	13 6			n.a.
F 17	23 38	19 45	0 37	17 39	1 40	13 39	3 56	21 22	1 7	24 24	0 42	18 21	2 13	18 13	0 48	21 15	1 2	22 42	1 20	18 43	18 23	13 8			n.a.
S 18	23 34	17 21	0s39	17 16	1 51	13 23	4 8	21 13	1 6	24 23	0 42	18 22	2 14	18 13	0 48	21 15	1 2	22 42	1 20	18 43	18 24	13 10			n.a.
S 19	23 30	14 4	1 50	16 53	2 1	13 8	4 21	21 3	1 6	24 22	0 43	18 23	2 14	18 14	0 48	21 14	1 2	22 42	1 20	18 43	18 25	13 12			n.a.
M20	23 25	10 11	2 54	16 31	2 11	12 53	4 34	20 54	1 6	24 22	0 43	18 24	2 14	18 15	0 48	21 14	1 2	22 42	1 20	18 42	18 26	13 14			n.a.
T 21	23 20	5 57	3 47	16 9	2 22	12 38	4 46	20 44	1 5	24 21	0 43	18 26	2 14	18 15	0 48	21 14	1 2	22 42	1 20	18 42	18 27	13 15			n.a.
W22	23 14	1 36	4 28	15 49	2 32	12 25	4 59	20 34	1 5	24 20	0 43	18 27	2 14	18 16	0 48	21 13	1 2	22 42	1 20	18 42	18 27	13 17			n.a.
T 23	23 8	2n45	4 57	15 29	2 42	12 11	5 12	20 24	1 5	24 19	0 43	18 28	2 15	18 16	0 48	21 13	1 2	22 42	1 20	18 42	18 28	13 19			n.a.
F 24	23 2	6 55	5 12	15 11	2 52	11 59	5 25	20 14	1 4	24 19	0 43	18 30	2 15	18 17	0 48	21 12	1 2	22 42	1 21	18 42	18 29	13 21			n.a.
S 25	22 55	10 48	5 13	14 54	3 2	11 47	5 38	20 4	1 4	24 18	0 43	18 31	2 15	18 18	0 48	21 12	1 2	22 41	1 21	18 42	18 30	13 23			n.a.
S 26	22 48	14 16	5 2	14 39	3 11	11 36	5 51	19 53	1 4	24 17	0 43	18 32	2 15	18 18	0 49	21 11	1 2	22 41	1 21	18 43	18 31	13 25			n.a.
M27	22 40	17 10	4 37	14 25	3 20	11 25	6 4	19 42	1 3	24 16	0 43	18 34	2 15	18 19	0 49	21 11	1 2	22 41	1 21	18 44	18 32	13 27			n.a.
T 28	22 32	19 21	4 0	14 13	3 28	11 15	6 16	19 32	1 3	24 15	0 43	18 35	2 16	18 19	0 49	21 10	1 2	22 41	1 21	18 45	18 33	13 29			n.a.
W29	22 24	20 42	3 11	14 4	3 36	11 6	6 29	19 21	1 2	24 15	0 44	18 36	2 16	18 20	0 49	21 10	1 2	22 41	1 21	18 46	18 33	13 31			n.a.
T 30	22 15	21 5	2 13	13 56	3 44	10 58	6 41	19 9	1 2	24 14	0 44	18 38	2 16	18 21	0 49	21 9	1 2	22 41	1 21	18 46	18 34	13 33			n.a.
F 31	22n 6	20n25	1s 8	13n52	3s50	10n51	6s53	18n58	1n 2	24n13	0n44	18s39	2s16	18s21	0s49	21n 9	1n 2	22s41	1s21	18n46	18n35	13n35			n.a.

Julian Day Number = 1105427.5, Delta T = 10h58m12s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'13, Lahiri = -27°13'12 Julian Calendar 1 July 1687 BCE == Greg. Calendar 17 June 1687 BCE

The year -1686 astronomical counting style corresponds to year 1687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

AUGUST 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 38 49	22♋43'12	7♌49	11°R42	11°R55	11♌ 0	10♋28	15°R26	11°R44	1♌49	4°R 2	7°D22	8♌ 3	21♉23	n.a.	S 1
S 2	19 42 45	23°41'46	20°47	11♌24	11♌35	11°39	10°41	15♒22	11♒42	1°52	4♐ 1	7♌23	8° 0	21°30	n.a.	S 2
M 3	19 46 42	24°40'22	3♍59	10°59	11°12	12°19	10°54	15°17	11°39	1°54	4° 0	7°23	7°56	21°36	n.a.	M 3
T 4	19 50 38	25°39'00	17°24	10°27	10°48	12°59	11° 7	15°13	11°37	1°56	3°59	7°25	7°53	21°43	n.a.	T 4
W 5	19 54 35	26°37'40	1♎ 2	9°48	10°22	13°39	11°19	15° 9	11°35	1°58	3°59	7°25	7°50	21°50	n.a.	W 5
T 6	19 58 31	27°36'21	14°53	9° 3	9°53	14°19	11°32	15° 4	11°32	2° 1	3°58	7°26	7°47	21°57	n.a.	T 6
F 7	20 2 28	28°35'05	28°55	8°13	9°23	14°59	11°45	15° 0	11°30	2° 3	3°57	7°R26	7°44	22° 3	n.a.	F 7
S 8	20 6 24	29°33'50	13♏ 9	7°17	8°52	15°39	11°58	14°55	11°28	2° 5	3°57	7°26	7°40	22°10	n.a.	S 8
S 9	20 10 21	0♌32'37	27°31	6°16	8°19	16°19	12°11	14°51	11°25	2° 7	3°56	7°26	7°37	22°17	n.a.	S 9
M10	20 14 17	1°31'26	11♐57	5°13	7°45	17° 0	12°24	14°46	11°23	2° 9	3°55	7°25	7°34	22°23	n.a.	M10
T 11	20 18 14	2°30'17	26°24	4° 8	7°10	17°40	12°36	14°41	11°21	2°12	3°55	7°24	7°31	22°30	n.a.	T 11
W12	20 22 11	3°29'10	10♑47	3° 2	6°34	18°20	12°49	14°37	11°18	2°14	3°54	7°24	7°28	22°37	n.a.	W12
T 13	20 26 7	4°28'05	25° 0	1°59	5°57	19° 0	13° 2	14°32	11°16	2°16	3°54	7°24	7°25	22°44	n.a.	T 13
F 14	20 30 4	5°27'02	8♒59	0°58	5°21	19°41	13°14	14°28	11°14	2°18	3°53	7°D24	7°21	22°50	n.a.	F 14
S 15	20 34 0	6°26'01	22°41	0° 1	4°44	20°21	13°27	14°23	11°11	2°21	3°52	7°24	7°18	22°57	n.a.	S 15
S 16	20 37 57	7°25'03	6♓ 2	29♋11	4° 8	21° 2	13°39	14°18	11° 9	2°23	3°52	7°R24	7°15	23° 4	n.a.	S 16
M17	20 41 53	8°24'06	19° 3	28°29	3°32	21°42	13°52	14°13	11° 6	2°25	3°52	7°24	7°12	23°10	n.a.	M17
T 18	20 45 50	9°23'13	1♈44	27°55	2°56	22°23	14° 4	14° 9	11° 4	2°27	3°51	7°23	7° 9	23°17	n.a.	T 18
W19	20 49 46	10°22'21	14° 7	27°30	2°22	23° 3	14°17	14° 4	11° 1	2°30	3°51	7°23	7° 6	23°24	n.a.	W19
T 20	20 53 43	11°21'32	26°17	27°16	1°49	23°44	14°29	13°59	10°59	2°32	3°50	7°23	7° 2	23°31	n.a.	T 20
F 21	20 57 39	12°20'46	8♉16	27°D12	1°17	24°25	14°42	13°54	10°57	2°34	3°50	7°D23	6°59	23°37	n.a.	F 21
S 22	21 1 36	13°20'02	20° 9	27°18	0°47	25° 5	14°54	13°49	10°54	2°36	3°50	7°23	6°56	23°44	n.a.	S 22
S 23	21 5 33	14°19'20	2♊ 2	27°35	0°18	25°46	15° 6	13°45	10°52	2°38	3°50	7°23	6°53	23°51	n.a.	S 23
M24	21 9 29	15°18'41	13°58	28° 2	29♋51	26°27	15°18	13°40	10°49	2°41	3°49	7°24	6°50	23°57	n.a.	M24
T 25	21 13 26	16°18'05	26° 3	28°38	29°26	27° 8	15°31	13°35	10°47	2°43	3°49	7°25	6°46	24° 4	n.a.	T 25
W26	21 17 22	17°17'31	8♋19	29°23	29° 4	27°49	15°43	13°30	10°45	2°45	3°49	7°26	6°43	24°11	n.a.	W26
T 27	21 21 19	18°16'59	20°50	0♌17	28°43	28°30	15°55	13°26	10°42	2°47	3°49	7°26	6°40	24°18	n.a.	T 27
F 28	21 25 15	19°16'29	3♌37	1°17	28°25	29°11	16° 7	13°21	10°40	2°49	3°49	7°R27	6°37	24°24	n.a.	F 28
S 29	21 29 12	20°16'02	16°42	2°25	28° 9	29°52	16°19	13°16	10°37	2°51	3°48	7°27	6°34	24°31	n.a.	S 29
S 30	21 33 8	21°15'37	0♍ 5	3°39	27°56	0♍33	16°31	13°11	10°35	2°54	3°48	7°26	6°31	24°38	n.a.	S 30
M31	21 37 5	22♌15'14	13♍43	4♌57	27♋45	1♍15	16♋42	13♒ 7	10♒33	2♌56	3♐48	7♌24	6♌27	24♉44	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n56	18n42	0n 2	13n49	3s56	10n45	7s 5	18n47	1n 1	24n12	0n44	18s41	2s16	18s22	0s49	21n 8	1n 2	22s41	1s21	18n46	18n36	13n37		n.a.
S 2	21 46	16 0	1 14	13 50	4 0	10 39	7 16	18 35	1 1	24 11	0 44	18 42	2 16	18 23	0 49	21 8	1 2	22 40	1 21	18 46	18 37	13 39		n.a.
M 3	21 36	12 26	2 22	13 54	4 4	10 35	7 27	18 23	1 0	24 10	0 44	18 44	2 17	18 23	0 49	21 7	1 2	22 40	1 21	18 46	18 38	13 41		n.a.
T 4	21 25	8 11	3 24	14 1	4 6	10 31	7 37	18 11	1 0	24 9	0 44	18 45	2 17	18 24	0 49	21 7	1 2	22 40	1 21	18 46	18 38	13 43		n.a.
W 5	21 13	3 28	4 15	14 11	4 6	10 29	7 47	17 59	1 0	24 8	0 44	18 46	2 17	18 25	0 49	21 6	1 2	22 40	1 21	18 46	18 39	13 45		n.a.
T 6	21 2	1s29	4 53	14 24	4 5	10 27	7 56	17 47	0 59	24 7	0 44	18 48	2 17	18 25	0 49	21 6	1 2	22 40	1 21	18 45	18 40	13 47		n.a.
F 7	20 50	6 25	5 13	14 40	4 2	10 27	8 5	17 35	0 59	24 6	0 45	18 49	2 17	18 26	0 49	21 5	1 2	22 40	1 21	18 45	18 41	13 49		n.a.
S 8	20 37	11 4	5 15	14 59	3 57	10 27	8 13	17 22	0 59	24 5	0 45	18 51	2 17	18 27	0 49	21 5	1 2	22 40	1 21	18 45	18 42	13 50		n.a.
S 9	20 25	15 9	4 58	15 21	3 49	10 29	8 20	17 10	0 58	24 4	0 45	18 52	2 18	18 27	0 49	21 4	1 2	22 40	1 22	18 46	18 43	13 52		n.a.
M10	20 12	18 20	4 21	15 46	3 40	10 31	8 26	16 57	0 58	24 3	0 45	18 54	2 18	18 28	0 49	21 4	1 2	22 40	1 22	18 46	18 43	13 54		n.a.
T 11	19 58	20 22	3 28	16 12	3 29	10 35	8 32	16 44	0 57	24 2	0 45	18 55	2 18	18 29	0 49	21 3	1 2	22 40	1 22	18 46	18 44	13 56		n.a.
W12	19 44	21 5	2 22	16 40	3 16	10 39	8 37	16 31	0 57	24 0	0 45	18 57	2 18	18 29	0 49	21 3	1 2	22 40	1 22	18 46	18 45	13 58		n.a.
T 13	19 30	20 25	1 8	17 9	3 1	10 44	8 40	16 18	0 56	23 59	0 45	18 58	2 18	18 30	0 49	21 2	1 2	22 40	1 22	18 46	18 46	14 0		n.a.
F 14	19 16	18 29	0s 9	17 38	2 45	10 50	8 43	16 5	0 56	23 58	0 45	19 0	2 18	18 31	0 49	21 2	1 2	22 40	1 22	18 46	18 47	14 2		n.a.
S 15	19 1	15 32	1 24	18 8	2 27	10 57	8 45	15 51	0 56	23 57	0 46	19 1	2 18	18 31	0 49	21 1	1 2	22 40	1 22	18 46	18 48	14 4		n.a.
S 16	18 46	11 49	2 32	18 37	2 9	11 4	8 46	15 38	0 55	23 56	0 46	19 3	2 18	18 32	0 49	21 1	1 2	22 40	1 22	18 46	18 48	14 6		n.a.
M17	18 30	7 38	3 31	19 4	1 49	11 12	8 46	15 24	0 55	23 55	0 46	19 4	2 18	18 33	0 49	21 0	1 2	22 40	1 22	18 46	18 49	14 8		n.a.
T 18	18 14	3 14	4 18	19 30	1 30	11 21	8 45	15 10	0 54	23 54	0 46	19 6	2 18	18 34	0 49	21 0	1 2	22 40	1 22	18 46	18 50	14 10		n.a.
W19	17 58	1n12	4 51	19 54	1 10	11 31	8 43	14 56	0 54	23 52	0 46	19 7	2 19	18 34	0 49	20 59	1 2	22 39	1 22	18 46	18 51	14 12		n.a.
T 20	17 42	5 30	5 11	20 16	0 51	11 41	8 40	14 42	0 53	23 51	0 46	19 9	2 19	18 35	0 49	20 59	1 2	22 39	1 22	18 46	18 52	14 13		n.a.
F 21	17 25	9 32	5 17	20 35	0 32	11 51	8 36	14 28	0 53	23 50	0 46	19 10	2 19	18 36	0 49	20 58	1 2	22 39	1 22	18 46	18 52	14 15		n.a.
S 22	17 8	13 9	5 9	20 51	0 14	12 2	8 32	14 13	0 53	23 49	0 47	19 12	2 19	18 36	0 49	20 58	1 2	22 39	1 22	18 46	18 53	14 17		n.a.
S 23	16 50	16 15	4 48	21 5	0n 3	12 13	8 27	13 59	0 52	23 47	0 47	19 13	2 19	18 37	0 49	20 57	1 2	22 39	1 22	18 46	18 54	14 19		n.a.
M24	16 33	18 41	4 15	21 15	0 19	12 25	8 20	13 44	0 52	23 46	0 47	19 15	2 19	18 38	0 49	20 57	1 2	22 39	1 22	18 46	18 55	14 21		n.a.
T 25	16 15	20 20	3 30	21 22	0 34	12 36	8 14	13 30	0 51	23 45	0 47	19 16	2 19	18 38	0 49	20 56	1 2	22 39	1 22	18 46	18 56	14 23		n.a.
W26	15 57	21 3	2 34	21 26	0 47	12 48	8 6	13 15	0 51	23 43	0 47	19 18	2 19	18 39	0 49	20 56	1 2	22 39	1 22	18 46	18 57	14 25		n.a.
T 27	15 38	20 45	1 31	21 26	0 59	13 0	7 58	13 0	0 50	23 42	0 47	19 19	2 19	18 40	0 49	20 55	1 3	22 39	1 22	18 45	18 57	14 27		n.a.
F 28	15 19	19 22	0 21	21 23	1 10	13 12	7 50	12 45	0 50	23 41	0 47	19 21	2 19	18 40	0 49	20 55	1 3	22 40	1 23	18 45	18 58	14 29		n.a.
S 29	15 0	16 56	0n51	21 17	1 20	13 24	7 41	12 30	0 49	23 40	0 48	19 22	2 19	18 41	0 49	20 54	1 3	22 40	1 23	18 45	18 59	14 31		n.a.
S 30	14 41	13 33	2 2	21 8	1 29	13 36	7 31	12 15	0 49	23 38	0 48	19 23	2 19	18 42	0 49	20 54	1 3	22 40	1 23	18 46	19 0	14 32		n.a.
M31	14n21	9n23	3n 7	20n56	1n36	13n47	7s21	11n59	0n48	23n37	0n48	19s25	2s19	18s42	0s49	20n53	1n 3	22s40	1s23	18n46	19n 1	14n34		n.a.

Julian Day Number = 1105458.5, Delta T = 10h58m10s
Ecliptic obliquity = 23°53'22, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'09, Lahiri = -27°13'08 Julian Calendar 1 Aug. 1687 BCE == Greg. Calendar 18 July 1687 BCE

The year -1686 astronomical counting style corresponds to year 1687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

SEPTEMBER 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 41 1	23♌14'53	27♍34	6♌21	27°R36	1♍56	16♋54	13°R 2	10°R30	2♌58	3°D48	7°R22	6♌24	24♉51	n.a.	T 1
W 2	21 44 58	24°14'35	11♎36	7°48	27♋30	2°37	17° 6	12♒57	10♒28	3° 0	3♐48	7♌20	6°21	24°58	n.a.	W 2
T 3	21 48 55	25°14'18	25°45	9°18	27°26	3°19	17°18	12°53	10°26	3° 2	3°48	7°18	6°18	25° 5	n.a.	T 3
F 4	21 52 51	26°14'03	9♏57	10°51	27°D25	4° 0	17°29	12°48	10°23	3° 4	3°48	7°16	6°15	25°11	n.a.	F 4
S 5	21 56 48	27°13'50	24°10	12°26	27°26	4°41	17°41	12°43	10°21	3° 6	3°49	7°D16	6°11	25°18	n.a.	S 5
S 6	22 0 44	28°13'38	8♐21	14° 4	27°29	5°23	17°52	12°39	10°19	3° 8	3°49	7°16	6° 8	25°25	n.a.	S 6
M 7	22 4 41	29°13'29	22°28	15°42	27°35	6° 5	18° 3	12°34	10°17	3°10	3°49	7°17	6° 5	25°32	n.a.	M 7
T 8	22 8 37	0♍13'21	6♑30	17°22	27°43	6°46	18°15	12°30	10°14	3°12	3°49	7°18	6° 2	25°38	n.a.	T 8
W 9	22 12 34	1°13'16	20°24	19° 2	27°53	7°28	18°26	12°26	10°12	3°14	3°49	7°20	5°59	25°45	n.a.	W 9
T 10	22 16 30	2°13'12	4♒ 9	20°43	28° 5	8°10	18°37	12°21	10°10	3°16	3°50	7°R21	5°56	25°52	n.a.	T 10
F 11	22 20 27	3°13'10	17°43	22°25	28°20	8°51	18°48	12°17	10° 8	3°18	3°50	7°20	5°52	25°58	n.a.	F 11
S 12	22 24 24	4°13'10	1♓ 4	24° 6	28°36	9°33	18°59	12°13	10° 6	3°20	3°50	7°19	5°49	26° 5	n.a.	S 12
S 13	22 28 20	5°13'12	14°10	25°48	28°55	10°15	19°10	12° 8	10° 3	3°22	3°50	7°15	5°46	26°12	n.a.	S 13
M14	22 32 17	6°13'16	27° 2	27°30	29°15	10°57	19°21	12° 4	10° 1	3°24	3°51	7°11	5°43	26°19	n.a.	M14
T 15	22 36 13	7°13'22	9♈37	29°11	29°38	11°39	19°32	12° 0	9°59	3°26	3°51	7° 6	5°40	26°25	n.a.	T 15
W16	22 40 10	8°13'31	21°59	0♍53	0♌ 2	12°21	19°42	11°56	9°57	3°28	3°52	7° 0	5°37	26°32	n.a.	W16
T 17	22 44 6	9°13'41	4♉ 7	2°34	0°28	13° 3	19°53	11°52	9°55	3°30	3°52	6°55	5°33	26°39	n.a.	T 17
F 18	22 48 3	10°13'54	16° 6	4°15	0°55	13°45	20° 3	11°48	9°53	3°32	3°53	6°51	5°30	26°45	n.a.	F 18
S 19	22 51 59	11°14'09	27°59	5°55	1°25	14°27	20°14	11°44	9°51	3°34	3°53	6°49	5°27	26°52	n.a.	S 19
S 20	22 55 56	12°14'27	9♊51	7°35	1°56	15°10	20°24	11°41	9°49	3°36	3°54	6°D48	5°24	26°59	n.a.	S 20
M21	22 59 52	13°14'46	21°46	9°15	2°28	15°52	20°34	11°37	9°47	3°38	3°54	6°48	5°21	27° 6	n.a.	M21
T 22	23 3 49	14°15'08	3♋49	10°54	3° 2	16°34	20°45	11°33	9°45	3°39	3°55	6°50	5°17	27°12	n.a.	T 22
W23	23 7 46	15°15'32	16° 5	12°33	3°37	17°17	20°55	11°30	9°44	3°41	3°56	6°51	5°14	27°19	n.a.	W23
T 24	23 11 42	16°15'58	28°39	14°11	4°14	17°59	21° 5	11°26	9°42	3°43	3°56	6°53	5°11	27°26	n.a.	T 24
F 25	23 15 39	17°16'26	11♌35	15°49	4°52	18°41	21°14	11°23	9°40	3°45	3°57	6°R53	5° 8	27°32	n.a.	F 25
S 26	23 19 35	18°16'56	24°53	17°27	5°31	19°24	21°24	11°19	9°38	3°46	3°58	6°51	5° 5	27°39	n.a.	S 26
S 27	23 23 32	19°17'27	8♍35	19° 4	6°11	20° 7	21°34	11°16	9°37	3°48	3°58	6°48	5° 2	27°46	n.a.	S 27
M28	23 27 28	20°18'01	22°39	20°41	6°53	20°49	21°43	11°13	9°35	3°50	3°59	6°42	4°58	27°53	n.a.	M28
T 29	23 31 25	21°18'36	6♎59	22°18	7°36	21°32	21°53	11°10	9°33	3°51	4° 0	6°35	4°55	27°59	n.a.	T 29
W30	23 35 21	22♍19'13	21♎31	23♍54	8♌19	22♍15	22♋ 2	11♒ 7	9♒32	3♌53	4♐ 1	6♌28	4♌52	28♉ 6	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n 1	4n41	4n 3	20n41	1n42	13n59	7s11	11n44	0n48	23n36	0n48	19s26	2s19	18s43	0s49	20n53	1n 3	22s40	1s23	18n46	19n 1	14n36		n.a.
W 2	13 41	0s19	4 44	20 23	1 47	14 11	7 1	11 28	0 48	23 34	0 48	19 28	2 19	18 44	0 49	20 52	1 3	22 40	1 23	18 47	19 2	14 38		n.a.
T 3	13 21	5 21	5 9	20 3	1 51	14 22	6 50	11 13	0 47	23 33	0 48	19 29	2 19	18 44	0 49	20 52	1 3	22 40	1 23	18 48	19 3	14 40		n.a.
F 4	13 0	10 6	5 15	19 40	1 54	14 33	6 39	10 57	0 47	23 31	0 49	19 30	2 19	18 45	0 49	20 51	1 3	22 40	1 23	18 48	19 4	14 42		n.a.
S 5	12 40	14 18	5 2	19 15	1 56	14 44	6 28	10 41	0 46	23 30	0 49	19 32	2 19	18 45	0 49	20 51	1 3	22 40	1 23	18 48	19 5	14 44		n.a.
S 6	12 19	17 40	4 30	18 48	1 58	14 54	6 17	10 25	0 46	23 29	0 49	19 33	2 19	18 46	0 49	20 50	1 3	22 40	1 23	18 48	19 5	14 46		n.a.
M 7	11 58	19 58	3 42	18 18	1 58	15 4	6 5	10 9	0 45	23 27	0 49	19 34	2 19	18 47	0 49	20 50	1 3	22 40	1 23	18 48	19 6	14 47		n.a.
T 8	11 36	21 2	2 42	17 47	1 58	15 14	5 54	9 53	0 45	23 26	0 49	19 36	2 19	18 47	0 49	20 49	1 3	22 40	1 23	18 47	19 7	14 49		n.a.
W 9	11 15	20 48	1 32	17 15	1 57	15 23	5 42	9 37	0 44	23 25	0 49	19 37	2 19	18 48	0 49	20 49	1 3	22 40	1 23	18 47	19 8	14 51		n.a.
T 10	10 53	19 18	0 18	16 41	1 56	15 32	5 31	9 20	0 44	23 23	0 50	19 38	2 19	18 48	0 49	20 48	1 3	22 40	1 23	18 47	19 9	14 53		n.a.
F 11	10 31	16 43	0s57	16 5	1 54	15 41	5 19	9 4	0 43	23 22	0 50	19 39	2 19	18 49	0 49	20 48	1 3	22 40	1 23	18 47	19 9	14 55		n.a.
S 12	10 9	13 16	2 6	15 29	1 51	15 49	5 7	8 47	0 43	23 20	0 50	19 40	2 19	18 50	0 49	20 48	1 3	22 41	1 23	18 47	19 10	14 57		n.a.
S 13	9 46	9 14	3 8	14 51	1 48	15 56	4 56	8 31	0 42	23 19	0 50	19 42	2 19	18 50	0 49	20 47	1 3	22 41	1 23	18 48	19 11	14 59		n.a.
M14	9 24	4 51	3 59	14 12	1 45	16 3	4 44	8 14	0 42	23 18	0 50	19 43	2 19	18 51	0 49	20 47	1 3	22 41	1 23	18 49	19 12	15 1		n.a.
T 15	9 1	0 21	4 37	13 33	1 41	16 10	4 33	7 57	0 41	23 16	0 51	19 44	2 19	18 51	0 49	20 46	1 3	22 41	1 23	18 51	19 13	15 2		n.a.
W16	8 38	4n 4	5 1	12 52	1 37	16 16	4 22	7 41	0 41	23 15	0 51	19 45	2 19	18 52	0 49	20 46	1 3	22 41	1 23	18 52	19 13	15 4		n.a.
T 17	8 15	8 15	5 11	12 11	1 32	16 21	4 10	7 24	0 40	23 13	0 51	19 46	2 19	18 52	0 49	20 45	1 3	22 41	1 24	18 53	19 14	15 6		n.a.
F 18	7 52	12 4	5 8	11 30	1 28	16 26	3 59	7 7	0 40	23 12	0 51	19 47	2 19	18 53	0 48	20 45	1 3	22 41	1 24	18 54	19 15	15 8		n.a.
S 19	7 29	15 22	4 51	10 47	1 23	16 31	3 48	6 50	0 39	23 11	0 51	19 48	2 19	18 53	0 48	20 45	1 3	22 41	1 24	18 55	19 16	15 10		n.a.
S 20	7 6	18 2	4 22	10 5	1 17	16 34	3 37	6 33	0 39	23 9	0 51	19 49	2 18	18 54	0 48	20 44	1 3	22 42	1 24	18 55	19 17	15 12		n.a.
M21	6 42	19 57	3 41	9 22	1 12	16 38	3 27	6 16	0 38	23 8	0 52	19 50	2 18	18 54	0 48	20 44	1 3	22 42	1 24	18 55	19 17	15 13		n.a.
T 22	6 19	21 0	2 50	8 38	1 6	16 40	3 16	5 58	0 37	23 7	0 52	19 51	2 18	18 55	0 48	20 43	1 3	22 42	1 24	18 55	19 18	15 15		n.a.
W23	5 55	21 4	1 51	7 54	1 1	16 42	3 5	5 41	0 37	23 5	0 52	19 52	2 18	18 55	0 48	20 43	1 3	22 42	1 24	18 54	19 19	15 17		n.a.
T 24	5 31	20 5	0 45	7 10	0 55	16 44	2 55	5 24	0 36	23 4	0 52	19 53	2 18	18 56	0 48	20 43	1 3	22 42	1 24	18 54	19 20	15 19		n.a.
F 25	5 7	18 3	0n25	6 26	0 49	16 45	2 45	5 6	0 36	23 2	0 52	19 54	2 18	18 56	0 48	20 42	1 3	22 42	1 24	18 54	19 21	15 21		n.a.
S 26	4 43	14 59	1 36	5 42	0 43	16 45	2 35	4 49	0 35	23 1	0 53	19 55	2 18	18 57	0 48	20 42	1 3	22 43	1 24	18 54	19 21	15 23		n.a.
S 27	4 19	11 1	2 43	4 58	0 36	16 44	2 25	4 31	0 35	23 0	0 53	19 55	2 18	18 57	0 48	20 41	1 3	22 43	1 24	18 55	19 22	15 25		n.a.
M28	3 55	6 21	3 42	4 13	0 30	16 43	2 15	4 14	0 34	22 58	0 53	19 56	2 18	18 58	0 48	20 41	1 3	22 43	1 24	18 57	19 23	15 26		n.a.
T 29	3 30	1 16	4 28	3 28	0 24	16 42	2 6	3 56	0 34	22 57	0 53	19 57	2 18	18 58	0 48	20 41	1 3	22 43	1 24	18 59	19 24	15 28		n.a.
W30	3n 6	3s57	4n57	2n44	0n17	16n39	1s56	3n38	0n33	22n56	0n54	19s58	2s17	18s59	0s48	20n40	1n 4	22s43	1s24	19n 1	19n24	15n30		n.a.

Julian Day Number = 1105489.5, Delta T = 10h58m08s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'04, Lahiri = -27°13'04 Julian Calendar 1 Sept. 1687 BCE == Greg. Calendar 18 Aug. 1687 BCE

The year -1686 astronomical counting style corresponds to year 1687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

OCTOBER 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 39 18	23♍19'52	6♏ 7	25♍29	9♌ 4	22♍57	22♋11	11°R 4	9°R30	3♌55	4♐ 2	6°R20	4♌49	28♉13	n.a.	T 1
F 2	23 43 14	24°20'32	20°40	27° 5	9°50	23°40	22°20	11♒ 1	9♒29	3°56	4° 3	6♌14	4°46	28°19	n.a.	F 2
S 3	23 47 11	25°21'13	5♐ 5	28°40	10°37	24°23	22°29	10°59	9°27	3°58	4° 3	6°10	4°43	28°26	n.a.	S 3
S 4	23 51 8	26°21'56	19°19	0♎15	11°24	25° 6	22°38	10°56	9°26	3°59	4° 4	6° 9	4°39	28°33	n.a.	S 4
M 5	23 55 4	27°22'40	3♑19	1°49	12°13	25°49	22°47	10°53	9°24	4° 1	4° 5	6°D 9	4°36	28°39	n.a.	M 5
T 6	23 59 1	28°23'25	17° 6	3°24	13° 2	26°32	22°55	10°51	9°23	4° 2	4° 6	6° 9	4°33	28°46	n.a.	T 6
W 7	0 2 57	29°24'12	0♒39	4°58	13°53	27°15	23° 4	10°49	9°22	4° 4	4° 7	6°R10	4°30	28°53	n.a.	W 7
T 8	0 6 54	0♎25'00	13°59	6°32	14°44	27°58	23°12	10°46	9°20	4° 5	4° 8	6°10	4°27	29° 0	n.a.	T 8
F 9	0 10 50	1°25'49	27° 8	8° 5	15°36	28°41	23°20	10°44	9°19	4° 7	4°10	6° 8	4°23	29° 6	n.a.	F 9
S 10	0 14 47	2°26'39	10♓ 6	9°39	16°28	29°25	23°29	10°42	9°18	4° 8	4°11	6° 3	4°20	29°13	n.a.	S 10
S 11	0 18 43	3°27'30	22°52	11°12	17°22	0♎ 8	23°37	10°40	9°17	4° 9	4°12	5°56	4°17	29°20	n.a.	S 11
M12	0 22 40	4°28'23	5♈28	12°45	18°16	0°51	23°44	10°38	9°16	4°11	4°13	5°46	4°14	29°26	n.a.	M12
T 13	0 26 37	5°29'17	17°53	14°18	19°10	1°35	23°52	10°37	9°15	4°12	4°14	5°35	4°11	29°33	n.a.	T 13
W14	0 30 33	6°30'13	0♉ 8	15°50	20° 6	2°18	24° 0	10°35	9°14	4°13	4°15	5°23	4° 8	29°40	n.a.	W14
T 15	0 34 30	7°31'10	12°12	17°23	21° 2	3° 2	24° 7	10°33	9°13	4°14	4°17	5°11	4° 4	29°47	n.a.	T 15
F 16	0 38 26	8°32'08	24° 9	18°55	21°58	3°45	24°15	10°32	9°12	4°16	4°18	5° 1	4° 1	29°53	n.a.	F 16
S 17	0 42 23	9°33'08	6♊ 0	20°27	22°55	4°29	24°22	10°31	9°11	4°17	4°19	4°53	3°58	0♊ 0	n.a.	S 17
S 18	0 46 19	10°34'09	17°50	21°59	23°53	5°12	24°29	10°30	9°10	4°18	4°20	4°48	3°55	0° 7	n.a.	S 18
M19	0 50 16	11°35'12	29°42	23°31	24°52	5°56	24°36	10°28	9° 9	4°19	4°22	4°45	3°52	0°13	n.a.	M19
T 20	0 54 12	12°36'16	11♋41	25° 3	25°50	6°40	24°42	10°27	9° 9	4°20	4°23	4°D44	3°48	0°20	n.a.	T 20
W21	0 58 9	13°37'21	23°54	26°34	26°50	7°23	24°49	10°27	9° 8	4°21	4°24	4°45	3°45	0°27	n.a.	W21
T 22	1 2 6	14°38'28	6♌24	28° 6	27°49	8° 7	24°55	10°26	9° 7	4°22	4°26	4°R45	3°42	0°34	n.a.	T 22
F 23	1 6 2	15°39'36	19°18	29°37	28°50	8°51	25° 2	10°25	9° 7	4°23	4°27	4°44	3°39	0°40	n.a.	F 23
S 24	1 9 59	16°40'45	2♍39	1♏ 7	29°50	9°35	25° 8	10°25	9° 6	4°24	4°29	4°41	3°36	0°47	n.a.	S 24
S 25	1 13 55	17°41'55	16°28	2°38	0♍52	10°19	25°14	10°24	9° 6	4°25	4°30	4°35	3°33	0°54	n.a.	S 25
M26	1 17 52	18°43'06	0♎45	4° 8	1°53	11° 3	25°20	10°24	9° 5	4°26	4°32	4°27	3°29	1° 0	n.a.	M26
T 27	1 21 48	19°44'19	15°26	5°37	2°55	11°47	25°25	10°24	9° 5	4°27	4°33	4°16	3°26	1° 7	n.a.	T 27
W28	1 25 45	20°45'32	0♏22	7° 6	3°58	12°31	25°31	10°D24	9° 5	4°28	4°35	4° 4	3°23	1°14	n.a.	W28
T 29	1 29 41	21°46'45	15°25	8°34	5° 0	13°15	25°36	10°24	9° 4	4°29	4°36	3°53	3°20	1°20	n.a.	T 29
F 30	1 33 38	22°48'00	0♐25	10° 2	6° 4	14° 0	25°41	10°24	9° 4	4°29	4°38	3°43	3°17	1°27	n.a.	F 30
S 31	1 37 35	23♎49'15	15♐12	11♏28	7♍ 7	14♎44	25♋46	10♒24	9♒ 4	4♌30	4♐39	3♌36	3♌14	1♊34	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	2n42	8s59	5n 8	1n59	0n11	16n36	1s47	3n21	0n33	22n54	0n54	19s58	2s17	18s59	0s48	20n40	1n 4	22s44	1s24	19n 2	19n25	15n32			n.a.
F 2	2 17	13 28	4 58	1 15	0 4	16 33	1 38	3 3	0 32	22 53	0 54	19 59	2 17	18 59	0 48	20 40	1 4	22 44	1 24	19 4	19 26	15 34			n.a.
S 3	1 53	17 8	4 30	0 30	0s 2	16 29	1 29	2 45	0 31	22 52	0 54	20 0	2 17	19 0	0 48	20 39	1 4	22 44	1 24	19 5	19 27	15 35			n.a.
S 4	1 28	19 43	3 45	0s14	0 9	16 24	1 20	2 27	0 31	22 51	0 54	20 0	2 17	19 0	0 48	20 39	1 4	22 44	1 24	19 5	19 28	15 37			n.a.
M 5	1 4	21 4	2 47	0 58	0 15	16 18	1 12	2 9	0 30	22 49	0 55	20 1	2 17	19 0	0 48	20 39	1 4	22 45	1 24	19 5	19 28	15 39			n.a.
T 6	0 39	21 6	1 41	1 42	0 22	16 12	1 3	1 51	0 30	22 48	0 55	20 2	2 17	19 1	0 48	20 38	1 4	22 45	1 24	19 5	19 29	15 41			n.a.
W 7	0 15	19 54	0 30	2 26	0 28	16 5	0 55	1 33	0 29	22 47	0 55	20 2	2 17	19 1	0 48	20 38	1 4	22 45	1 24	19 5	19 30	15 43			n.a.
T 8	0s10	17 36	0s42	3 10	0 34	15 58	0 47	1 15	0 29	22 46	0 55	20 3	2 16	19 1	0 48	20 38	1 4	22 45	1 25	19 5	19 31	15 45			n.a.
F 9	0 35	14 25	1 50	3 53	0 41	15 50	0 39	0 57	0 28	22 44	0 56	20 3	2 16	19 2	0 48	20 37	1 4	22 46	1 25	19 5	19 31	15 46			n.a.
S 10	0 59	10 33	2 51	4 36	0 47	15 42	0 32	0 39	0 27	22 43	0 56	20 3	2 16	19 2	0 48	20 37	1 4	22 46	1 25	19 7	19 32	15 48			n.a.
S 11	1 24	6 17	3 43	5 19	0 53	15 32	0 24	0 21	0 27	22 42	0 56	20 4	2 16	19 2	0 48	20 37	1 4	22 46	1 25	19 9	19 33	15 50			n.a.
M12	1 49	1 47	4 22	6 2	0 59	15 22	0 17	0 3	0 26	22 41	0 56	20 4	2 16	19 3	0 48	20 37	1 4	22 46	1 25	19 11	19 34	15 52			n.a.
T 13	2 13	2n42	4 49	6 44	1 5	15 12	0 10	0s15	0 26	22 40	0 57	20 5	2 16	19 3	0 48	20 36	1 4	22 47	1 25	19 14	19 34	15 54			n.a.
W14	2 38	7 1	5 2	7 26	1 11	15 1	0 3	0 33	0 25	22 39	0 57	20 5	2 16	19 3	0 48	20 36	1 4	22 47	1 25	19 17	19 35	15 55			n.a.
T 15	3 2	11 1	5 1	8 8	1 17	14 49	0n 4	0 51	0 24	22 38	0 57	20 5	2 15	19 3	0 48	20 36	1 4	22 47	1 25	19 20	19 36	15 57			n.a.
F 16	3 27	14 32	4 47	8 49	1 22	14 37	0 11	1 9	0 24	22 37	0 57	20 5	2 15	19 3	0 48	20 36	1 4	22 48	1 25	19 22	19 37	15 59			n.a.
S 17	3 51	17 27	4 20	9 29	1 28	14 24	0 17	1 27	0 23	22 36	0 58	20 6	2 15	19 4	0 48	20 35	1 4	22 48	1 25	19 24	19 38	16 1			n.a.
S 18	4 16	19 38	3 43	10 9	1 33	14 11	0 24	1 46	0 23	22 35	0 58	20 6	2 15	19 4	0 48	20 35	1 4	22 48	1 25	19 25	19 38	16 3			n.a.
M19	4 40	20 58	2 55	10 49	1 38	13 57	0 30	2 4	0 22	22 34	0 58	20 6	2 15	19 4	0 48	20 35	1 4	22 48	1 25	19 26	19 39	16 4			n.a.
T 20	5 4	21 23	1 59	11 28	1 43	13 42	0 36	2 22	0 21	22 33	0 58	20 6	2 15	19 4	0 48	20 35	1 4	22 49	1 25	19 26	19 40	16 6			n.a.
W21	5 28	20 47	0 57	12 6	1 48	13 27	0 42	2 40	0 21	22 32	0 59	20 6	2 14	19 4	0 48	20 34	1 4	22 49	1 25	19 26	19 41	16 8			n.a.
T 22	5 53	19 10	0n 9	12 44	1 52	13 12	0 47	2 58	0 20	22 31	0 59	20 6	2 14	19 4	0 47	20 34	1 4	22 49	1 25	19 26	19 41	16 10			n.a.
F 23	6 17	16 31	1 17	13 21	1 56	12 55	0 53	3 16	0 20	22 30	0 59	20 6	2 14	19 5	0 47	20 34	1 4	22 50	1 25	19 26	19 42	16 11			n.a.
S 24	6 40	12 56	2 22	13 57	2 0	12 39	0 58	3 35	0 19	22 29	0 59	20 6	2 14	19 5	0 47	20 34	1 5	22 50	1 25	19 27	19 43	16 13			n.a.
S 25	7 4	8 32	3 22	14 33	2 4	12 21	1 3	3 53	0 18	22 28	1 0	20 6	2 14	19 5	0 47	20 34	1 5	22 50	1 25	19 29	19 44	16 15			n.a.
M26	7 28	3 31	4 11	15 7	2 7	12 4	1 8	4 11	0 18	22 27	1 0	20 6	2 13	19 5	0 47	20 33	1 5	22 51	1 26	19 31	19 44	16 17			n.a.
T 27	7 52	1s49	4 45	15 41	2 10	11 45	1 13	4 29	0 17	22 26	1 0	20 6	2 13	19 5	0 47	20 33	1 5	22 51	1 26	19 33	19 45	16 19			n.a.
W28	8 15	7 8	5 0	16 13	2 12	11 27	1 18	4 47	0 17	22 26	1 0	20 6	2 13	19 5	0 47	20 33	1 5	22 51	1 26	19 36	19 46	16 20			n.a.
T 29	8 38	12 4	4 55	16 45	2 14	11 7	1 22	5 5	0 16	22 25	1 1	20 6	2 13	19 5	0 47	20 33	1 5	22 52	1 26	19 39	19 47	16 22			n.a.
F 30	9 2	16 14	4 29	17 15	2 16	10 48	1 27	5 23	0 15	22 24	1 1	20 5	2 13	19 5	0 47	20 33	1 5	22 52	1 26	19 41	19 47	16 24			n.a.
S 31	9s25	19s19	3n46	17s44	2s17	10n28	1n31	5s41	0n15	22n23	1n 1	20s 5	2s13	19s 5	0s47	20n33	1n 5	22s52	1s26	19n43	19n48	16n26			n.a.

Julian Day Number = 1105519.5, Delta T = 10h58m06s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°20'00, Lahiri = -27°13'00 Julian Calendar 1 Oct. 1687 BCE == Greg. Calendar 17 Sept. 1687 BCE

The year -1686 astronomical counting style corresponds to year 1687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

NOVEMBER 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 41 31	24♎50'30	29♐41	12♏54	8♍11	15♎28	25♋51	10♒24	9°R 4	4♌31	4♐41	3°R31	3♌10	1♊41	n.a.	S 1
M 2	1 45 28	25°51'46	13♑49	14°18	9°15	16°12	25°56	10°25	9♒ 4	4°31	4°42	3♌30	3° 7	1°47	n.a.	M 2
T 3	1 49 24	26°53'02	27°35	15°40	10°19	16°57	26° 0	10°25	9°D 4	4°32	4°44	3°29	3° 4	1°54	n.a.	T 3
W 4	1 53 21	27°54'18	11♒ 0	17° 1	11°24	17°41	26° 5	10°26	9° 4	4°33	4°46	3°29	3° 1	2° 1	n.a.	W 4
T 5	1 57 17	28°55'34	24° 7	18°19	12°29	18°26	26° 9	10°27	9° 4	4°33	4°47	3°28	2°58	2° 7	n.a.	T 5
F 6	2 1 14	29°56'51	6♓59	19°35	13°35	19°10	26°13	10°28	9° 4	4°34	4°49	3°25	2°54	2°14	n.a.	F 6
S 7	2 5 11	0♏58'07	19°38	20°48	14°40	19°55	26°17	10°29	9° 4	4°34	4°51	3°18	2°51	2°21	n.a.	S 7
S 8	2 9 7	1°59'24	2♈ 7	21°57	15°46	20°39	26°20	10°30	9° 5	4°35	4°53	3° 9	2°48	2°28	n.a.	S 8
M 9	2 13 4	3° 0'41	14°27	23° 3	16°52	21°24	26°24	10°31	9° 5	4°35	4°54	2°56	2°45	2°34	n.a.	M 9
T 10	2 17 0	4° 1'58	26°38	24° 4	17°59	22° 8	26°27	10°32	9° 5	4°36	4°56	2°42	2°42	2°41	n.a.	T 10
W11	2 20 57	5° 3'16	8♉43	24°59	19° 5	22°53	26°30	10°34	9° 6	4°36	4°58	2°27	2°39	2°48	n.a.	W11
T 12	2 24 53	6° 4'34	20°42	25°48	20°12	23°38	26°33	10°35	9° 6	4°36	5° 0	2°12	2°35	2°54	n.a.	T 12
F 13	2 28 50	7° 5'52	2♊35	26°31	21°19	24°23	26°36	10°37	9° 7	4°36	5° 1	1°59	2°32	3° 1	n.a.	F 13
S 14	2 32 46	8° 7'10	14°25	27° 5	22°27	25° 8	26°38	10°39	9° 7	4°37	5° 3	1°49	2°29	3° 8	n.a.	S 14
S 15	2 36 43	9° 8'28	26°14	27°31	23°34	25°52	26°41	10°41	9° 8	4°37	5° 5	1°41	2°26	3°14	n.a.	S 15
M16	2 40 40	10° 9'47	8♋ 6	27°47	24°42	26°37	26°43	10°43	9° 8	4°37	5° 7	1°36	2°23	3°21	n.a.	M16
T 17	2 44 36	11°11'06	20° 3	27°R53	25°50	27°22	26°45	10°45	9° 9	4°37	5° 9	1°34	2°19	3°28	n.a.	T 17
W18	2 48 33	12°12'25	2♌13	27°47	26°58	28° 7	26°47	10°47	9°10	4°37	5°10	1°D34	2°16	3°35	n.a.	W18
T 19	2 52 29	13°13'45	14°38	27°30	28° 7	28°52	26°48	10°50	9°11	4°38	5°12	1°R34	2°13	3°41	n.a.	T 19
F 20	2 56 26	14°15'04	27°26	27° 1	29°15	29°38	26°50	10°52	9°12	4°38	5°14	1°33	2°10	3°48	n.a.	F 20
S 21	3 0 22	15°16'24	10♍40	26°20	0♎24	0♏23	26°51	10°54	9°12	4°R38	5°16	1°31	2° 7	3°55	n.a.	S 21
S 22	3 4 19	16°17'43	24°23	25°28	1°33	1° 8	26°52	10°57	9°13	4°38	5°18	1°26	2° 4	4° 1	n.a.	S 22
M23	3 8 16	17°19'03	8♎38	24°27	2°42	1°53	26°53	11° 0	9°14	4°38	5°20	1°18	2° 0	4° 8	n.a.	M23
T 24	3 12 12	18°20'23	23°20	23°17	3°51	2°38	26°54	11° 3	9°15	4°37	5°22	1° 8	1°57	4°15	n.a.	T 24
W25	3 16 9	19°21'42	8♏24	22° 1	5° 1	3°24	26°54	11° 6	9°17	4°37	5°24	0°57	1°54	4°22	n.a.	W25
T 26	3 20 5	20°23'01	23°41	20°42	6°10	4° 9	26°54	11° 9	9°18	4°37	5°26	0°46	1°51	4°28	n.a.	T 26
F 27	3 24 2	21°24'20	8♐59	19°22	7°20	4°54	26°R54	11°12	9°19	4°37	5°27	0°37	1°48	4°35	n.a.	F 27
S 28	3 27 58	22°25'38	24° 7	18° 3	8°29	5°40	26°54	11°15	9°20	4°37	5°29	0°30	1°45	4°42	n.a.	S 28
S 29	3 31 55	23°26'56	8♑56	16°48	9°39	6°25	26°54	11°19	9°22	4°36	5°31	0°25	1°41	4°48	n.a.	S 29
M30	3 35 51	24♏28'13	23♑20	15♏40	10♎49	7♏11	26♋53	11♒22	9♒23	4♌36	5♐33	0♌23	1♌38	4♊55	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s48	21s 5	2n48	18s11	2s18	10n 7	1n35	5s59	0n14	22n23	1n 2	20s 5	2s12	19s 5	0s47	20n33	1n 5	22s53	1s26	19n44	19n49	16n27		n.a.
M 2	10 10	21 28	1 42	18 37	2 18	9 46	1 39	6 17	0 13	22 22	1 2	20 5	2 12	19 5	0 47	20 32	1 5	22 53	1 26	19 44	19 50	16 29		n.a.
T 3	10 33	20 32	0 31	19 2	2 18	9 25	1 42	6 35	0 13	22 22	1 2	20 4	2 12	19 5	0 47	20 32	1 5	22 54	1 26	19 44	19 50	16 31		n.a.
W 4	10 56	18 26	0s40	19 24	2 16	9 3	1 46	6 53	0 12	22 21	1 2	20 4	2 12	19 5	0 47	20 32	1 5	22 54	1 26	19 44	19 51	16 33		n.a.
T 5	11 18	15 24	1 47	19 45	2 14	8 41	1 49	7 11	0 11	22 21	1 3	20 3	2 12	19 5	0 47	20 32	1 5	22 54	1 26	19 45	19 52	16 34		n.a.
F 6	11 40	11 41	2 47	20 4	2 12	8 18	1 53	7 29	0 11	22 20	1 3	20 3	2 11	19 5	0 47	20 32	1 5	22 55	1 26	19 46	19 53	16 36		n.a.
S 7	12 2	7 30	3 38	20 21	2 8	7 55	1 56	7 46	0 10	22 20	1 3	20 3	2 11	19 5	0 47	20 32	1 5	22 55	1 26	19 47	19 53	16 38		n.a.
S 8	12 23	3 4	4 17	20 35	2 4	7 32	1 59	8 4	0 9	22 19	1 4	20 2	2 11	19 5	0 47	20 32	1 5	22 55	1 26	19 49	19 54	16 40		n.a.
M 9	12 45	1n27	4 44	20 47	1 58	7 8	2 2	8 22	0 9	22 19	1 4	20 2	2 11	19 4	0 47	20 32	1 5	22 56	1 26	19 52	19 55	16 41		n.a.
T 10	13 6	5 51	4 58	20 57	1 52	6 44	2 4	8 39	0 8	22 18	1 4	20 1	2 11	19 4	0 47	20 32	1 5	22 56	1 26	19 55	19 56	16 43		n.a.
W11	13 27	9 59	4 57	21 3	1 44	6 20	2 7	8 57	0 7	22 18	1 4	20 0	2 11	19 4	0 47	20 32	1 5	22 57	1 27	19 59	19 56	16 45		n.a.
T 12	13 48	13 42	4 44	21 7	1 35	5 55	2 9	9 14	0 7	22 18	1 5	20 0	2 10	19 4	0 47	20 32	1 5	22 57	1 27	20 2	19 57	16 46		n.a.
F 13	14 8	16 51	4 18	21 7	1 25	5 30	2 11	9 32	0 6	22 18	1 5	19 59	2 10	19 4	0 47	20 32	1 5	22 57	1 27	20 5	19 58	16 48		n.a.
S 14	14 29	19 18	3 42	21 4	1 14	5 5	2 13	9 49	0 5	22 17	1 5	19 58	2 10	19 4	0 47	20 32	1 6	22 58	1 27	20 8	19 59	16 50		n.a.
S 15	14 49	20 55	2 55	20 58	1 1	4 40	2 15	10 6	0 5	22 17	1 6	19 58	2 10	19 3	0 47	20 32	1 6	22 58	1 27	20 10	19 59	16 52		n.a.
M16	15 8	21 38	2 1	20 48	0 47	4 14	2 17	10 24	0 4	22 17	1 6	19 57	2 10	19 3	0 47	20 32	1 6	22 59	1 27	20 11	20 0	16 53		n.a.
T 17	15 28	21 22	1 1	20 34	0 31	3 48	2 19	10 41	0 3	22 17	1 6	19 56	2 9	19 3	0 47	20 32	1 6	22 59	1 27	20 11	20 1	16 55		n.a.
W18	15 47	20 6	0n 3	20 16	0 14	3 22	2 20	10 58	0 3	22 17	1 7	19 55	2 9	19 3	0 46	20 32	1 6	22 59	1 27	20 11	20 1	16 57		n.a.
T 19	16 6	17 50	1 9	19 55	0n 4	2 55	2 22	11 15	0 2	22 17	1 7	19 55	2 9	19 3	0 46	20 32	1 6	23 0	1 27	20 11	20 2	16 58		n.a.
F 20	16 25	14 40	2 13	19 29	0 23	2 29	2 23	11 32	0 1	22 17	1 7	19 54	2 9	19 2	0 46	20 32	1 6	23 0	1 27	20 11	20 3	17 0		n.a.
S 21	16 43	10 39	3 11	19 1	0 42	2 2	2 24	11 48	0 1	22 17	1 7	19 53	2 9	19 2	0 46	20 32	1 6	23 1	1 27	20 12	20 4	17 2		n.a.
S 22	17 1	5 57	4 2	18 29	1 2	1 35	2 25	12 5	0 0	22 17	1 8	19 52	2 9	19 2	0 46	20 32	1 6	23 1	1 27	20 13	20 4	17 4		n.a.
M23	17 19	0 46	4 39	17 54	1 22	1 8	2 26	12 22	0s 1	22 17	1 8	19 51	2 8	19 1	0 46	20 32	1 6	23 1	1 27	20 15	20 5	17 5		n.a.
T 24	17 37	4s37	4 59	17 18	1 42	0 41	2 27	12 38	0 1	22 17	1 8	19 50	2 8	19 1	0 46	20 32	1 6	23 2	1 27	20 17	20 6	17 7		n.a.
W25	17 54	9 51	4 59	16 40	2 1	0 13	2 27	12 55	0 2	22 18	1 9	19 49	2 8	19 1	0 46	20 32	1 6	23 2	1 28	20 19	20 7	17 9		n.a.
T 26	18 11	14 33	4 38	16 3	2 18	0s14	2 28	13 11	0 3	22 18	1 9	19 48	2 8	19 0	0 46	20 32	1 6	23 3	1 28	20 22	20 7	17 10		n.a.
F 27	18 27	18 18	3 57	15 27	2 33	0 42	2 28	13 27	0 3	22 18	1 9	19 47	2 8	19 0	0 46	20 32	1 6	23 3	1 28	20 24	20 8	17 12		n.a.
S 28	18 43	20 45	3 0	14 52	2 47	1 10	2 28	13 43	0 4	22 18	1 10	19 46	2 7	19 0	0 46	20 32	1 6	23 4	1 28	20 25	20 9	17 14		n.a.
S 29	18 59	21 44	1 52	14 20	2 58	1 38	2 28	13 59	0 5	22 19	1 10	19 45	2 7	18 59	0 46	20 32	1 6	23 4	1 28	20 26	20 9	17 15		n.a.
M30	19s15	21s13	0n38	13s52	3n 6	2s 6	2n28	14s15	0s 6	22n19	1n10	19s44	2s 7	18s59	0s46	20n33	1n 6	23s 4	1s28	20n27	20n10	17n17		n.a.

Julian Day Number = 1105550.5, Delta T = 10h58m05s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'56, Lahiri = -27°12'56 Julian Calendar 1 Nov. 1687 BCE == Greg. Calendar 18 Oct. 1687 BCE

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ASTRODIENST EPHEMERIS for the year 1687 BCE
geocentric

DECEMBER 1687 BCE (-1686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 39 48	25♏29'29	7♒17	14°R38	12♎ 0	7♏56	26°R53	11♒26	9♒24	4°R36	5♐35	0°D23	1♌35	5♊ 2	n.a.	T 1
W 2	3 43 45	26°30'44	20°47	13♏46	13°10	8°42	26♋52	11°29	9°26	4♌35	5°37	0°R24	1°32	5° 8	n.a.	W 2
T 3	3 47 41	27°31'58	3♓54	13° 3	14°20	9°27	26°51	11°33	9°27	4°35	5°39	0♌24	1°29	5°15	n.a.	T 3
F 4	3 51 38	28°33'11	16°41	12°29	15°31	10°13	26°49	11°37	9°29	4°35	5°41	0°22	1°25	5°22	n.a.	F 4
S 5	3 55 34	29°34'23	29°12	12° 5	16°41	10°59	26°48	11°41	9°30	4°34	5°43	0°18	1°22	5°29	n.a.	S 5
S 6	3 59 31	0♐35'34	11♈30	11°50	17°52	11°44	26°46	11°45	9°32	4°34	5°45	0°11	1°19	5°35	n.a.	S 6
M 7	4 3 27	1°36'44	23°38	11°D45	19° 3	12°30	26°44	11°49	9°34	4°33	5°47	0° 2	1°16	5°42	n.a.	M 7
T 8	4 7 24	2°37'53	5♉40	11°47	20°14	13°16	26°42	11°53	9°36	4°33	5°49	29♋51	1°13	5°49	n.a.	T 8
W 9	4 11 21	3°39'00	17°36	11°58	21°25	14° 1	26°40	11°57	9°37	4°32	5°51	29°40	1°10	5°55	n.a.	W 9
T 10	4 15 17	4°40'08	29°29	12°16	22°36	14°47	26°37	12° 2	9°39	4°31	5°53	29°28	1° 6	6° 2	n.a.	T 10
F 11	4 19 14	5°41'14	11♊20	12°40	23°47	15°33	26°35	12° 6	9°41	4°31	5°55	29°18	1° 3	6° 9	n.a.	F 11
S 12	4 23 10	6°42'19	23°11	13°10	24°58	16°19	26°32	12°11	9°43	4°30	5°57	29°10	1° 0	6°15	n.a.	S 12
S 13	4 27 7	7°43'23	5♋ 3	13°46	26° 9	17° 5	26°29	12°15	9°45	4°29	5°59	29° 4	0°57	6°22	n.a.	S 13
M14	4 31 3	8°44'26	16°59	14°27	27°21	17°51	26°26	12°20	9°47	4°29	6° 1	29° 1	0°54	6°29	n.a.	M14
T 15	4 35 0	9°45'28	29° 1	15°12	28°32	18°37	26°23	12°25	9°49	4°28	6° 3	29°D 0	0°51	6°36	n.a.	T 15
W16	4 38 56	10°46'30	11♌13	16° 1	29°44	19°23	26°19	12°30	9°51	4°27	6° 5	29° 1	0°47	6°42	n.a.	W16
T 17	4 42 53	11°47'30	23°39	16°54	0♏56	20° 9	26°15	12°35	9°53	4°26	6° 7	29° 2	0°44	6°49	n.a.	T 17
F 18	4 46 50	12°48'30	6♍24	17°51	2° 7	20°55	26°11	12°40	9°55	4°25	6° 9	29° 4	0°41	6°56	n.a.	F 18
S 19	4 50 46	13°49'28	19°31	18°50	3°19	21°41	26° 7	12°45	9°57	4°25	6°11	29°R 4	0°38	7° 2	n.a.	S 19
S 20	4 54 43	14°50'25	3♎ 5	19°52	4°31	22°27	26° 3	12°50	10° 0	4°24	6°13	29° 2	0°35	7° 9	n.a.	S 20
M21	4 58 39	15°51'22	17° 7	20°57	5°43	23°13	25°59	12°55	10° 2	4°23	6°15	28°58	0°31	7°16	n.a.	M21
T 22	5 2 36	16°52'17	1♏36	22° 4	6°55	23°59	25°54	13° 1	10° 4	4°22	6°17	28°53	0°28	7°22	n.a.	T 22
W23	5 6 32	17°53'11	16°29	23°13	8° 7	24°45	25°49	13° 6	10° 7	4°21	6°19	28°47	0°25	7°29	n.a.	W23
T 24	5 10 29	18°54'04	1♐39	24°24	9°19	25°32	25°44	13°12	10° 9	4°20	6°21	28°41	0°22	7°36	n.a.	T 24
F 25	5 14 26	19°54'56	16°56	25°36	10°31	26°18	25°39	13°17	10°11	4°19	6°23	28°35	0°19	7°43	n.a.	F 25
S 26	5 18 22	20°55'47	2♑ 9	26°51	11°43	27° 4	25°34	13°23	10°14	4°18	6°25	28°31	0°16	7°49	n.a.	S 26
S 27	5 22 19	21°56'35	17° 7	28° 7	12°55	27°50	25°29	13°29	10°16	4°16	6°26	28°29	0°12	7°56	n.a.	S 27
M28	5 26 15	22°57'23	1♒45	29°24	14° 7	28°37	25°23	13°35	10°19	4°15	6°28	28°D28	0° 9	8° 3	n.a.	M28
T 29	5 30 12	23°58'08	15°55	0♐43	15°20	29°23	25°18	13°40	10°21	4°14	6°30	28°29	0° 6	8° 9	n.a.	T 29
W30	5 34 8	24°58'51	29°38	2° 4	16°32	0♐ 9	25°12	13°46	10°24	4°13	6°32	28°31	0° 3	8°16	n.a.	W30
T 31	5 38 5	25♐59'33	12♓54	3♐25	17♏44	0♐56	25♋ 6	13♒52	10♒27	4♌12	6♐34	28♋32	29♋59	8♊23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19s30	19s23	0s37	13s28	3n13	2s34	2n28	14s31	0s 6	22n20	1n10	19s42	2s 7	18s58	0s46	20n33	1n 6	23s 5	1s28	20n27	20n11	17n19			n.a.
W 2	19 44	16 31	1 47	13 8	3 17	3 2	2 28	14 47	0 7	22 20	1 11	19 41	2 7	18 58	0 46	20 33	1 6	23 5	1 28	20 27	20 12	17 20			n.a.
T 3	19 59	12 52	2 49	12 53	3 19	3 30	2 28	15 2	0 8	22 21	1 11	19 40	2 7	18 57	0 46	20 33	1 6	23 6	1 28	20 27	20 12	17 22			n.a.
F 4	20 13	8 44	3 41	12 43	3 19	3 58	2 27	15 17	0 8	22 21	1 11	19 39	2 6	18 57	0 46	20 33	1 7	23 6	1 28	20 27	20 13	17 24			n.a.
S 5	20 26	4 18	4 21	12 37	3 17	4 26	2 27	15 33	0 9	22 22	1 12	19 37	2 6	18 57	0 46	20 33	1 7	23 7	1 28	20 28	20 14	17 25			n.a.
S 6	20 39	0n13	4 48	12 36	3 14	4 54	2 26	15 48	0 10	22 22	1 12	19 36	2 6	18 56	0 46	20 33	1 7	23 7	1 28	20 29	20 14	17 27			n.a.
M 7	20 52	4 40	5 2	12 38	3 10	5 22	2 25	16 3	0 10	22 23	1 12	19 35	2 6	18 56	0 46	20 34	1 7	23 8	1 28	20 31	20 15	17 29			n.a.
T 8	21 5	8 54	5 3	12 44	3 5	5 50	2 24	16 17	0 11	22 24	1 13	19 33	2 6	18 55	0 46	20 34	1 7	23 8	1 29	20 34	20 16	17 30			n.a.
W 9	21 17	12 46	4 50	12 53	2 59	6 17	2 23	16 32	0 12	22 25	1 13	19 32	2 6	18 55	0 46	20 34	1 7	23 8	1 29	20 36	20 17	17 32			n.a.
T 10	21 28	16 7	4 24	13 5	2 52	6 45	2 22	16 47	0 13	22 25	1 13	19 31	2 6	18 54	0 46	20 34	1 7	23 9	1 29	20 39	20 17	17 34			n.a.
F 11	21 39	18 49	3 47	13 19	2 44	7 13	2 21	17 1	0 13	22 26	1 13	19 29	2 5	18 54	0 46	20 34	1 7	23 9	1 29	20 41	20 18	17 35			n.a.
S 12	21 50	20 43	3 0	13 36	2 36	7 41	2 20	17 15	0 14	22 27	1 14	19 28	2 5	18 53	0 46	20 35	1 7	23 10	1 29	20 43	20 19	17 37			n.a.
S 13	22 1	21 42	2 5	13 55	2 28	8 8	2 19	17 29	0 15	22 28	1 14	19 26	2 5	18 52	0 46	20 35	1 7	23 10	1 29	20 44	20 19	17 39			n.a.
M14	22 10	21 43	1 4	14 16	2 19	8 36	2 17	17 43	0 15	22 29	1 14	19 25	2 5	18 52	0 46	20 35	1 7	23 11	1 29	20 44	20 20	17 40			n.a.
T 15	22 20	20 45	0n 0	14 37	2 10	9 3	2 16	17 57	0 16	22 30	1 15	19 23	2 5	18 51	0 46	20 35	1 7	23 11	1 29	20 45	20 21	17 42			n.a.
W16	22 29	18 47	1 6	15 1	2 1	9 30	2 14	18 10	0 17	22 31	1 15	19 22	2 5	18 51	0 45	20 36	1 7	23 12	1 29	20 44	20 22	17 44			n.a.
T 17	22 37	15 55	2 9	15 25	1 52	9 57	2 12	18 24	0 18	22 32	1 15	19 20	2 4	18 50	0 45	20 36	1 7	23 12	1 29	20 44	20 22	17 45			n.a.
F 18	22 46	12 14	3 8	15 49	1 43	10 24	2 11	18 37	0 18	22 33	1 16	19 19	2 4	18 49	0 45	20 36	1 7	23 12	1 29	20 44	20 23	17 47			n.a.
S 19	22 53	7 53	3 59	16 15	1 34	10 50	2 9	18 50	0 19	22 34	1 16	19 17	2 4	18 49	0 45	20 36	1 7	23 13	1 30	20 44	20 24	17 48			n.a.
S 20	23 1	3 0	4 39	16 41	1 24	11 17	2 7	19 3	0 20	22 35	1 16	19 15	2 4	18 48	0 45	20 37	1 7	23 13	1 30	20 44	20 24	17 50			n.a.
M21	23 7	2s11	5 3	17 7	1 15	11 43	2 5	19 15	0 20	22 36	1 16	19 14	2 4	18 47	0 45	20 37	1 7	23 14	1 30	20 45	20 25	17 52			n.a.
T 22	23 14	7 25	5 9	17 34	1 6	12 9	2 3	19 28	0 21	22 37	1 17	19 12	2 4	18 47	0 45	20 37	1 7	23 14	1 30	20 46	20 26	17 53			n.a.
W23	23 20	12 22	4 55	18 0	0 57	12 34	2 1	19 40	0 22	22 38	1 17	19 10	2 4	18 46	0 45	20 37	1 7	23 15	1 30	20 47	20 26	17 55			n.a.
T 24	23 25	16 38	4 20	18 27	0 48	13 0	1 59	19 52	0 23	22 39	1 17	19 8	2 4	18 45	0 45	20 38	1 7	23 15	1 30	20 49	20 27	17 57			n.a.
F 25	23 30	19 48	3 27	18 53	0 39	13 25	1 56	20 4	0 23	22 41	1 17	19 7	2 3	18 45	0 45	20 38	1 7	23 15	1 30	20 50	20 28	17 58			n.a.
S 26	23 34	21 34	2 18	19 20	0 30	13 50	1 54	20 16	0 24	22 42	1 18	19 5	2 3	18 44	0 45	20 38	1 7	23 16	1 30	20 51	20 28	18 0			n.a.
S 27	23 38	21 45	1 1	19 45	0 22	14 14	1 52	20 27	0 25	22 43	1 18	19 3	2 3	18 43	0 45	20 39	1 7	23 16	1 30	20 51	20 29	18 1			n.a.
M28	23 42	20 26	0s18	20 11	0 13	14 38	1 49	20 38	0 26	22 44	1 18	19 1	2 3	18 43	0 45	20 39	1 8	23 17	1 30	20 51	20 30	18 3			n.a.
T 29	23 45	17 51	1 34	20 36	0 5	15 2	1 47	20 49	0 26	22 46	1 18	18 59	2 3	18 42	0 45	20 39	1 8	23 17	1 30	20 51	20 31	18 5			n.a.
W30	23 48	14 20	2 42	21 1	0s 3	15 26	1 44	21 0	0 27	22 47	1 19	18 58	2 3	18 41	0 45	20 40	1 8	23 18	1 31	20 51	20 31	18 6			n.a.
T 31	23s50	10s12	3s39	21s25	0s11	15s49	1n42	21s11	0s28	22n48	1n19	18s56	2s 3	18s40	0s45	20n40	1n 8	23s18	1s31	20n50	20n32	18n 8			n.a.

Julian Day Number = 1105580.5, Delta T = 10h58m03s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'52, Lahiri = -27°12'52 Julian Calendar 1 Dec. 1687 BCE == Greg. Calendar 17 Nov. 1687 BCE

The year -1686 astronomical counting style corresponds to year 1687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

JANUARY 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 42 1	27♐ 0'12	25♓46	4♐48	18♏56	1♐42	25°R 0	13♒58	10♒29	4°R11	6♐36	28°R33	29♋57	8♊29	n.a.	F 1
S 2	5 45 58	28° 0'50	8♈18	6°12	20° 9	2°28	24♋54	14° 4	10°32	4♎ 9	6°38	28♋32	29°53	8°36	n.a.	S 2
S 3	5 49 55	29° 1'25	20°33	7°36	21°21	3°15	24°47	14°11	10°35	4° 8	6°40	28°30	29°50	8°43	n.a.	S 3
M 4	5 53 51	0♑ 1'59	2♉37	9° 2	22°34	4° 1	24°41	14°17	10°38	4° 7	6°42	28°27	29°47	8°49	n.a.	M 4
T 5	5 57 48	1° 2'31	14°33	10°29	23°46	4°48	24°34	14°23	10°40	4° 5	6°43	28°23	29°44	8°56	n.a.	T 5
W 6	6 1 44	2° 3'00	26°25	11°58	24°59	5°34	24°27	14°30	10°43	4° 4	6°45	28°18	29°41	9° 3	n.a.	W 6
T 7	6 5 41	3° 3'28	8♊15	13°27	26°11	6°21	24°21	14°36	10°46	4° 3	6°47	28°13	29°37	9°10	n.a.	T 7
F 8	6 9 37	4° 3'54	20° 6	14°57	27°24	7° 7	24°14	14°42	10°49	4° 1	6°49	28° 9	29°34	9°16	n.a.	F 8
S 9	6 13 34	5° 4'18	2♋ 0	16°28	28°36	7°54	24° 7	14°49	10°52	4° 0	6°51	28° 6	29°31	9°23	n.a.	S 9
S 10	6 17 30	6° 4'40	13°59	18° 0	29°49	8°40	24° 0	14°56	10°55	3°59	6°52	28° 4	29°28	9°30	n.a.	S 10
M11	6 21 27	7° 5'01	26° 4	19°33	1♐ 2	9°27	23°53	15° 2	10°58	3°57	6°54	28°D 3	29°25	9°36	n.a.	M11
T 12	6 25 24	8° 5'19	8♌17	21° 7	2°14	10°13	23°45	15° 9	11° 1	3°56	6°56	28° 4	29°22	9°43	n.a.	T 12
W13	6 29 20	9° 5'36	20°41	22°42	3°27	11° 0	23°38	15°16	11° 4	3°54	6°58	28° 5	29°18	9°50	n.a.	W13
T 14	6 33 17	10° 5'51	3♍18	24°18	4°40	11°46	23°31	15°22	11° 7	3°53	6°59	28° 6	29°15	9°56	n.a.	T 14
F 15	6 37 13	11° 6'04	16°10	25°55	5°52	12°33	23°23	15°29	11°10	3°51	7° 1	28° 8	29°12	10° 3	n.a.	F 15
S 16	6 41 10	12° 6'15	29°20	27°33	7° 5	13°19	23°16	15°36	11°13	3°50	7° 3	28° 9	29° 9	10°10	n.a.	S 16
S 17	6 45 6	13° 6'25	12♎50	29°12	8°18	14° 6	23° 8	15°43	11°16	3°48	7° 5	28°R 9	29° 6	10°16	n.a.	S 17
M18	6 49 3	14° 6'33	26°41	0♑52	9°31	14°53	23° 1	15°50	11°19	3°47	7° 6	28° 9	29° 3	10°23	n.a.	M18
T 19	6 52 59	15° 6'39	10♏54	2°33	10°44	15°39	22°53	15°57	11°22	3°45	7° 8	28° 8	28°59	10°30	n.a.	T 19
W20	6 56 56	16° 6'44	25°27	4°15	11°56	16°26	22°45	16° 4	11°25	3°44	7° 9	28° 6	28°56	10°37	n.a.	W20
T 21	7 0 53	17° 6'46	10♐15	5°58	13° 9	17°13	22°37	16°11	11°28	3°42	7°11	28° 5	28°53	10°43	n.a.	T 21
F 22	7 4 49	18° 6'47	25°12	7°42	14°22	17°59	22°30	16°18	11°31	3°41	7°13	28° 4	28°50	10°50	n.a.	F 22
S 23	7 8 46	19° 6'46	10♑11	9°28	15°35	18°46	22°22	16°25	11°35	3°39	7°14	28° 3	28°47	10°57	n.a.	S 23
S 24	7 12 42	20° 6'43	25° 1	11°14	16°48	19°33	22°14	16°32	11°38	3°37	7°16	28°D 3	28°43	11° 3	n.a.	S 24
M25	7 16 39	21° 6'38	9♒37	13° 2	18° 1	20°19	22° 6	16°40	11°41	3°36	7°17	28° 3	28°40	11°10	n.a.	M25
T 26	7 20 35	22° 6'31	23°52	14°51	19°14	21° 6	21°58	16°47	11°44	3°34	7°19	28° 3	28°37	11°17	n.a.	T 26
W27	7 24 32	23° 6'21	7♓42	16°41	20°27	21°52	21°50	16°54	11°48	3°33	7°20	28° 4	28°34	11°23	n.a.	W27
T 28	7 28 28	24° 6'09	21° 6	18°32	21°39	22°39	21°43	17° 1	11°51	3°31	7°22	28° 4	28°31	11°30	n.a.	T 28
F 29	7 32 25	25° 5'54	4♈ 6	20°24	22°52	23°26	21°35	17° 9	11°54	3°29	7°23	28° 4	28°28	11°37	n.a.	F 29
S 30	7 36 21	26° 5'37	16°43	22°17	24° 5	24°12	21°27	17°16	11°58	3°28	7°25	28° 5	28°24	11°43	n.a.	S 30
S 31	7 40 18	27♑ 5'17	29♈ 2	24♑11	25♐18	24♐59	21♋19	17♒24	12♒ 1	3♎26	7♐26	28°R 5	28♋21	11♊50	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s51	5s44	4s23	21s48	0s19	16s12	1n39	21s21	0s28	22n50	1n19	18s54	2s 3	18s40	0s45	20n40	1n 8	23s19	1s31	20n50	20n33	18n 9		n.a.
S 2	23 52	1 8	4 54	22 11	0 26	16 34	1 36	21 31	0 29	22 51	1 19	18 52	2 3	18 39	0 45	20 41	1 8	23 19	1 31	20 50	20 33	18 11		n.a.
S 3	23 53	3n24	5 10	22 32	0 33	16 56	1 34	21 41	0 30	22 53	1 20	18 50	2 2	18 38	0 45	20 41	1 8	23 19	1 31	20 51	20 34	18 13		n.a.
M 4	23 53	7 44	5 12	22 53	0 40	17 18	1 31	21 51	0 31	22 54	1 20	18 48	2 2	18 37	0 45	20 41	1 8	23 20	1 31	20 52	20 35	18 14		n.a.
T 5	23 53	11 43	5 1	23 13	0 47	17 39	1 28	22 0	0 31	22 55	1 20	18 46	2 2	18 36	0 45	20 42	1 8	23 20	1 31	20 52	20 35	18 16		n.a.
W 6	23 52	15 14	4 36	23 32	0 54	18 0	1 25	22 10	0 32	22 57	1 20	18 44	2 2	18 36	0 45	20 42	1 8	23 21	1 31	20 53	20 36	18 17		n.a.
T 7	23 51	18 8	4 0	23 50	1 0	18 20	1 22	22 19	0 33	22 58	1 20	18 42	2 2	18 35	0 45	20 42	1 8	23 21	1 31	20 54	20 37	18 19		n.a.
F 8	23 50	20 17	3 14	24 7	1 6	18 40	1 19	22 27	0 33	23 0	1 21	18 40	2 2	18 34	0 45	20 43	1 8	23 21	1 32	20 55	20 37	18 20		n.a.
S 9	23 47	21 34	2 19	24 23	1 12	18 59	1 17	22 36	0 34	23 1	1 21	18 38	2 2	18 33	0 45	20 43	1 8	23 22	1 32	20 56	20 38	18 22		n.a.
S 10	23 45	21 52	1 17	24 38	1 18	19 18	1 14	22 44	0 35	23 3	1 21	18 36	2 2	18 32	0 45	20 43	1 8	23 22	1 32	20 56	20 39	18 24		n.a.
M11	23 42	21 9	0 11	24 51	1 23	19 36	1 11	22 52	0 36	23 4	1 21	18 34	2 2	18 32	0 45	20 44	1 8	23 23	1 32	20 56	20 39	18 25		n.a.
T 12	23 38	19 26	0n56	25 3	1 28	19 54	1 8	23 0	0 36	23 6	1 21	18 32	2 2	18 31	0 45	20 44	1 8	23 23	1 32	20 56	20 40	18 27		n.a.
W13	23 34	16 47	2 2	25 14	1 33	20 11	1 5	23 7	0 37	23 7	1 22	18 30	2 2	18 30	0 45	20 44	1 8	23 24	1 32	20 56	20 41	18 28		n.a.
T 14	23 30	13 19	3 3	25 23	1 37	20 28	1 2	23 15	0 38	23 9	1 22	18 28	2 1	18 29	0 45	20 45	1 8	23 24	1 32	20 56	20 41	18 30		n.a.
F 15	23 25	9 10	3 56	25 31	1 41	20 44	0 58	23 22	0 38	23 10	1 22	18 25	2 1	18 28	0 45	20 45	1 8	23 24	1 32	20 56	20 42	18 31		n.a.
S 16	23 20	4 30	4 38	25 37	1 45	21 0	0 55	23 28	0 39	23 11	1 22	18 23	2 1	18 27	0 45	20 46	1 8	23 25	1 32	20 55	20 43	18 33		n.a.
S 17	23 14	0s29	5 5	25 42	1 48	21 15	0 52	23 35	0 40	23 13	1 22	18 21	2 1	18 26	0 45	20 46	1 8	23 25	1 33	20 55	20 43	18 34		n.a.
M18	23 8	5 34	5 17	25 45	1 51	21 29	0 49	23 41	0 40	23 14	1 22	18 19	2 1	18 25	0 45	20 46	1 8	23 26	1 33	20 55	20 44	18 36		n.a.
T 19	23 1	10 29	5 9	25 46	1 54	21 43	0 46	23 47	0 41	23 16	1 23	18 17	2 1	18 25	0 45	20 47	1 8	23 26	1 33	20 56	20 45	18 37		n.a.
W20	22 54	14 56	4 41	25 45	1 56	21 56	0 43	23 53	0 42	23 17	1 23	18 14	2 1	18 24	0 45	20 47	1 8	23 26	1 33	20 56	20 45	18 39		n.a.
T 21	22 46	18 32	3 55	25 43	1 58	22 9	0 40	23 58	0 43	23 19	1 23	18 12	2 1	18 23	0 45	20 48	1 8	23 27	1 33	20 56	20 46	18 41		n.a.
F 22	22 38	20 56	2 52	25 39	2 0	22 21	0 37	24 3	0 43	23 20	1 23	18 10	2 1	18 22	0 45	20 48	1 8	23 27	1 33	20 56	20 47	18 42		n.a.
S 23	22 30	21 52	1 38	25 33	2 1	22 32	0 34	24 8	0 44	23 22	1 23	18 8	2 1	18 21	0 45	20 48	1 8	23 28	1 33	20 56	20 47	18 44		n.a.
S 24	22 21	21 15	0 17	25 25	2 1	22 43	0 31	24 13	0 45	23 23	1 23	18 5	2 1	18 20	0 45	20 49	1 8	23 28	1 33	20 57	20 48	18 45		n.a.
M25	22 12	19 12	1s 4	25 15	2 1	22 53	0 27	24 17	0 45	23 25	1 23	18 3	2 1	18 19	0 45	20 49	1 8	23 28	1 33	20 57	20 49	18 47		n.a.
T 26	22 2	15 59	2 19	25 3	2 1	23 2	0 24	24 21	0 46	23 26	1 24	18 1	2 1	18 18	0 45	20 50	1 8	23 29	1 34	20 56	20 49	18 48		n.a.
W27	21 52	11 58	3 23	24 49	2 0	23 11	0 21	24 25	0 47	23 27	1 24	17 59	2 1	18 17	0 45	20 50	1 8	23 29	1 34	20 56	20 50	18 50		n.a.
T 28	21 42	7 28	4 14	24 33	1 59	23 19	0 18	24 28	0 47	23 29	1 24	17 56	2 1	18 16	0 45	20 50	1 8	23 29	1 34	20 56	20 51	18 51		n.a.
F 29	21 31	2 46	4 50	24 14	1 57	23 27	0 15	24 31	0 48	23 30	1 24	17 54	2 1	18 15	0 45	20 51	1 8	23 30	1 34	20 56	20 51	18 53		n.a.
S 30	21 20	1n55	5 11	23 54	1 55	23 33	0 12	24 34	0 49	23 31	1 24	17 52	2 1	18 14	0 45	20 51	1 8	23 30	1 34	20 56	20 52	18 54		n.a.
S 31	21s 8	6n24	5s18	23s31	1s52	23s39	0n 9	24s37	0s49	23n33	1n24	17s49	2s 1	18s13	0s45	20n52	1n 8	23s31	1s34	20n56	20n53	18n56		n.a.

Julian Day Number = 1105611.5, Delta T = 10h58m01s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'48, Lahiri = -27°12'47 Julian Calendar 1 Jan. 1686 BCE == Greg. Calendar 18 Dec. 1687 BCE

The year -1685 astronomical counting style corresponds to year 1686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

FEBRUARY 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 44 15	28♉ 4'55	11♉ 7	26♉ 7	26♐31	25♐46	21°R11	17♒31	12♒ 4	3°R24	7♐28	28°D 5	28♋18	11♊57	n.a.	M 1
T 2	7 48 11	29° 4'31	23° 3	28° 3	27°44	26°32	21♋ 4	17°38	12° 8	3♌23	7°29	28♋ 5	28°15	12° 4	n.a.	T 2
W 3	7 52 8	0♒ 4'04	4♊53	0♒ 0	28°57	27°19	20°56	17°46	12°11	3°21	7°30	28° 5	28°12	12°10	n.a.	W 3
T 4	7 56 4	1° 3'35	16°43	1°59	0♉10	28° 6	20°48	17°53	12°14	3°19	7°32	28° 5	28° 9	12°17	n.a.	T 4
F 5	8 0 1	2° 3'03	28°36	3°58	1°23	28°52	20°41	18° 1	12°18	3°18	7°33	28° 6	28° 5	12°24	n.a.	F 5
S 6	8 3 57	3° 2'29	10♋34	5°58	2°36	29°39	20°33	18° 9	12°21	3°16	7°34	28° 6	28° 2	12°30	n.a.	S 6
S 7	8 7 54	4° 1'53	22°42	7°58	3°49	0♉26	20°26	18°16	12°24	3°14	7°36	28°R 6	27°59	12°37	n.a.	S 7
M 8	8 11 50	5° 1'14	4♌59	9°59	5° 2	1°12	20°19	18°24	12°28	3°13	7°37	28° 6	27°56	12°44	n.a.	M 8
T 9	8 15 47	6° 0'34	17°29	12° 0	6°15	1°59	20°11	18°31	12°31	3°11	7°38	28° 6	27°53	12°50	n.a.	T 9
W10	8 19 44	6°59'51	0♍12	14° 1	7°28	2°46	20° 4	18°39	12°35	3°10	7°39	28° 5	27°49	12°57	n.a.	W10
T 11	8 23 40	7°59'06	13° 8	16° 2	8°41	3°32	19°57	18°47	12°38	3° 8	7°40	28° 4	27°46	13° 4	n.a.	T 11
F 12	8 27 37	8°58'19	26°18	18° 2	9°54	4°19	19°50	18°54	12°41	3° 6	7°41	28° 2	27°43	13°10	n.a.	F 12
S 13	8 31 33	9°57'29	9♎42	20° 2	11° 7	5° 5	19°43	19° 2	12°45	3° 5	7°43	28° 1	27°40	13°17	n.a.	S 13
S 14	8 35 30	10°56'38	23°20	22° 0	12°20	5°52	19°36	19°10	12°48	3° 3	7°44	28° 0	27°37	13°24	n.a.	S 14
M15	8 39 26	11°55'45	7♏12	23°57	13°33	6°38	19°29	19°17	12°52	3° 1	7°45	27°D59	27°34	13°30	n.a.	M15
T 16	8 43 23	12°54'50	21°16	25°51	14°46	7°25	19°22	19°25	12°55	3° 0	7°46	27°59	27°30	13°37	n.a.	T 16
W17	8 47 19	13°53'54	5♐32	27°44	15°59	8°12	19°16	19°33	12°58	2°58	7°47	28° 0	27°27	13°44	n.a.	W17
T 18	8 51 16	14°52'55	19°57	29°33	17°12	8°58	19° 9	19°40	13° 2	2°56	7°48	28° 1	27°24	13°50	n.a.	T 18
F 19	8 55 12	15°51'55	4♑28	1♓20	18°25	9°45	19° 3	19°48	13° 5	2°55	7°49	28° 2	27°21	13°57	n.a.	F 19
S 20	8 59 9	16°50'52	19° 0	3° 3	19°38	10°31	18°57	19°56	13° 9	2°53	7°50	28° 3	27°18	14° 4	n.a.	S 20
S 21	9 3 6	17°49'48	3♒28	4°42	20°52	11°18	18°51	20° 4	13°12	2°52	7°51	28°R 3	27°14	14°11	n.a.	S 21
M22	9 7 2	18°48'41	17°47	6°17	22° 5	12° 4	18°45	20°11	13°15	2°50	7°52	28° 3	27°11	14°17	n.a.	M22
T 23	9 10 59	19°47'32	1♓50	7°47	23°18	12°51	18°39	20°19	13°19	2°48	7°52	28° 1	27° 8	14°24	n.a.	T 23
W24	9 14 55	20°46'21	15°35	9°12	24°31	13°37	18°33	20°27	13°22	2°47	7°53	27°58	27° 5	14°31	n.a.	W24
T 25	9 18 52	21°45'08	28°59	10°33	25°44	14°23	18°27	20°34	13°26	2°45	7°54	27°54	27° 2	14°37	n.a.	T 25
F 26	9 22 48	22°43'52	12♈ 0	11°48	26°57	15°10	18°22	20°42	13°29	2°44	7°55	27°50	26°59	14°44	n.a.	F 26
S 27	9 26 45	23°42'34	24°41	12°57	28°10	15°56	18°17	20°50	13°32	2°42	7°56	27°47	26°55	14°51	n.a.	S 27
S 28	9 30 41	24♒41'13	7♉ 3	14♓ 1	29♉23	16♉43	18♋11	20♒58	13♒36	2♌41	7♐56	27♋45	26♋52	14♊57	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	20s56	10n33	5s 9	23s 6	1s48	23s45	0n 6	24s39	0s50	23n34	1n24	17s47	2s 1	18s12	0s45	20n52	1n 9	23s31	1s34	20n56	20n53	18n57		n.a.	M 1
T 2	20 44	14 14	4 48	22 38	1 44	23 49	0 3	24 41	0 51	23 35	1 24	17 45	2 1	18 11	0 45	20 53	1 9	23 31	1 34	20 56	20 54	18 59		n.a.	T 2
W 3	20 31	17 20	4 15	22 9	1 40	23 53	0 0	24 43	0 51	23 37	1 24	17 42	2 1	18 10	0 45	20 53	1 9	23 32	1 35	20 56	20 55	19 0		n.a.	W 3
T 4	20 18	19 44	3 30	21 37	1 34	23 56	0s 3	24 45	0 52	23 38	1 24	17 40	2 1	18 10	0 45	20 53	1 9	23 32	1 35	20 56	20 55	19 2		n.a.	T 4
F 5	20 4	21 16	2 37	21 3	1 28	23 59	0 6	24 46	0 53	23 39	1 24	17 37	2 1	18 9	0 45	20 54	1 9	23 32	1 35	20 56	20 56	19 3		n.a.	F 5
S 6	19 51	21 52	1 36	20 27	1 22	24 0	0 9	24 47	0 53	23 40	1 24	17 35	2 1	18 8	0 45	20 54	1 9	23 33	1 35	20 56	20 57	19 5		n.a.	S 6
S 7	19 37	21 27	0 30	19 49	1 15	24 1	0 11	24 47	0 54	23 41	1 24	17 33	2 1	18 7	0 45	20 55	1 9	23 33	1 35	20 56	20 57	19 6		n.a.	S 7
M 8	19 22	20 0	0n38	19 9	1 7	24 2	0 14	24 48	0 55	23 43	1 24	17 30	2 1	18 6	0 45	20 55	1 9	23 33	1 35	20 56	20 58	19 7		n.a.	M 8
T 9	19 7	17 33	1 46	18 27	0 59	24 1	0 17	24 48	0 55	23 44	1 24	17 28	2 1	18 5	0 45	20 55	1 9	23 34	1 35	20 56	20 59	19 9		n.a.	T 9
W10	18 52	14 14	2 49	17 44	0 50	24 0	0 20	24 47	0 56	23 45	1 24	17 25	2 1	18 4	0 45	20 56	1 9	23 34	1 35	20 56	20 59	19 10		n.a.	W10
T 11	18 37	10 11	3 45	16 58	0 40	23 59	0 23	24 47	0 56	23 46	1 24	17 23	2 1	18 3	0 45	20 56	1 9	23 34	1 36	20 56	21 0	19 12		n.a.	T 11
F 12	18 21	5 36	4 29	16 12	0 30	23 56	0 25	24 46	0 57	23 47	1 24	17 21	2 1	18 2	0 45	20 57	1 9	23 35	1 36	20 57	21 1	19 13		n.a.	F 12
S 13	18 5	0 41	5 1	15 24	0 20	23 53	0 28	24 45	0 58	23 48	1 24	17 18	2 1	18 1	0 45	20 57	1 9	23 35	1 36	20 57	21 1	19 15		n.a.	S 13
S 14	17 49	4s21	5 15	14 35	0 9	23 49	0 31	24 44	0 58	23 49	1 24	17 16	2 1	18 0	0 45	20 57	1 9	23 35	1 36	20 57	21 2	19 16		n.a.	S 14
M15	17 32	9 15	5 12	13 45	0n 3	23 44	0 33	24 42	0 59	23 50	1 24	17 13	2 1	17 59	0 45	20 58	1 9	23 36	1 36	20 57	21 2	19 18		n.a.	M15
T 16	17 15	13 44	4 51	12 55	0 14	23 39	0 36	24 40	1 0	23 51	1 24	17 11	2 1	17 58	0 45	20 58	1 9	23 36	1 36	20 57	21 3	19 19		n.a.	T 16
W17	16 58	17 31	4 11	12 4	0 27	23 33	0 38	24 38	1 0	23 52	1 24	17 8	2 1	17 57	0 45	20 59	1 9	23 36	1 36	20 57	21 4	19 21		n.a.	W17
T 18	16 41	20 15	3 15	11 14	0 39	23 26	0 41	24 35	1 1	23 53	1 24	17 6	2 1	17 56	0 45	20 59	1 9	23 36	1 36	20 57	21 4	19 22		n.a.	T 18
F 19	16 23	21 42	2 7	10 24	0 51	23 18	0 43	24 33	1 1	23 54	1 24	17 3	2 1	17 55	0 45	20 59	1 9	23 37	1 37	20 57	21 5	19 23		n.a.	F 19
S 20	16 5	21 42	0 50	9 35	1 4	23 10	0 45	24 30	1 2	23 55	1 24	17 1	2 1	17 54	0 45	21 0	1 9	23 37	1 37	20 56	21 6	19 25		n.a.	S 20
S 21	15 47	20 14	0s30	8 47	1 16	23 1	0 48	24 26	1 2	23 56	1 24	16 58	2 1	17 53	0 45	21 0	1 9	23 37	1 37	20 56	21 6	19 26		n.a.	S 21
M22	15 28	17 29	1 47	8 1	1 29	22 52	0 50	24 23	1 3	23 56	1 24	16 56	2 1	17 52	0 45	21 0	1 9	23 38	1 37	20 57	21 7	19 28		n.a.	M22
T 23	15 9	13 45	2 56	7 15	1 41	22 41	0 52	24 19	1 4	23 57	1 24	16 53	2 1	17 51	0 45	21 1	1 9	23 38	1 37	20 57	21 7	19 29		n.a.	T 23
W24	14 50	9 21	3 53	6 32	1 52	22 31	0 54	24 15	1 4	23 58	1 24	16 51	2 1	17 50	0 45	21 1	1 9	23 38	1 37	20 58	21 8	19 31		n.a.	W24
T 25	14 31	4 36	4 35	5 51	2 4	22 19	0 56	24 10	1 5	23 59	1 24	16 49	2 1	17 49	0 45	21 2	1 9	23 38	1 37	20 58	21 9	19 32		n.a.	T 25
F 26	14 12	0n12	5 2	5 12	2 15	22 7	0 58	24 5	1 5	23 59	1 24	16 46	2 1	17 48	0 45	21 2	1 9	23 39	1 38	20 59	21 9	19 33		n.a.	F 26
S 27	13 52	4 53	5 14	4 35	2 25	21 54	1 0	24 0	1 6	24 0	1 24	16 44	2 1	17 47	0 45	21 2	1 9	23 39	1 38	21 0	21 10	19 35		n.a.	S 27
S 28	13s32	9n15	5s10	4s 1	2n35	21s41	1s 2	23s55	1s 6	24n 1	1n24	16s41	2s 1	17s46	0s45	21n 3	1n 9	23s39	1s38	21n 0	21n11	19n36		n.a.	S 28

Julian Day Number = 1105642.5, Delta T = 10h57m59s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'44, Lahiri = -27°12'43 Julian Calendar 1 Feb. 1686 BCE == Greg. Calendar 18 Jan. 1686 BCE

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

MARCH 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 34 38	25♒39'50	19♉10	14♓59	0♒36	17♑29	18°R 7	21♒ 5	13♒39	2°R39	7♐57	27°R43	26♋49	15♊ 4	n.a.	M 1
T 2	9 38 34	26°38'25	1♊ 7	15°51	1°49	18°15	18♋ 2	21°13	13°42	2♌38	7°58	27°D43	26°46	15°11	n.a.	T 2
W 3	9 42 31	27°36'58	12°58	16°37	3° 2	19° 2	17°57	21°21	13°46	2°36	7°58	27♋44	26°43	15°17	n.a.	W 3
T 4	9 46 28	28°35'28	24°48	17°16	4°16	19°48	17°52	21°29	13°49	2°35	7°59	27°46	26°40	15°24	n.a.	T 4
F 5	9 50 24	29°33'56	6♋43	17°50	5°29	20°34	17°48	21°36	13°52	2°33	7°59	27°48	26°36	15°31	n.a.	F 5
S 6	9 54 21	0♓32'22	18°45	18°17	6°42	21°20	17°44	21°44	13°56	2°32	8° 0	27°49	26°33	15°37	n.a.	S 6
S 7	9 58 17	1°30'45	1♌ 1	18°38	7°55	22° 6	17°40	21°52	13°59	2°31	8° 1	27°R49	26°30	15°44	n.a.	S 7
M 8	10 2 14	2°29'06	13°31	18°53	9° 8	22°53	17°36	21°59	14° 2	2°29	8° 1	27°48	26°27	15°51	n.a.	M 8
T 9	10 6 10	3°27'26	26°17	19° 1	10°21	23°39	17°32	22° 7	14° 6	2°28	8° 2	27°45	26°24	15°57	n.a.	T 9
W10	10 10 7	4°25'43	9♍21	19°R 4	11°34	24°25	17°29	22°15	14° 9	2°26	8° 2	27°41	26°20	16° 4	n.a.	W10
T 11	10 14 3	5°23'58	22°42	19° 1	12°47	25°11	17°26	22°22	14°12	2°25	8° 2	27°35	26°17	16°11	n.a.	T 11
F 12	10 18 0	6°22'11	6♎17	18°52	14° 0	25°57	17°22	22°30	14°15	2°24	8° 3	27°29	26°14	16°17	n.a.	F 12
S 13	10 21 56	7°20'22	20° 5	18°38	15°14	26°43	17°19	22°37	14°18	2°22	8° 3	27°23	26°11	16°24	n.a.	S 13
S 14	10 25 53	8°18'32	4♏ 2	18°19	16°27	27°29	17°17	22°45	14°22	2°21	8° 3	27°18	26° 8	16°31	n.a.	S 14
M15	10 29 50	9°16'40	18° 6	17°56	17°40	28°15	17°14	22°52	14°25	2°20	8° 4	27°14	26° 5	16°37	n.a.	M15
T 16	10 33 46	10°14'47	2♐14	17°28	18°53	29° 1	17°11	23° 0	14°28	2°19	8° 4	27°12	26° 1	16°44	n.a.	T 16
W17	10 37 43	11°12'52	16°24	16°57	20° 6	29°47	17° 9	23° 7	14°31	2°17	8° 4	27°D12	25°58	16°51	n.a.	W17
T 18	10 41 39	12°10'55	0♑34	16°23	21°19	0♒32	17° 7	23°15	14°34	2°16	8° 5	27°13	25°55	16°58	n.a.	T 18
F 19	10 45 36	13° 8'57	14°43	15°47	22°32	1°18	17° 5	23°22	14°37	2°15	8° 5	27°14	25°52	17° 4	n.a.	F 19
S 20	10 49 32	14° 6'58	28°49	15° 9	23°46	2° 4	17° 3	23°30	14°40	2°14	8° 5	27°R15	25°49	17°11	n.a.	S 20
S 21	10 53 29	15° 4'57	12♒50	14°31	24°59	2°50	17° 2	23°37	14°43	2°13	8° 5	27°14	25°46	17°18	n.a.	S 21
M22	10 57 25	16° 2'54	26°43	13°52	26°12	3°36	17° 0	23°45	14°47	2°12	8° 5	27°10	25°42	17°24	n.a.	M22
T 23	11 1 22	17° 0'50	10♓25	13°13	27°25	4°21	16°59	23°52	14°50	2°11	8° 5	27° 5	25°39	17°31	n.a.	T 23
W24	11 5 18	17°58'44	23°53	12°36	28°38	5° 7	16°58	23°59	14°53	2°10	8° 5	26°57	25°36	17°38	n.a.	W24
T 25	11 9 15	18°56'36	7♈ 5	12° 1	29°52	5°52	16°57	24° 7	14°56	2° 9	8°R 5	26°49	25°33	17°44	n.a.	T 25
F 26	11 13 12	19°54'26	20° 0	11°28	1♓ 5	6°38	16°57	24°14	14°58	2° 8	8° 5	26°39	25°30	17°51	n.a.	F 26
S 27	11 17 8	20°52'15	2♉37	10°57	2°18	7°24	16°56	24°21	15° 1	2° 7	8° 5	26°31	25°26	17°58	n.a.	S 27
S 28	11 21 5	21°50'01	14°57	10°31	3°31	8° 9	16°56	24°28	15° 4	2° 6	8° 5	26°23	25°23	18° 4	n.a.	S 28
M29	11 25 1	22°47'46	27° 4	10° 7	4°44	8°54	16°D56	24°35	15° 7	2° 5	8° 5	26°18	25°20	18°11	n.a.	M29
T 30	11 28 58	23°45'30	9♊ 0	9°48	5°58	9°40	16°56	24°42	15°10	2° 4	8° 5	26°15	25°17	18°18	n.a.	T 30
W31	11 32 54	24♓43'11	20♊51	9♓33	7♓11	10♒25	16♋56	24♒50	15♒13	2♌ 3	8♐ 5	26°D13	25♋14	18♊24	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	13s12	13n 9	4s53	3s30	2n44	21s26	1s 4	23s50	1s 7	24n 1	1n24	16s39	2s 1	17s45	0s45	21n 3	1n 9	23s39	1s38	21n 0	21n11	19n38			n.a.
T 2	12 52	16 29	4 23	3 2	2 52	21 12	1 6	23 44	1 8	24 2	1 24	16 36	2 1	17 44	0 45	21 3	1 9	23 40	1 38	21 0	21 12	19 39			n.a.
W 3	12 32	19 7	3 42	2 38	3 0	20 56	1 8	23 38	1 8	24 2	1 23	16 34	2 1	17 43	0 45	21 4	1 9	23 40	1 38	21 0	21 13	19 40			n.a.
T 4	12 11	20 56	2 51	1 58	3 6	20 41	1 9	23 32	1 9	24 3	1 23	16 31	2 1	17 42	0 45	21 4	1 9	23 40	1 38	21 0	21 13	19 42			n.a.
F 5	11 50	21 50	1 53	1 58	3 12	20 24	1 11	23 25	1 9	24 3	1 23	16 29	2 1	17 41	0 45	21 4	1 9	23 40	1 38	21 0	21 14	19 43			n.a.
S 6	11 29	21 44	0 49	1 43	3 16	20 7	1 12	23 18	1 10	24 4	1 23	16 26	2 1	17 40	0 45	21 5	1 9	23 41	1 39	20 59	21 14	19 44			n.a.
S 7	11 8	20 36	0n17	1 32	3 20	19 49	1 14	23 11	1 10	24 4	1 23	16 24	2 1	17 39	0 45	21 5	1 9	23 41	1 39	20 59	21 15	19 46			n.a.
M 8	10 47	18 26	1 25	1 24	3 22	19 31	1 15	23 4	1 11	24 5	1 23	16 21	2 2	17 38	0 45	21 5	1 9	23 41	1 39	21 0	21 16	19 47			n.a.
T 9	10 26	15 19	2 29	1 20	3 22	19 12	1 17	22 57	1 11	24 5	1 23	16 19	2 2	17 37	0 45	21 6	1 9	23 41	1 39	21 0	21 16	19 49			n.a.
W10	10 4	11 24	3 27	1 19	3 22	18 53	1 18	22 49	1 12	24 5	1 23	16 16	2 2	17 36	0 45	21 6	1 9	23 41	1 39	21 1	21 17	19 50			n.a.
T 11	9 42	6 50	4 15	1 22	3 20	18 33	1 19	22 41	1 12	24 6	1 23	16 14	2 2	17 35	0 45	21 6	1 9	23 42	1 39	21 2	21 17	19 51			n.a.
F 12	9 21	1 52	4 49	1 29	3 17	18 13	1 20	22 33	1 13	24 6	1 23	16 11	2 2	17 34	0 45	21 6	1 9	23 42	1 39	21 3	21 18	19 53			n.a.
S 13	8 59	3s16	5 7	1 38	3 12	17 52	1 22	22 24	1 13	24 6	1 22	16 9	2 2	17 33	0 45	21 7	1 9	23 42	1 40	21 5	21 19	19 54			n.a.
S 14	8 36	8 17	5 8	1 52	3 6	17 31	1 23	22 15	1 13	24 7	1 22	16 6	2 2	17 33	0 45	21 7	1 9	23 42	1 40	21 6	21 19	19 55			n.a.
M15	8 14	12 54	4 50	2 8	2 58	17 9	1 24	22 6	1 14	24 7	1 22	16 4	2 2	17 32	0 45	21 7	1 9	23 42	1 40	21 6	21 20	19 57			n.a.
T 16	7 52	16 51	4 14	2 27	2 50	16 47	1 24	21 57	1 14	24 7	1 22	16 2	2 2	17 31	0 45	21 8	1 9	23 43	1 40	21 7	21 20	19 58			n.a.
W17	7 30	19 49	3 23	2 49	2 39	16 24	1 25	21 48	1 15	24 7	1 22	15 59	2 2	17 30	0 45	21 8	1 9	23 43	1 40	21 7	21 21	19 59			n.a.
T 18	7 7	21 34	2 19	3 12	2 28	16 1	1 26	21 38	1 15	24 7	1 22	15 57	2 2	17 29	0 45	21 8	1 9	23 43	1 40	21 7	21 22	20 1			n.a.
F 19	6 45	21 57	1 7	3 38	2 15	15 37	1 27	21 28	1 16	24 7	1 22	15 54	2 3	17 28	0 45	21 8	1 9	23 43	1 40	21 6	21 22	20 2			n.a.
S 20	6 22	20 55	0s 9	4 6	2 2	15 13	1 27	21 18	1 16	24 8	1 22	15 52	2 3	17 27	0 45	21 9	1 9	23 43	1 41	21 6	21 23	20 3			n.a.
S 21	5 59	18 36	1 23	4 34	1 47	14 49	1 28	21 8	1 17	24 8	1 21	15 50	2 3	17 26	0 45	21 9	1 8	23 43	1 41	21 6	21 23	20 5			n.a.
M22	5 36	15 13	2 32	5 3	1 32	14 24	1 29	20 58	1 17	24 8	1 21	15 47	2 3	17 25	0 45	21 9	1 8	23 44	1 41	21 7	21 24	20 6			n.a.
T 23	5 13	11 3	3 31	5 33	1 16	13 59	1 29	20 47	1 17	24 8	1 21	15 45	2 3	17 24	0 45	21 9	1 8	23 44	1 41	21 8	21 25	20 7			n.a.
W24	4 50	6 23	4 17	6 2	1 0	13 34	1 29	20 36	1 18	24 8	1 21	15 42	2 3	17 24	0 45	21 10	1 8	23 44	1 41	21 10	21 25	20 9			n.a.
T 25	4 27	1 32	4 48	6 31	0 43	13 8	1 30	20 25	1 18	24 8	1 21	15 40	2 3	17 23	0 45	21 10	1 8	23 44	1 41	21 11	21 26	20 10			n.a.
F 26	4 4	3n17	5 4	6 59	0 26	12 41	1 30	20 14	1 19	24 8	1 21	15 38	2 3	17 22	0 45	21 10	1 8	23 44	1 41	21 13	21 26	20 11			n.a.
S 27	3 41	7 51	5 4	7 26	0 10	12 15	1 30	20 2	1 19	24 7	1 20	15 35	2 4	17 21	0 45	21 10	1 8	23 44	1 42	21 15	21 27	20 13			n.a.
S 28	3 18	12 0	4 50	7 52	0s 7	11 48	1 30	19 51	1 19	24 7	1 20	15 33	2 4	17 20	0 45	21 10	1 8	23 44	1 42	21 16	21 28	20 14			n.a.
M29	2 55	15 36	4 23	8 16	0 23	11 21	1 30	19 39	1 20	24 7	1 20	15 31	2 4	17 19	0 45	21 11	1 8	23 45	1 42	21 17	21 28	20 15			n.a.
T 30	2 31	18 30	3 45	8 38	0 38	10 53	1 30	19 27	1 20	24 7	1 20	15 28	2 4	17 18	0 45	21 11	1 8	23 45	1 42	21 18	21 29	20 16			n.a.
W31	2s 8	20n37	2s58	8s57	0s53	10s26	1s30	19s15	1s20	24n 7	1n20	15s26	2s 4	17s18	0s45	21n11	1n 8	23s45	1s42	21n18	21n29	20n18			n.a.

Julian Day Number = 1105670.5, Delta T = 10h57m57s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'40, Lahiri = -27°12'39 Julian Calendar 1 March 1686 BCE == Greg. Calendar 15 Feb. 1686 BCE

The year -1685 astronomical counting style corresponds to year 1686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

APRIL 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 36 51	25♓40'51	2♋41	9°R22	8♓24	11♒10	16♋57	24♒57	15♒16	2°R 2	8°R 4	26♋13	25♋11	18♊31	n.a.	T 1
F 2	11 40 47	26°38'29	14°36	9♓16	9°37	11°56	16°57	25° 4	15°18	2♌ 1	8♐ 4	26°14	25° 7	18°38	n.a.	F 2
S 3	11 44 44	27°36'05	26°41	9°D14	10°50	12°41	16°58	25°11	15°21	2° 1	8° 4	26°R15	25° 4	18°44	n.a.	S 3
S 4	11 48 41	28°33'40	9♌ 0	9°17	12° 4	13°26	16°59	25°18	15°24	2° 0	8° 4	26°14	25° 1	18°51	n.a.	S 4
M 5	11 52 37	29°31'13	21°38	9°25	13°17	14°11	17° 0	25°24	15°26	1°59	8° 3	26°11	24°58	18°58	n.a.	M 5
T 6	11 56 34	0♈28'44	4♍38	9°37	14°30	14°56	17° 2	25°31	15°29	1°58	8° 3	26° 6	24°55	19° 4	n.a.	T 6
W 7	12 0 30	1°26'14	17°59	9°54	15°43	15°41	17° 3	25°38	15°32	1°58	8° 3	25°58	24°51	19°11	n.a.	W 7
T 8	12 4 27	2°23'42	1♎42	10°15	16°56	16°26	17° 5	25°45	15°34	1°57	8° 2	25°49	24°48	19°18	n.a.	T 8
F 9	12 8 23	3°21'09	15°44	10°40	18°10	17°11	17° 7	25°51	15°37	1°56	8° 2	25°38	24°45	19°24	n.a.	F 9
S 10	12 12 20	4°18'35	29°59	11°10	19°23	17°56	17° 9	25°58	15°39	1°56	8° 2	25°28	24°42	19°31	n.a.	S 10
S 11	12 16 16	5°16'00	14♏21	11°44	20°36	18°41	17°11	26° 5	15°42	1°55	8° 1	25°19	24°39	19°38	n.a.	S 11
M12	12 20 13	6°13'24	28°46	12°21	21°49	19°25	17°14	26°11	15°44	1°55	8° 1	25°12	24°36	19°44	n.a.	M12
T 13	12 24 9	7°10'47	13♐ 8	13° 3	23° 3	20°10	17°16	26°18	15°47	1°54	8° 0	25° 8	24°32	19°51	n.a.	T 13
W14	12 28 6	8° 8'09	27°24	13°48	24°16	20°55	17°19	26°24	15°49	1°54	8° 0	25° 6	24°29	19°58	n.a.	W14
T 15	12 32 3	9° 5'30	11♑32	14°37	25°29	21°39	17°22	26°31	15°51	1°53	7°59	25°D 6	24°26	20° 4	n.a.	T 15
F 16	12 35 59	10° 2'51	25°30	15°30	26°43	22°24	17°25	26°37	15°54	1°53	7°58	25°R 6	24°23	20°11	n.a.	F 16
S 17	12 39 56	11° 0'11	9♒18	16°26	27°56	23° 8	17°28	26°43	15°56	1°53	7°58	25° 5	24°20	20°18	n.a.	S 17
S 18	12 43 52	11°57'30	22°57	17°25	29° 9	23°53	17°32	26°50	15°58	1°52	7°57	25° 3	24°17	20°24	n.a.	S 18
M19	12 47 49	12°54'48	6♓26	18°28	0♈23	24°37	17°35	26°56	16° 0	1°52	7°57	24°58	24°13	20°31	n.a.	M19
T 20	12 51 45	13°52'05	19°44	19°34	1°36	25°21	17°39	27° 2	16° 3	1°52	7°56	24°50	24°10	20°38	n.a.	T 20
W21	12 55 42	14°49'22	2♈51	20°43	2°49	26° 6	17°43	27° 8	16° 5	1°51	7°55	24°40	24° 7	20°44	n.a.	W21
T 22	12 59 39	15°46'37	15°44	21°55	4° 3	26°50	17°47	27°14	16° 7	1°51	7°54	24°27	24° 4	20°51	n.a.	T 22
F 23	13 3 35	16°43'52	28°25	23°10	5°16	27°34	17°51	27°20	16° 9	1°51	7°54	24°14	24° 1	20°58	n.a.	F 23
S 24	13 7 32	17°41'06	10♉51	24°28	6°29	28°18	17°56	27°26	16°11	1°51	7°53	24° 2	23°57	21° 4	n.a.	S 24
S 25	13 11 28	18°38'19	23° 5	25°48	7°43	29° 2	18° 0	27°32	16°13	1°51	7°52	23°51	23°54	21°11	n.a.	S 25
M26	13 15 25	19°35'31	5♊ 7	27°12	8°56	29°46	18° 5	27°38	16°15	1°51	7°51	23°42	23°51	21°18	n.a.	M26
T 27	13 19 21	20°32'42	17° 1	28°38	10° 9	0♓30	18°10	27°43	16°17	1°51	7°50	23°36	23°48	21°24	n.a.	T 27
W28	13 23 18	21°29'53	28°50	0♈ 8	11°23	1°14	18°15	27°49	16°19	1°D51	7°49	23°33	23°45	21°31	n.a.	W28
T 29	13 27 14	22°27'02	10♋39	1°40	12°36	1°57	18°20	27°55	16°20	1°51	7°49	23°32	23°42	21°38	n.a.	T 29
F 30	13 31 11	23♈24'11	22♋33	3♈15	13♈50	2♓41	18♋26	28♒ 0	16♒22	1♌51	7♐48	23♋31	23♋38	21♊44	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s45	21n49	2s 3	9s15	1s 8	9s58	1s30	19s 2	1s21	24n 7	1n20	15s24	2s 4	17s17	0s45	21n11	1n 8	23s45	1s42	21n18	21n30	20n19		n.a.
F 2	1 22	22 3	1 2	9 30	1 22	9 29	1 30	18 50	1 21	24 6	1 20	15 21	2 4	17 16	0 45	21 11	1 8	23 45	1 42	21 18	21 31	20 20		n.a.
S 3	0 58	21 15	0n 2	9 43	1 35	9 1	1 29	18 37	1 21	24 6	1 19	15 19	2 4	17 15	0 45	21 12	1 8	23 45	1 43	21 18	21 31	20 22		n.a.
S 4	0 35	19 26	1 8	9 53	1 47	8 32	1 29	18 24	1 22	24 6	1 19	15 17	2 5	17 14	0 45	21 12	1 8	23 45	1 43	21 18	21 32	20 23		n.a.
M 5	0 12	16 37	2 11	10 0	1 58	8 3	1 29	18 11	1 22	24 6	1 19	15 15	2 5	17 14	0 45	21 12	1 8	23 45	1 43	21 19	21 32	20 24		n.a.
T 6	0n12	12 56	3 10	10 5	2 9	7 34	1 28	17 58	1 22	24 5	1 19	15 13	2 5	17 13	0 45	21 12	1 8	23 45	1 43	21 20	21 33	20 25		n.a.
W 7	0 35	8 30	3 59	10 8	2 18	7 4	1 28	17 45	1 23	24 5	1 19	15 10	2 5	17 12	0 45	21 12	1 8	23 45	1 43	21 21	21 34	20 27		n.a.
T 8	0 58	3 31	4 37	10 8	2 27	6 35	1 27	17 31	1 23	24 4	1 19	15 8	2 5	17 11	0 45	21 12	1 8	23 45	1 43	21 23	21 34	20 28		n.a.
F 9	1 21	1s44	4 58	10 5	2 35	6 5	1 26	17 18	1 23	24 4	1 18	15 6	2 5	17 11	0 45	21 12	1 8	23 46	1 43	21 25	21 35	20 29		n.a.
S 10	1 45	6 59	5 2	10 0	2 42	5 35	1 25	17 4	1 23	24 4	1 18	15 4	2 6	17 10	0 45	21 12	1 8	23 46	1 43	21 27	21 35	20 30		n.a.
S 11	2 8	11 54	4 46	9 52	2 48	5 5	1 25	16 50	1 24	24 3	1 18	15 2	2 6	17 9	0 45	21 13	1 8	23 46	1 44	21 28	21 36	20 32		n.a.
M12	2 31	16 9	4 13	9 42	2 53	4 35	1 24	16 36	1 24	24 3	1 18	15 0	2 6	17 8	0 45	21 13	1 8	23 46	1 44	21 30	21 36	20 33		n.a.
T 13	2 54	19 27	3 23	9 30	2 57	4 5	1 23	16 22	1 24	24 2	1 18	14 57	2 6	17 8	0 45	21 13	1 8	23 46	1 44	21 30	21 37	20 34		n.a.
W14	3 17	21 30	2 21	9 15	3 1	3 34	1 22	16 8	1 24	24 2	1 18	14 55	2 6	17 7	0 45	21 13	1 8	23 46	1 44	21 31	21 38	20 35		n.a.
T 15	3 40	22 12	1 11	8 59	3 4	3 3	1 21	15 53	1 25	24 1	1 18	14 53	2 7	17 6	0 45	21 13	1 8	23 46	1 44	21 31	21 38	20 37		n.a.
F 16	4 3	21 29	0s 2	8 40	3 6	2 33	1 20	15 39	1 25	24 1	1 17	14 51	2 7	17 6	0 46	21 13	1 8	23 46	1 44	21 31	21 39	20 38		n.a.
S 17	4 26	19 28	1 15	8 18	3 7	2 2	1 19	15 24	1 25	24 0	1 17	14 49	2 7	17 5	0 46	21 13	1 8	23 46	1 44	21 31	21 39	20 39		n.a.
S 18	4 49	16 21	2 22	7 55	3 7	1 31	1 17	15 9	1 25	23 59	1 17	14 47	2 7	17 4	0 46	21 13	1 8	23 46	1 45	21 31	21 40	20 40		n.a.
M19	5 12	12 25	3 20	7 30	3 7	1 0	1 16	14 54	1 26	23 59	1 17	14 45	2 7	17 4	0 46	21 13	1 8	23 46	1 45	21 32	21 40	20 41		n.a.
T 20	5 34	7 54	4 7	7 2	3 6	0 30	1 15	14 39	1 26	23 58	1 17	14 43	2 7	17 3	0 46	21 13	1 8	23 46	1 45	21 34	21 41	20 43		n.a.
W21	5 57	3 6	4 39	6 33	3 4	0n 1	1 13	14 24	1 26	23 57	1 17	14 41	2 8	17 2	0 46	21 13	1 8	23 46	1 45	21 36	21 42	20 44		n.a.
T 22	6 19	1n45	4 57	6 2	3 1	0 32	1 12	14 9	1 26	23 57	1 16	14 39	2 8	17 2	0 46	21 13	1 8	23 46	1 45	21 38	21 42	20 45		n.a.
F 23	6 42	6 27	5 0	5 29	2 58	1 3	1 11	13 54	1 26	23 56	1 16	14 37	2 8	17 1	0 46	21 13	1 8	23 46	1 45	21 40	21 43	20 46		n.a.
S 24	7 4	10 49	4 48	4 54	2 54	1 34	1 9	13 38	1 26	23 55	1 16	14 36	2 8	17 1	0 46	21 13	1 8	23 46	1 45	21 42	21 43	20 47		n.a.
S 25	7 26	14 39	4 23	4 17	2 50	2 5	1 8	13 23	1 27	23 54	1 16	14 34	2 8	17 0	0 46	21 13	1 8	23 46	1 45	21 44	21 44	20 49		n.a.
M26	7 48	17 51	3 46	3 38	2 44	2 36	1 6	13 7	1 27	23 54	1 16	14 32	2 9	16 59	0 46	21 13	1 8	23 46	1 46	21 46	21 44	20 50		n.a.
T 27	8 10	20 15	3 0	2 58	2 39	3 7	1 4	12 51	1 27	23 53	1 16	14 30	2 9	16 59	0 46	21 13	1 8	23 46	1 46	21 47	21 45	20 51		n.a.
W28	8 32	21 46	2 7	2 16	2 32	3 38	1 3	12 36	1 27	23 52	1 16	14 28	2 9	16 58	0 46	21 13	1 8	23 46	1 46	21 48	21 46	20 52		n.a.
T 29	8 54	22 20	1 8	1 33	2 25	4 8	1 1	12 20	1 27	23 51	1 15	14 26	2 9	16 58	0 46	21 13	1 8	23 46	1 46	21 48	21 46	20 53		n.a.
F 30	9n15	21n53	0s 5	0s47	2s18	4n39	0s59	12s 4	1s27	23n50	1n15	14s25	2s10	16s57	0s46	21n13	1n 8	23s46	1s46	21n48	21n47	20n54		n.a.

Julian Day Number = 1105701.5, Delta T = 10h57m55s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'36, Lahiri = -27°12'35 Julian Calendar 1 Apr. 1686 BCE == Greg. Calendar 18 March 1686 BCE

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

MAY 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 35 8	24♈21'18	4♌37	4♈52	15♈ 3	3♓25	18♋31	28♒ 5	16♒24	1♌51	7°R47	23°R31	23♋35	21♊51	n.a.	S 1
S 2	13 39 4	25°18'25	16°57	6°33	16°16	4° 8	18°37	28°11	16°26	1°51	7♐46	23♋30	23°32	21°58	n.a.	S 2
M 3	13 43 1	26°15'31	29°37	8°16	17°30	4°52	18°43	28°16	16°27	1°51	7°45	23°27	23°29	22° 4	n.a.	M 3
T 4	13 46 57	27°12'36	12♍42	10° 1	18°43	5°35	18°49	28°21	16°29	1°51	7°44	23°22	23°26	22°11	n.a.	T 4
W 5	13 50 54	28° 9'41	26°14	11°49	19°57	6°18	18°55	28°27	16°30	1°51	7°43	23°14	23°22	22°18	n.a.	W 5
T 6	13 54 50	29° 6'45	10♎11	13°40	21°10	7° 2	19° 1	28°32	16°32	1°52	7°42	23° 4	23°19	22°24	n.a.	T 6
F 7	13 58 47	0♉ 3'48	24°31	15°34	22°24	7°45	19° 7	28°37	16°33	1°52	7°41	22°53	23°16	22°31	n.a.	F 7
S 8	14 2 43	1° 0'51	9♏ 9	17°29	23°37	8°28	19°14	28°42	16°35	1°52	7°40	22°42	23°13	22°38	n.a.	S 8
S 9	14 6 40	1°57'54	23°57	19°28	24°51	9°11	19°20	28°47	16°36	1°53	7°39	22°32	23°10	22°44	n.a.	S 9
M10	14 10 37	2°54'56	8♐45	21°28	26° 4	9°54	19°27	28°51	16°38	1°53	7°37	22°25	23° 7	22°51	n.a.	M10
T 11	14 14 33	3°51'59	23°28	23°30	27°18	10°37	19°34	28°56	16°39	1°53	7°36	22°20	23° 3	22°58	n.a.	T 11
W12	14 18 30	4°49'02	7♑59	25°34	28°31	11°20	19°41	29° 1	16°40	1°54	7°35	22°18	23° 0	23° 4	n.a.	W12
T 13	14 22 26	5°46'05	22°14	27°40	29°45	12° 3	19°48	29° 5	16°41	1°54	7°34	22°D17	22°57	23°11	n.a.	T 13
F 14	14 26 23	6°43'07	6♒13	29°48	0♉58	12°45	19°55	29°10	16°43	1°55	7°33	22°R17	22°54	23°18	n.a.	F 14
S 15	14 30 19	7°40'10	19°54	1♉56	2°12	13°28	20° 3	29°14	16°44	1°55	7°32	22°17	22°51	23°24	n.a.	S 15
S 16	14 34 16	8°37'14	3♓21	4° 6	3°25	14°10	20°10	29°18	16°45	1°56	7°30	22°15	22°48	23°31	n.a.	S 16
M17	14 38 13	9°34'17	16°33	6°16	4°39	14°53	20°18	29°23	16°46	1°56	7°29	22°10	22°44	23°38	n.a.	M17
T 18	14 42 9	10°31'20	29°31	8°26	5°53	15°35	20°26	29°27	16°47	1°57	7°28	22° 3	22°41	23°44	n.a.	T 18
W19	14 46 6	11°28'24	12♈18	10°37	7° 6	16°18	20°34	29°31	16°48	1°58	7°27	21°53	22°38	23°51	n.a.	W19
T 20	14 50 2	12°25'28	24°54	12°47	8°20	17° 0	20°42	29°35	16°49	1°58	7°25	21°42	22°35	23°58	n.a.	T 20
F 21	14 53 59	13°22'32	7♉18	14°57	9°34	17°42	20°50	29°39	16°49	1°59	7°24	21°30	22°32	24° 4	n.a.	F 21
S 22	14 57 55	14°19'36	19°32	17° 6	10°47	18°24	20°58	29°43	16°50	2° 0	7°23	21°18	22°28	24°11	n.a.	S 22
S 23	15 1 52	15°16'41	1♊36	19°15	12° 1	19° 6	21° 7	29°46	16°51	2° 0	7°22	21° 8	22°25	24°18	n.a.	S 23
M24	15 5 48	16°13'46	13°32	21°22	13°15	19°48	21°15	29°50	16°52	2° 1	7°20	21° 0	22°22	24°24	n.a.	M24
T 25	15 9 45	17°10'50	25°22	23°28	14°28	20°30	21°24	29°53	16°52	2° 2	7°19	20°54	22°19	24°31	n.a.	T 25
W26	15 13 42	18° 7'55	7♋ 9	25°32	15°42	21°12	21°32	29°57	16°53	2° 3	7°18	20°51	22°16	24°38	n.a.	W26
T 27	15 17 38	19° 5'00	18°56	27°35	16°56	21°53	21°41	0♓ 0	16°53	2° 4	7°16	20°D50	22°13	24°44	n.a.	T 27
F 28	15 21 35	20° 2'05	0♌49	29°37	18° 9	22°35	21°50	0° 4	16°54	2° 5	7°15	20°50	22° 9	24°51	n.a.	F 28
S 29	15 25 31	20°59'10	12°52	1♊37	19°23	23°16	21°59	0° 7	16°54	2° 6	7°14	20°51	22° 6	24°58	n.a.	S 29
S 30	15 29 28	21°56'15	25°11	3°35	20°37	23°58	22° 8	0°10	16°55	2° 7	7°12	20°R51	22° 3	25° 4	n.a.	S 30
M31	15 33 24	22♉53'21	7♍50	5♊31	21♉51	24♓39	22♋18	0♓13	16♒55	2♌ 8	7♐11	20♋50	22♋ 0	25♊11	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n37	20n25	0n58	0s 1	2s10	5n10	0s57	11s48	1s27	23n49	1n15	14s23	2s10	16s57	0s46	21n13	1n 8	23s46	1s46	21n48	21n47	20n56		n.a.
S 2	9 58	17 58	2 1	0n47	2 2	5 40	0 55	11 32	1 28	23 48	1 15	14 21	2 10	16 56	0 46	21 13	1 8	23 46	1 46	21 48	21 48	20 57		n.a.
M 3	10 19	14 36	2 59	1 37	1 53	6 10	0 53	11 16	1 28	23 47	1 15	14 20	2 10	16 56	0 46	21 13	1 8	23 46	1 47	21 49	21 48	20 58		n.a.
T 4	10 40	10 26	3 49	2 28	1 43	6 41	0 51	10 59	1 28	23 46	1 15	14 18	2 10	16 55	0 46	21 13	1 8	23 46	1 47	21 50	21 49	20 59		n.a.
W 5	11 1	5 37	4 29	3 20	1 34	7 11	0 50	10 43	1 28	23 45	1 15	14 16	2 11	16 55	0 46	21 13	1 7	23 46	1 47	21 51	21 49	21 0		n.a.
T 6	11 22	0 23	4 53	4 13	1 24	7 41	0 48	10 27	1 28	23 44	1 14	14 15	2 11	16 55	0 46	21 13	1 7	23 46	1 47	21 53	21 50	21 1		n.a.
F 7	11 42	5s 1	5 1	5 7	1 13	8 10	0 45	10 11	1 28	23 43	1 14	14 13	2 11	16 54	0 46	21 13	1 7	23 46	1 47	21 54	21 50	21 3		n.a.
S 8	12 3	10 16	4 49	6 2	1 3	8 40	0 43	9 54	1 28	23 42	1 14	14 12	2 11	16 54	0 46	21 13	1 7	23 46	1 47	21 56	21 51	21 4		n.a.
S 9	12 23	14 57	4 17	6 57	0 52	9 9	0 41	9 38	1 28	23 41	1 14	14 10	2 12	16 53	0 46	21 13	1 7	23 46	1 47	21 58	21 52	21 5		n.a.
M10	12 43	18 44	3 29	7 53	0 41	9 39	0 39	9 21	1 28	23 40	1 14	14 9	2 12	16 53	0 46	21 12	1 7	23 45	1 47	21 59	21 52	21 6		n.a.
T 11	13 3	21 17	2 26	8 50	0 30	10 8	0 37	9 5	1 28	23 39	1 14	14 7	2 12	16 53	0 46	21 12	1 7	23 45	1 48	22 0	21 53	21 7		n.a.
W12	13 22	22 24	1 15	9 46	0 19	10 36	0 35	8 48	1 28	23 38	1 14	14 6	2 12	16 52	0 46	21 12	1 7	23 45	1 48	22 0	21 53	21 8		n.a.
T 13	13 42	22 1	0 0	10 43	0 8	11 5	0 33	8 31	1 28	23 36	1 13	14 4	2 13	16 52	0 46	21 12	1 7	23 45	1 48	22 0	21 54	21 9		n.a.
F 14	14 1	20 15	1s13	11 39	0n 3	11 33	0 30	8 15	1 28	23 35	1 13	14 3	2 13	16 52	0 47	21 12	1 7	23 45	1 48	22 0	21 54	21 10		n.a.
S 15	14 20	17 21	2 21	12 35	0 13	12 1	0 28	7 58	1 28	23 34	1 13	14 2	2 13	16 51	0 47	21 12	1 7	23 45	1 48	22 1	21 55	21 11		n.a.
S 16	14 38	13 33	3 20	13 30	0 24	12 29	0 26	7 41	1 28	23 33	1 13	14 0	2 13	16 51	0 47	21 12	1 7	23 45	1 48	22 1	21 55	21 13		n.a.
M17	14 57	9 11	4 6	14 24	0 34	12 57	0 24	7 25	1 28	23 31	1 13	13 59	2 14	16 51	0 47	21 11	1 7	23 45	1 48	22 2	21 56	21 14		n.a.
T 18	15 15	4 27	4 39	15 16	0 44	13 24	0 21	7 8	1 28	23 30	1 13	13 58	2 14	16 50	0 47	21 11	1 7	23 45	1 48	22 3	21 56	21 15		n.a.
W19	15 33	0n23	4 58	16 7	0 53	13 51	0 19	6 51	1 28	23 29	1 13	13 57	2 14	16 50	0 47	21 11	1 7	23 45	1 48	22 4	21 57	21 16		n.a.
T 20	15 51	5 9	5 2	16 57	1 2	14 17	0 17	6 34	1 28	23 27	1 13	13 55	2 14	16 50	0 47	21 11	1 7	23 45	1 49	22 6	21 58	21 17		n.a.
F 21	16 9	9 38	4 51	17 44	1 10	14 43	0 14	6 17	1 28	23 26	1 12	13 54	2 15	16 50	0 47	21 11	1 7	23 44	1 49	22 8	21 58	21 18		n.a.
S 22	16 26	13 40	4 27	18 30	1 17	15 9	0 12	6 1	1 28	23 25	1 12	13 53	2 15	16 50	0 47	21 11	1 7	23 44	1 49	22 10	21 59	21 19		n.a.
S 23	16 43	17 6	3 51	19 13	1 24	15 34	0 10	5 44	1 28	23 23	1 12	13 52	2 15	16 49	0 47	21 10	1 7	23 44	1 49	22 12	21 59	21 20		n.a.
M24	17 0	19 47	3 5	19 54	1 31	16 0	0 7	5 27	1 28	23 22	1 12	13 51	2 16	16 49	0 47	21 10	1 7	23 44	1 49	22 13	22 0	21 21		n.a.
T 25	17 17	21 37	2 12	20 32	1 36	16 24	0 5	5 10	1 28	23 20	1 12	13 50	2 16	16 49	0 47	21 10	1 7	23 44	1 49	22 14	22 0	21 22		n.a.
W26	17 33	22 29	1 13	21 9	1 41	16 48	0 3	4 53	1 27	23 19	1 12	13 49	2 16	16 49	0 47	21 10	1 7	23 44	1 49	22 14	22 1	21 23		n.a.
T 27	17 49	22 21	0 10	21 42	1 46	17 12	0 0	4 36	1 27	23 17	1 12	13 48	2 16	16 49	0 47	21 9	1 7	23 44	1 49	22 14	22 1	21 24		n.a.
F 28	18 5	21 13	0n53	22 13	1 49	17 36	0n 2	4 20	1 27	23 16	1 12	13 47	2 17	16 49	0 47	21 9	1 7	23 44	1 49	22 14	22 2	21 25		n.a.
S 29	18 20	19 6	1 55	22 42	1 52	17 59	0 5	4 3	1 27	23 14	1 12	13 46	2 17	16 49	0 47	21 9	1 7	23 44	1 50	22 14	22 2	21 26		n.a.
S 30	18 36	16 5	2 53	23 8	1 54	18 21	0 7	3 46	1 27	23 12	1 11	13 45	2 17	16 48	0 47	21 9	1 7	23 43	1 50	22 14	22 3	21 28		n.a.
M31	18n51	12n15	3n45	23n32	1n56	18n43	0n 9	3s29	1s27	23n11	1n11	13s45	2s17	16s48	0s47	21n 8	1n 7	23s43	1s50	22n14	22n 3	21n29		n.a.

Julian Day Number = 1105731.5, Delta T = 10h57m53s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'32, Lahiri = -27°12'31 Julian Calendar 1 May 1686 BCE == Greg. Calendar 17 Apr. 1686 BCE

The year -1685 astronomical counting style corresponds to year 1686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

JUNE 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 37 21	23♉50'26	20♍53	7♊26	23♉ 5	25♓20	22♋27	0♓16	16♒56	2♌ 9	7°R 9	20°R47	21♋57	25♊18	n.a.	T 1
W 2	15 41 18	24°47'32	4♎25	9°18	24°18	26° 1	22°36	0°18	16°56	2°10	7♐ 8	20♋42	21°54	25°24	n.a.	W 2
T 3	15 45 14	25°44'38	18°25	11° 9	25°32	26°42	22°46	0°21	16°56	2°11	7° 7	20°35	21°50	25°31	n.a.	T 3
F 4	15 49 11	26°41'44	2♏53	12°58	26°46	27°23	22°55	0°24	16°56	2°12	7° 5	20°27	21°47	25°38	n.a.	F 4
S 5	15 53 7	27°38'51	17°42	14°45	28° 0	28° 4	23° 5	0°26	16°56	2°13	7° 4	20°19	21°44	25°44	n.a.	S 5
S 6	15 57 4	28°35'58	2♐45	16°30	29°14	28°45	23°15	0°29	16°56	2°14	7° 2	20°12	21°41	25°51	n.a.	S 6
M 7	16 1 0	29°33'07	17°52	18°14	0♊28	29°26	23°25	0°31	16°R56	2°16	7° 1	20° 7	21°38	25°58	n.a.	M 7
T 8	16 4 57	0♊30'16	2♑55	19°55	1°41	0♈ 6	23°35	0°33	16°56	2°17	7° 0	20° 4	21°34	26° 4	n.a.	T 8
W 9	16 8 53	1°27'26	17°44	21°35	2°55	0°47	23°45	0°35	16°56	2°18	6°58	20°D 3	21°31	26°11	n.a.	W 9
T 10	16 12 50	2°24'37	2♒13	23°13	4° 9	1°27	23°55	0°37	16°56	2°19	6°57	20° 3	21°28	26°18	n.a.	T 10
F 11	16 16 47	3°21'49	16°22	24°49	5°23	2° 7	24° 5	0°39	16°56	2°21	6°55	20° 4	21°25	26°24	n.a.	F 11
S 12	16 20 43	4°19'02	0♓ 7	26°23	6°37	2°48	24°16	0°41	16°56	2°22	6°54	20°R 5	21°22	26°31	n.a.	S 12
S 13	16 24 40	5°16'16	13°31	27°55	7°51	3°28	24°26	0°43	16°56	2°24	6°52	20° 5	21°19	26°38	n.a.	S 13
M14	16 28 36	6°13'32	26°35	29°26	9° 5	4° 8	24°37	0°44	16°55	2°25	6°51	20° 3	21°15	26°44	n.a.	M14
T 15	16 32 33	7°10'48	9♈23	0♋55	10°19	4°48	24°47	0°46	16°55	2°26	6°50	19°59	21°12	26°51	n.a.	T 15
W16	16 36 29	8° 8'06	21°56	2°21	11°33	5°28	24°58	0°47	16°54	2°28	6°48	19°53	21° 9	26°58	n.a.	W16
T 17	16 40 26	9° 5'25	4♉16	3°46	12°47	6° 7	25° 9	0°48	16°54	2°29	6°47	19°47	21° 6	27° 4	n.a.	T 17
F 18	16 44 23	10° 2'45	16°27	5° 9	14° 1	6°47	25°20	0°50	16°53	2°31	6°45	19°40	21° 3	27°11	n.a.	F 18
S 19	16 48 19	11° 0'06	28°29	6°30	15°15	7°26	25°31	0°51	16°53	2°32	6°44	19°33	20°59	27°18	n.a.	S 19
S 20	16 52 16	11°57'29	10♊25	7°49	16°29	8° 6	25°41	0°52	16°52	2°34	6°42	19°27	20°56	27°24	n.a.	S 20
M21	16 56 12	12°54'53	22°15	9° 6	17°43	8°45	25°53	0°53	16°52	2°35	6°41	19°22	20°53	27°31	n.a.	M21
T 22	17 0 9	13°52'17	4♋ 3	10°20	18°57	9°24	26° 4	0°53	16°51	2°37	6°40	19°19	20°50	27°38	n.a.	T 22
W23	17 4 5	14°49'43	15°49	11°33	20°12	10° 3	26°15	0°54	16°50	2°39	6°38	19°D18	20°47	27°44	n.a.	W23
T 24	17 8 2	15°47'10	27°39	12°43	21°26	10°42	26°26	0°55	16°49	2°40	6°37	19°18	20°44	27°51	n.a.	T 24
F 25	17 11 58	16°44'38	9♌34	13°51	22°40	11°21	26°37	0°55	16°49	2°42	6°35	19°19	20°40	27°57	n.a.	F 25
S 26	17 15 55	17°42'07	21°38	14°56	23°54	12° 0	26°49	0°55	16°48	2°44	6°34	19°21	20°37	28° 4	n.a.	S 26
S 27	17 19 52	18°39'37	3♍57	15°59	25° 8	12°38	27° 0	0°56	16°47	2°45	6°32	19°22	20°34	28°11	n.a.	S 27
M28	17 23 48	19°37'08	16°34	16°59	26°22	13°17	27°12	0°56	16°46	2°47	6°31	19°R23	20°31	28°17	n.a.	M28
T 29	17 27 45	20°34'40	29°34	17°57	27°37	13°55	27°23	0°R56	16°45	2°49	6°30	19°23	20°28	28°24	n.a.	T 29
W30	17 31 41	21♊32'14	13♎ 0	18♋51	28♊51	14♈33	27♋35	0♓56	16♒44	2♌50	6♐28	19♋21	20♋25	28♊31	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n 5	7n44	4n26	23n53	1n57	19n 5	0n12	3s12	1s27	23n 9	1n11	13s44	2s18	16s48	0s47	21n 8	1n 7	23s43	1s50	22n15	22n 4	21n30		n.a.
W 2	19 19	2 42	4 54	24 12	1 57	19 26	0 14	2 56	1 26	23 7	1 11	13 43	2 18	16 48	0 47	21 8	1 7	23 43	1 50	22 16	22 4	21 31		n.a.
T 3	19 33	2s39	5 6	24 28	1 57	19 46	0 16	2 39	1 26	23 6	1 11	13 42	2 18	16 48	0 47	21 8	1 7	23 43	1 50	22 17	22 5	21 32		n.a.
F 4	19 47	8 1	4 59	24 42	1 56	20 6	0 19	2 22	1 26	23 4	1 11	13 42	2 19	16 48	0 47	21 7	1 7	23 43	1 50	22 18	22 5	21 33		n.a.
S 5	20 0	13 4	4 32	24 54	1 55	20 25	0 21	2 5	1 26	23 2	1 11	13 41	2 19	16 48	0 47	21 7	1 7	23 43	1 50	22 19	22 6	21 34		n.a.
S 6	20 13	17 24	3 47	25 3	1 53	20 44	0 23	1 49	1 26	23 0	1 11	13 41	2 19	16 48	0 47	21 7	1 7	23 42	1 50	22 20	22 6	21 35		n.a.
M 7	20 26	20 36	2 44	25 11	1 50	21 3	0 25	1 32	1 26	22 59	1 11	13 40	2 20	16 48	0 48	21 6	1 7	23 42	1 51	22 21	22 7	21 36		n.a.
T 8	20 38	22 20	1 31	25 16	1 47	21 20	0 28	1 15	1 25	22 57	1 11	13 39	2 20	16 48	0 48	21 6	1 7	23 42	1 51	22 22	22 7	21 37		n.a.
W 9	20 50	22 29	0 13	25 20	1 43	21 37	0 30	0 59	1 25	22 55	1 10	13 39	2 20	16 48	0 48	21 6	1 7	23 42	1 51	22 22	22 8	21 38		n.a.
T 10	21 2	21 6	1s 5	25 21	1 39	21 54	0 32	0 42	1 25	22 53	1 10	13 38	2 20	16 48	0 48	21 6	1 7	23 42	1 51	22 22	22 8	21 39		n.a.
F 11	21 13	18 25	2 17	25 21	1 34	22 10	0 34	0 26	1 25	22 51	1 10	13 38	2 21	16 49	0 48	21 5	1 7	23 42	1 51	22 21	22 9	21 40		n.a.
S 12	21 24	14 45	3 20	25 19	1 29	22 25	0 36	0 9	1 24	22 49	1 10	13 38	2 21	16 49	0 48	21 5	1 7	23 42	1 51	22 21	22 9	21 41		n.a.
S 13	21 35	10 25	4 9	25 16	1 23	22 40	0 39	0n 7	1 24	22 47	1 10	13 37	2 21	16 49	0 48	21 5	1 7	23 41	1 51	22 21	22 10	21 42		n.a.
M14	21 45	5 43	4 44	25 11	1 17	22 54	0 41	0 24	1 24	22 45	1 10	13 37	2 22	16 49	0 48	21 4	1 7	23 41	1 51	22 22	22 10	21 43		n.a.
T 15	21 55	0 52	5 4	25 4	1 11	23 7	0 43	0 40	1 24	22 43	1 10	13 37	2 22	16 49	0 48	21 4	1 6	23 41	1 51	22 22	22 11	21 44		n.a.
W16	22 5	3n56	5 9	24 56	1 4	23 20	0 45	0 56	1 23	22 41	1 10	13 37	2 22	16 49	0 48	21 3	1 6	23 41	1 51	22 23	22 11	21 44		n.a.
T 17	22 14	8 29	5 0	24 47	0 57	23 32	0 47	1 12	1 23	22 39	1 10	13 36	2 23	16 49	0 48	21 3	1 6	23 41	1 51	22 24	22 12	21 45		n.a.
F 18	22 22	12 39	4 37	24 36	0 49	23 43	0 49	1 29	1 23	22 37	1 10	13 36	2 23	16 50	0 48	21 3	1 6	23 41	1 52	22 25	22 12	21 46		n.a.
S 19	22 31	16 16	4 2	24 25	0 41	23 54	0 51	1 45	1 23	22 35	1 10	13 36	2 23	16 50	0 48	21 2	1 6	23 40	1 52	22 26	22 13	21 47		n.a.
S 20	22 39	19 12	3 16	24 12	0 33	24 4	0 53	2 1	1 22	22 33	1 10	13 36	2 23	16 50	0 48	21 2	1 6	23 40	1 52	22 27	22 13	21 48		n.a.
M21	22 46	21 18	2 22	23 58	0 24	24 13	0 54	2 17	1 22	22 30	1 10	13 36	2 24	16 50	0 48	21 2	1 6	23 40	1 52	22 28	22 14	21 49		n.a.
T 22	22 54	22 27	1 22	23 44	0 15	24 21	0 56	2 33	1 22	22 28	1 9	13 36	2 24	16 51	0 48	21 1	1 6	23 40	1 52	22 28	22 14	21 50		n.a.
W23	23 0	22 37	0 19	23 28	0 5	24 29	0 58	2 49	1 21	22 26	1 9	13 36	2 24	16 51	0 48	21 1	1 6	23 40	1 52	22 28	22 15	21 51		n.a.
T 24	23 7	21 46	0n46	23 12	0s 4	24 36	1 0	3 5	1 21	22 24	1 9	13 36	2 25	16 51	0 48	21 0	1 6	23 40	1 52	22 28	22 15	21 52		n.a.
F 25	23 13	19 56	1 49	22 55	0 14	24 42	1 2	3 20	1 21	22 21	1 9	13 36	2 25	16 51	0 48	21 0	1 6	23 39	1 52	22 28	22 16	21 53		n.a.
S 26	23 19	17 12	2 48	22 38	0 24	24 48	1 3	3 36	1 20	22 19	1 9	13 36	2 25	16 52	0 48	21 0	1 6	23 39	1 52	22 28	22 16	21 54		n.a.
S 27	23 24	13 40	3 41	22 20	0 35	24 53	1 5	3 52	1 20	22 17	1 9	13 37	2 26	16 52	0 48	20 59	1 6	23 39	1 52	22 28	22 17	21 55		n.a.
M28	23 28	9 26	4 24	22 2	0 46	24 57	1 6	4 7	1 19	22 14	1 9	13 37	2 26	16 52	0 48	20 59	1 6	23 39	1 52	22 28	22 17	21 56		n.a.
T 29	23 33	4 41	4 56	21 43	0 57	25 0	1 8	4 23	1 19	22 12	1 9	13 37	2 26	16 53	0 48	20 58	1 6	23 39	1 52	22 28	22 18	21 57		n.a.
W30	23n37	0s27	5n12	21n25	1s 8	25n 2	1n 9	4n38	1s19	22n10	1n 9	13s37	2s26	16s53	0s48	20n58	1n 6	23s39	1s53	22n28	22n18	21n57		n.a.

Julian Day Number = 1105762.5, Delta T = 10h57m51s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'27, Lahiri = -27°12'27 Julian Calendar 1 June 1686 BCE == Greg. Calendar 18 May 1686 BCE

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

JULY 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 35 38	22♊29'48	26♎54	19♋43	0♋ 5	15♈11	27♋47	0°R55	16°R43	2♌52	6°R27	19°R19	20♋21	28♊37	n.a.	T 1
F 2	17 39 34	23°27'23	11♏16	20°31	1°19	15°49	27°59	0♓55	16♒42	2°54	6♐26	19♋16	20°18	28°44	n.a.	F 2
S 3	17 43 31	24°25'00	26° 1	21°16	2°33	16°27	28°10	0°55	16°40	2°56	6°24	19°12	20°15	28°51	n.a.	S 3
S 4	17 47 27	25°22'38	11♐ 5	21°57	3°48	17° 5	28°22	0°54	16°39	2°58	6°23	19° 9	20°12	28°57	n.a.	S 4
M 5	17 51 24	26°20'18	26°18	22°34	5° 2	17°42	28°34	0°54	16°38	3° 0	6°22	19° 7	20° 9	29° 4	n.a.	M 5
T 6	17 55 21	27°17'59	11♑31	23° 8	6°16	18°20	28°46	0°53	16°37	3° 1	6°20	19° 6	20° 5	29°11	n.a.	T 6
W 7	17 59 17	28°15'42	26°33	23°37	7°30	18°57	28°58	0°52	16°35	3° 3	6°19	19°D 6	20° 2	29°17	n.a.	W 7
T 8	18 3 14	29°13'27	11♒17	24° 2	8°45	19°34	29°10	0°51	16°34	3° 5	6°18	19° 7	19°59	29°24	n.a.	T 8
F 9	18 7 10	0♋11'13	25°39	24°22	9°59	20°12	29°22	0°50	16°33	3° 7	6°16	19° 8	19°56	29°31	n.a.	F 9
S 10	18 11 7	1° 9'01	9♓34	24°37	11°13	20°49	29°35	0°49	16°31	3° 9	6°15	19° 9	19°53	29°37	n.a.	S 10
S 11	18 15 3	2° 6'51	23° 4	24°47	12°27	21°25	29°47	0°48	16°30	3°11	6°14	19°10	19°50	29°44	n.a.	S 11
M12	18 19 0	3° 4'43	6♈ 9	24°R52	13°42	22° 2	29°59	0°46	16°28	3°13	6°13	19°R10	19°46	29°51	n.a.	M12
T 13	18 22 56	4° 2'37	18°53	24°51	14°56	22°39	0♌11	0°45	16°26	3°15	6°11	19°10	19°43	29°57	n.a.	T 13
W14	18 26 53	5° 0'33	1♉20	24°45	16°10	23°15	0°24	0°43	16°25	3°17	6°10	19° 8	19°40	0♋ 4	n.a.	W14
T 15	18 30 50	5°58'31	13°32	24°32	17°25	23°51	0°36	0°42	16°23	3°19	6° 9	19° 7	19°37	0°11	n.a.	T 15
F 16	18 34 46	6°56'31	25°34	24°14	18°39	24°27	0°49	0°40	16°22	3°21	6° 8	19° 5	19°34	0°17	n.a.	F 16
S 17	18 38 43	7°54'34	7♊28	23°49	19°54	25° 3	1° 1	0°38	16°20	3°23	6° 6	19° 3	19°31	0°24	n.a.	S 17
S 18	18 42 39	8°52'38	19°18	23°19	21° 8	25°39	1°14	0°36	16°18	3°25	6° 5	19° 2	19°27	0°31	n.a.	S 18
M19	18 46 36	9°50'44	1♋ 6	22°42	22°22	26°15	1°26	0°34	16°16	3°27	6° 4	19° 1	19°24	0°37	n.a.	M19
T 20	18 50 32	10°48'52	12°54	22° 1	23°37	26°50	1°39	0°32	16°14	3°29	6° 3	19° 1	19°21	0°44	n.a.	T 20
W21	18 54 29	11°47'01	24°44	21°14	24°51	27°26	1°51	0°30	16°13	3°32	6° 2	19°D 1	19°18	0°51	n.a.	W21
T 22	18 58 25	12°45'13	6♌39	20°23	26° 6	28° 1	2° 4	0°27	16°11	3°34	6° 1	19° 1	19°15	0°57	n.a.	T 22
F 23	19 2 22	13°43'26	18°42	19°29	27°20	28°36	2°17	0°25	16° 9	3°36	6° 0	19° 1	19°11	1° 4	n.a.	F 23
S 24	19 6 19	14°41'41	0♍54	18°32	28°34	29°11	2°29	0°22	16° 7	3°38	5°59	19° 2	19° 8	1°11	n.a.	S 24
S 25	19 10 15	15°39'58	13°19	17°34	29°49	29°46	2°42	0°20	16° 5	3°40	5°58	19° 2	19° 5	1°17	n.a.	S 25
M26	19 14 12	16°38'17	25°59	16°35	1♌ 3	0♉20	2°55	0°17	16° 3	3°42	5°57	19° 3	19° 2	1°24	n.a.	M26
T 27	19 18 8	17°36'37	8♎59	15°38	2°18	0°54	3° 8	0°14	16° 1	3°44	5°56	19° 3	18°59	1°30	n.a.	T 27
W28	19 22 5	18°34'59	22°19	14°42	3°32	1°29	3°21	0°11	15°59	3°46	5°55	19° 3	18°56	1°37	n.a.	W28
T 29	19 26 1	19°33'23	6♏ 4	13°51	4°47	2° 3	3°33	0° 8	15°57	3°49	5°54	19° 3	18°52	1°44	n.a.	T 29
F 30	19 29 58	20°31'48	20°12	13° 4	6° 1	2°36	3°46	0° 5	15°55	3°51	5°53	19° 3	18°49	1°50	n.a.	F 30
S 31	19 33 54	21♋30'15	4♐43	12♋23	7♌15	3♉10	3♌59	0♓ 2	15♒52	3♌53	5♐52	19♋ 3	18♋46	1♋57	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n40	5s43	5n12	21n 6	1s19	25n 4	1n11	4n53	1s18	22n 7	1n 9	13s38	2s27	16s53	0s48	20n58	1n 6	23s38	1s53	22n28	22n19	21n58		n.a.
F 2	23 43	10 52	4 52	20 48	1 31	25 5	1 12	5 9	1 18	22 5	1 9	13 38	2 27	16 54	0 48	20 57	1 6	23 38	1 53	22 29	22 19	21 59		n.a.
S 3	23 46	15 33	4 12	20 29	1 42	25 5	1 13	5 24	1 17	22 2	1 9	13 39	2 27	16 54	0 49	20 57	1 6	23 38	1 53	22 29	22 20	22 0		n.a.
S 4	23 48	19 19	3 14	20 11	1 54	25 5	1 15	5 39	1 17	22 0	1 9	13 39	2 28	16 55	0 49	20 56	1 6	23 38	1 53	22 30	22 20	22 1		n.a.
M 5	23 50	21 48	2 2	19 53	2 6	25 3	1 16	5 54	1 17	21 57	1 9	13 40	2 28	16 55	0 49	20 56	1 6	23 38	1 53	22 30	22 21	22 2		n.a.
T 6	23 52	22 41	0 42	19 36	2 18	25 1	1 17	6 9	1 16	21 55	1 9	13 40	2 28	16 55	0 49	20 55	1 6	23 38	1 53	22 30	22 21	22 3		n.a.
W 7	23 53	21 55	0s41	19 20	2 29	24 58	1 18	6 24	1 16	21 52	1 9	13 41	2 29	16 56	0 49	20 55	1 6	23 37	1 53	22 30	22 22	22 4		n.a.
T 8	23 53	19 38	2 0	19 4	2 41	24 55	1 19	6 39	1 15	21 50	1 9	13 41	2 29	16 56	0 49	20 54	1 6	23 37	1 53	22 30	22 22	22 5		n.a.
F 9	23 53	16 10	3 9	18 49	2 53	24 50	1 20	6 53	1 15	21 47	1 9	13 42	2 29	16 57	0 49	20 54	1 6	23 37	1 53	22 30	22 23	22 5		n.a.
S 10	23 53	11 53	4 4	18 35	3 4	24 45	1 21	7 8	1 14	21 44	1 9	13 43	2 29	16 57	0 49	20 53	1 6	23 37	1 53	22 30	22 23	22 6		n.a.
S 11	23 52	7 8	4 44	18 23	3 15	24 39	1 22	7 22	1 14	21 42	1 9	13 43	2 30	16 58	0 49	20 53	1 6	23 37	1 53	22 29	22 24	22 7		n.a.
M12	23 51	2 13	5 8	18 11	3 26	24 32	1 23	7 37	1 13	21 39	1 9	13 44	2 30	16 58	0 49	20 52	1 6	23 37	1 53	22 29	22 24	22 8		n.a.
T 13	23 50	2n40	5 17	18 2	3 36	24 25	1 23	7 51	1 13	21 36	1 9	13 45	2 30	16 59	0 49	20 52	1 6	23 36	1 53	22 29	22 25	22 9		n.a.
W14	23 48	7 20	5 9	17 53	3 45	24 17	1 24	8 5	1 12	21 34	1 9	13 46	2 31	16 59	0 49	20 52	1 6	23 36	1 54	22 30	22 25	22 10		n.a.
T 15	23 45	11 37	4 48	17 47	3 54	24 8	1 25	8 19	1 12	21 31	1 8	13 47	2 31	17 0	0 49	20 51	1 6	23 36	1 54	22 30	22 26	22 10		n.a.
F 16	23 42	15 23	4 15	17 43	4 2	23 58	1 25	8 33	1 11	21 28	1 8	13 48	2 31	17 0	0 49	20 51	1 6	23 36	1 54	22 30	22 26	22 11		n.a.
S 17	23 39	18 30	3 31	17 40	4 9	23 48	1 26	8 47	1 11	21 25	1 8	13 48	2 31	17 1	0 49	20 50	1 6	23 36	1 54	22 30	22 26	22 12		n.a.
S 18	23 35	20 50	2 38	17 40	4 14	23 37	1 26	9 1	1 10	21 22	1 8	13 49	2 32	17 1	0 49	20 50	1 6	23 36	1 54	22 31	22 27	22 13		n.a.
M19	23 31	22 15	1 38	17 41	4 18	23 25	1 27	9 15	1 9	21 20	1 8	13 50	2 32	17 2	0 49	20 49	1 6	23 36	1 54	22 31	22 27	22 14		n.a.
T 20	23 26	22 41	0 34	17 45	4 21	23 12	1 27	9 28	1 9	21 17	1 8	13 51	2 32	17 3	0 49	20 49	1 6	23 35	1 54	22 31	22 28	22 14		n.a.
W21	23 21	22 6	0n32	17 51	4 22	22 59	1 27	9 42	1 8	21 14	1 8	13 53	2 32	17 3	0 49	20 48	1 6	23 35	1 54	22 31	22 28	22 15		n.a.
T 22	23 16	20 31	1 37	18 0	4 22	22 45	1 27	9 55	1 8	21 11	1 8	13 54	2 33	17 4	0 49	20 48	1 6	23 35	1 54	22 31	22 29	22 16		n.a.
F 23	23 10	18 0	2 38	18 10	4 19	22 31	1 27	10 8	1 7	21 8	1 8	13 55	2 33	17 4	0 49	20 47	1 6	23 35	1 54	22 31	22 29	22 17		n.a.
S 24	23 4	14 40	3 32	18 22	4 15	22 15	1 27	10 21	1 6	21 5	1 8	13 56	2 33	17 5	0 49	20 47	1 6	23 35	1 54	22 31	22 30	22 18		n.a.
S 25	22 57	10 38	4 18	18 37	4 8	22 0	1 27	10 34	1 6	21 2	1 8	13 57	2 34	17 6	0 49	20 46	1 6	23 35	1 54	22 31	22 30	22 18		n.a.
M26	22 50	6 5	4 53	18 52	4 0	21 43	1 27	10 47	1 5	20 59	1 8	13 58	2 34	17 6	0 49	20 46	1 6	23 35	1 54	22 31	22 31	22 19		n.a.
T 27	22 42	1 10	5 13	19 9	3 50	21 26	1 27	11 0	1 5	20 56	1 8	14 0	2 34	17 7	0 49	20 45	1 6	23 34	1 54	22 30	22 31	22 20		n.a.
W28	22 34	3s57	5 17	19 28	3 37	21 8	1 27	11 13	1 4	20 53	1 8	14 1	2 34	17 8	0 49	20 44	1 6	23 34	1 54	22 30	22 32	22 21		n.a.
T 29	22 26	9 1	5 4	19 47	3 24	20 50	1 26	11 25	1 3	20 50	1 8	14 2	2 35	17 8	0 49	20 44	1 6	23 34	1 54	22 30	22 32	22 21		n.a.
F 30	22 17	13 45	4 32	20 7	3 8	20 31	1 26	11 38	1 3	20 47	1 8	14 4	2 35	17 9	0 49	20 43	1 6	23 34	1 54	22 30	22 32	22 22		n.a.
S 31	22n 8	17s50	3n43	20n27	2s52	20n11	1n26	11n50	1s 2	20n44	1n 8	14s 5	2s35	17s10	0s49	20n43	1n 6	23s34	1s54	22n30	22n33	22n23		n.a.

Julian Day Number = 1105792.5, Delta T = 10h57m49s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'23, Lahiri = -27°12'23 Julian Calendar 1 July 1686 BCE == Greg. Calendar 17 June 1686 BCE

The year -1685 astronomical counting style corresponds to year 1686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

AUGUST 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 37 51	22♋28'45	19♐33	11°R50	8♌30	3♉43	4♌12	29°R59	15°R50	3♌55	5°R51	19♋ 3	18♋43	2♋ 4	n.a.	S 1
M 2	19 41 48	23°27'16	4♏35	11♋24	9°44	4°17	4°25	29♒55	15♒48	3°57	5♐50	19° 3	18°40	2°10	n.a.	M 2
T 3	19 45 44	24°25'49	19°42	11° 7	10°59	4°50	4°38	29°52	15°46	4° 0	5°49	19°R 4	18°37	2°17	n.a.	T 3
W 4	19 49 41	25°24'24	4♒45	10°D59	12°13	5°23	4°51	29°49	15°44	4° 2	5°48	19° 3	18°33	2°24	n.a.	W 4
T 5	19 53 37	26°23'01	19°35	11° 0	13°28	5°55	5° 4	29°45	15°42	4° 4	5°48	19° 3	18°30	2°30	n.a.	T 5
F 6	19 57 34	27°21'41	4♓ 5	11°11	14°42	6°28	5°17	29°41	15°39	4° 6	5°47	19° 2	18°27	2°37	n.a.	F 6
S 7	20 1 30	28°20'22	18°10	11°31	15°56	7° 0	5°30	29°38	15°37	4° 8	5°46	19° 1	18°24	2°44	n.a.	S 7
S 8	20 5 27	29°19'06	1♈48	12° 1	17°11	7°32	5°43	29°34	15°35	4°11	5°45	19° 0	18°21	2°50	n.a.	S 8
M 9	20 9 23	0♌17'53	14°59	12°39	18°25	8° 4	5°56	29°30	15°32	4°13	5°45	18°59	18°17	2°57	n.a.	M 9
T 10	20 13 20	1°16'42	27°46	13°26	19°40	8°36	6° 9	29°26	15°30	4°15	5°44	18°D59	18°14	3° 4	n.a.	T 10
W11	20 17 16	2°15'33	10♉13	14°21	20°54	9° 7	6°22	29°22	15°28	4°17	5°43	18°59	18°11	3°10	n.a.	W11
T 12	20 21 13	3°14'27	22°23	15°24	22° 9	9°39	6°35	29°18	15°25	4°20	5°43	18°59	18° 8	3°17	n.a.	T 12
F 13	20 25 10	4°13'23	4♊21	16°33	23°23	10°10	6°48	29°14	15°23	4°22	5°42	19° 1	18° 5	3°24	n.a.	F 13
S 14	20 29 6	5°12'22	16°11	17°49	24°37	10°40	7° 2	29°10	15°21	4°24	5°42	19° 2	18° 2	3°30	n.a.	S 14
S 15	20 33 3	6°11'23	27°59	19°10	25°52	11°11	7°15	29° 6	15°18	4°26	5°41	19° 3	17°58	3°37	n.a.	S 15
M16	20 36 59	7°10'26	9♋46	20°36	27° 6	11°41	7°28	29° 1	15°16	4°29	5°41	19° 4	17°55	3°44	n.a.	M16
T 17	20 40 56	8° 9'32	21°38	22° 6	28°21	12°11	7°41	28°57	15°14	4°31	5°40	19°R 5	17°52	3°50	n.a.	T 17
W18	20 44 52	9° 8'40	3♌35	23°40	29°35	12°41	7°54	28°53	15°11	4°33	5°40	19° 4	17°49	3°57	n.a.	W18
T 19	20 48 49	10° 7'51	15°41	25°17	0♍50	13°11	8° 7	28°48	15° 9	4°35	5°39	19° 2	17°46	4° 3	n.a.	T 19
F 20	20 52 45	11° 7'03	27°57	26°57	2° 4	13°40	8°20	28°44	15° 6	4°37	5°39	18°59	17°43	4°10	n.a.	F 20
S 21	20 56 42	12° 6'18	10♍24	28°38	3°18	14° 9	8°33	28°39	15° 4	4°40	5°38	18°56	17°39	4°17	n.a.	S 21
S 22	21 0 38	13° 5'34	23° 3	0♌22	4°33	14°38	8°46	28°35	15° 1	4°42	5°38	18°52	17°36	4°23	n.a.	S 22
M23	21 4 35	14° 4'53	5♎56	2° 6	5°47	15° 6	8°59	28°30	14°59	4°44	5°38	18°48	17°33	4°30	n.a.	M23
T 24	21 8 32	15° 4'14	19° 3	3°52	7° 2	15°34	9°12	28°25	14°57	4°46	5°37	18°45	17°30	4°37	n.a.	T 24
W25	21 12 28	16° 3'36	2♏26	5°38	8°16	16° 2	9°25	28°21	14°54	4°49	5°37	18°43	17°27	4°43	n.a.	W25
T 26	21 16 25	17° 3'01	16° 5	7°24	9°30	16°30	9°39	28°16	14°52	4°51	5°37	18°D42	17°23	4°50	n.a.	T 26
F 27	21 20 21	18° 2'27	0♐ 2	9°11	10°45	16°57	9°52	28°11	14°49	4°53	5°37	18°43	17°20	4°57	n.a.	F 27
S 28	21 24 18	19° 1'56	14°15	10°57	11°59	17°24	10° 5	28° 7	14°47	4°55	5°36	18°44	17°17	5° 3	n.a.	S 28
S 29	21 28 14	20° 1'26	28°43	12°44	13°13	17°51	10°18	28° 2	14°44	4°57	5°36	18°46	17°14	5°10	n.a.	S 29
M30	21 32 11	21° 0'58	13♑24	14°30	14°28	18°17	10°31	27°57	14°42	4°59	5°36	18°R47	17°11	5°17	n.a.	M30
T 31	21 36 7	22♌ 0'33	28♑11	16♌16	15♍42	18♉43	10♌44	27♒52	14♒40	5♌ 2	5♐36	18♋46	17♋ 8	5♋23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	21n59	20s52	2n37	20n47	2s35	19n51	1n25	12n 2	1s 1	20n41	1n 8	14s 6	2s35	17s10	0s49	20n42	1n 6	23s34	1s55	22n30	22n33	22n24			n.a.
M 2	21 49	22 29	1 20	21 7	2 17	19 30	1 24	12 14	1 0	20 37	1 8	14 8	2 35	17 11	0 49	20 42	1 6	23 34	1 55	22 30	22 34	22 24			n.a.
T 3	21 38	22 28	0s 4	21 27	1 58	19 9	1 24	12 26	1 0	20 34	1 9	14 9	2 36	17 12	0 49	20 41	1 6	23 34	1 55	22 30	22 34	22 25			n.a.
W 4	21 27	20 50	1 26	21 46	1 40	18 47	1 23	12 38	0 59	20 31	1 9	14 11	2 36	17 12	0 49	20 41	1 6	23 34	1 55	22 30	22 35	22 26			n.a.
T 5	21 16	17 46	2 42	22 5	1 21	18 24	1 22	12 50	0 58	20 28	1 9	14 12	2 36	17 13	0 49	20 40	1 6	23 33	1 55	22 30	22 35	22 27			n.a.
F 6	21 5	13 40	3 45	22 22	1 3	18 2	1 21	13 2	0 57	20 25	1 9	14 14	2 36	17 14	0 49	20 40	1 6	23 33	1 55	22 31	22 36	22 27			n.a.
S 7	20 53	8 56	4 33	22 38	0 45	17 38	1 21	13 13	0 57	20 21	1 9	14 15	2 37	17 14	0 49	20 39	1 6	23 33	1 55	22 31	22 36	22 28			n.a.
S 8	20 41	3 53	5 3	22 53	0 28	17 14	1 20	13 24	0 56	20 18	1 9	14 17	2 37	17 15	0 49	20 39	1 6	23 33	1 55	22 31	22 36	22 29			n.a.
M 9	20 28	1n10	5 17	23 5	0 11	16 50	1 19	13 36	0 55	20 15	1 9	14 18	2 37	17 16	0 49	20 38	1 6	23 33	1 55	22 31	22 37	22 30			n.a.
T 10	20 15	6 0	5 14	23 16	0n 4	16 25	1 17	13 47	0 54	20 12	1 9	14 20	2 37	17 17	0 49	20 38	1 6	23 33	1 55	22 31	22 37	22 30			n.a.
W11	20 2	10 29	4 56	23 25	0 19	16 0	1 16	13 58	0 53	20 8	1 9	14 21	2 37	17 17	0 49	20 37	1 6	23 33	1 55	22 31	22 38	22 31			n.a.
T 12	19 48	14 26	4 25	23 31	0 33	15 34	1 15	14 9	0 53	20 5	1 9	14 23	2 37	17 18	0 49	20 37	1 6	23 33	1 55	22 31	22 38	22 32			n.a.
F 13	19 34	17 45	3 43	23 35	0 45	15 8	1 14	14 19	0 52	20 2	1 9	14 25	2 38	17 19	0 49	20 36	1 6	23 33	1 55	22 31	22 39	22 32			n.a.
S 14	19 19	20 18	2 52	23 37	0 56	14 42	1 12	14 30	0 51	19 58	1 9	14 26	2 38	17 19	0 49	20 35	1 6	23 33	1 55	22 31	22 39	22 33			n.a.
S 15	19 5	21 58	1 54	23 35	1 7	14 15	1 11	14 40	0 50	19 55	1 9	14 28	2 38	17 20	0 49	20 35	1 6	23 33	1 55	22 30	22 39	22 34			n.a.
M16	18 50	22 40	0 51	23 32	1 16	13 47	1 9	14 51	0 49	19 52	1 9	14 30	2 38	17 21	0 49	20 34	1 6	23 33	1 55	22 30	22 40	22 34			n.a.
T 17	18 34	22 21	0n14	23 25	1 24	13 20	1 8	15 1	0 48	19 48	1 9	14 31	2 38	17 22	0 49	20 34	1 6	23 33	1 55	22 30	22 40	22 35			n.a.
W18	18 18	21 0	1 19	23 16	1 31	12 52	1 6	15 11	0 47	19 45	1 9	14 33	2 38	17 22	0 49	20 33	1 6	23 33	1 55	22 30	22 41	22 36			n.a.
T 19	18 2	18 41	2 22	23 4	1 37	12 23	1 5	15 21	0 46	19 41	1 9	14 35	2 39	17 23	0 50	20 33	1 6	23 32	1 55	22 31	22 41	22 36			n.a.
F 20	17 46	15 30	3 18	22 50	1 42	11 55	1 3	15 31	0 46	19 38	1 9	14 37	2 39	17 24	0 50	20 32	1 6	23 32	1 55	22 31	22 42	22 37			n.a.
S 21	17 29	11 36	4 6	22 33	1 46	11 26	1 1	15 41	0 45	19 35	1 9	14 38	2 39	17 25	0 50	20 32	1 6	23 32	1 55	22 31	22 42	22 38			n.a.
S 22	17 12	7 7	4 43	22 13	1 49	10 56	0 59	15 50	0 44	19 31	1 9	14 40	2 39	17 25	0 50	20 31	1 6	23 32	1 55	22 32	22 42	22 38			n.a.
M23	16 55	2 16	5 6	21 52	1 51	10 27	0 57	16 0	0 43	19 28	1 9	14 42	2 39	17 26	0 50	20 31	1 6	23 32	1 55	22 33	22 43	22 39			n.a.
T 24	16 37	2s46	5 14	21 28	1 53	9 57	0 56	16 9	0 42	19 24	1 9	14 44	2 39	17 27	0 50	20 30	1 6	23 32	1 55	22 33	22 43	22 40			n.a.
W25	16 19	7 47	5 5	21 3	1 53	9 27	0 54	16 18	0 41	19 21	1 9	14 45	2 39	17 27	0 50	20 30	1 6	23 32	1 55	22 33	22 44	22 40			n.a.
T 26	16 1	12 31	4 39	20 36	1 53	8 57	0 52	16 27	0 40	19 17	1 10	14 47	2 39	17 28	0 50	20 29	1 6	23 32	1 56	22 33	22 44	22 41			n.a.
F 27	15 43	16 42	3 56	20 6	1 53	8 26	0 49	16 36	0 39	19 14	1 10	14 49	2 40	17 29	0 50	20 29	1 6	23 32	1 56	22 33	22 45	22 41			n.a.
S 28	15 24	20 0	2 58	19 36	1 52	7 55	0 47	16 45	0 38	19 10	1 10	14 51	2 40	17 30	0 50	20 28	1 6	23 32	1 56	22 33	22 45	22 42			n.a.
S 29	15 5	22 5	1 48	19 4	1 50	7 24	0 45	16 53	0 36	19 7	1 10	14 52	2 40	17 30	0 50	20 28	1 6	23 32	1 56	22 33	22 45	22 43			n.a.
M30	14 46	22 43	0 29	18 30	1 48	6 53	0 43	17 2	0 35	19 3	1 10	14 54	2 40	17 31	0 50	20 27	1 6	23 32	1 56	22 33	22 46	22 43			n.a.
T 31	14n26	21s45	0s51	17n55	1n45	6n22	0n41	17n10	0s34	19n 0	1n10	14s56	2s40	17s32	0s50	20n27	1n 6	23s32	1s56	22n33	22n46	22n44			n.a.

Julian Day Number = 1105823.5, Delta T = 10h57m48s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'19, Lahiri = -27°12'19 Julian Calendar 1 Aug. 1686 BCE == Greg. Calendar 18 July 1686 BCE

The year -1685 astronomical counting style corresponds to year 1686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

SEPTEMBER 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 40 4	23♌ 0'09	12♒58	18♌ 2	16♍56	19♉ 9	10♌57	27°R47	14°R37	5♌ 4	5°R36	18°R45	17♋ 4	5♋30	n.a.	W 1
T 2	21 44 1	23°59'47	27°39	19°47	18°11	19°34	11°10	27♒42	14♒35	5° 6	5♐36	18♋41	17° 1	5°37	n.a.	T 2
F 3	21 47 57	24°59'28	12♓ 5	21°31	19°25	19°59	11°22	27°38	14°32	5° 8	5°D36	18°36	16°58	5°43	n.a.	F 3
S 4	21 51 54	25°59'10	26°11	23°15	20°39	20°24	11°35	27°33	14°30	5°10	5°36	18°30	16°55	5°50	n.a.	S 4
S 5	21 55 50	26°58'55	9♈53	24°58	21°53	20°49	11°48	27°28	14°28	5°12	5°36	18°24	16°52	5°56	n.a.	S 5
M 6	21 59 47	27°58'43	23° 9	26°41	23° 8	21°13	12° 1	27°23	14°25	5°14	5°36	18°18	16°49	6° 3	n.a.	M 6
T 7	22 3 43	28°58'33	6♉ 0	28°23	24°22	21°36	12°14	27°18	14°23	5°16	5°36	18°14	16°45	6°10	n.a.	T 7
W 8	22 7 40	29°58'25	18°29	0♍ 5	25°36	22° 0	12°27	27°13	14°21	5°19	5°36	18°12	16°42	6°16	n.a.	W 8
T 9	22 11 36	0♍58'19	0♊40	1°45	26°50	22°23	12°39	27° 8	14°18	5°21	5°36	18°D11	16°39	6°23	n.a.	T 9
F 10	22 15 33	1°58'16	12°38	3°26	28° 5	22°45	12°52	27° 4	14°16	5°23	5°37	18°11	16°36	6°30	n.a.	F 10
S 11	22 19 29	2°58'16	24°28	5° 5	29°19	23° 7	13° 5	26°59	14°14	5°25	5°37	18°13	16°33	6°36	n.a.	S 11
S 12	22 23 26	3°58'18	6♋15	6°44	0♎33	23°29	13°18	26°54	14°12	5°27	5°37	18°14	16°29	6°43	n.a.	S 12
M13	22 27 23	4°58'22	18° 5	8°23	1°47	23°50	13°30	26°49	14° 9	5°29	5°37	18°R15	16°26	6°50	n.a.	M13
T 14	22 31 19	5°58'28	0♌ 0	10° 1	3° 1	24°11	13°43	26°44	14° 7	5°31	5°38	18°14	16°23	6°56	n.a.	T 14
W15	22 35 16	6°58'36	12° 6	11°38	4°15	24°32	13°56	26°40	14° 5	5°33	5°38	18°11	16°20	7° 3	n.a.	W15
T 16	22 39 12	7°58'47	24°24	13°15	5°30	24°51	14° 8	26°35	14° 3	5°35	5°38	18° 6	16°17	7°10	n.a.	T 16
F 17	22 43 9	8°58'59	6♍56	14°51	6°44	25°11	14°21	26°30	14° 1	5°37	5°39	17°58	16°14	7°16	n.a.	F 17
S 18	22 47 5	9°59'14	19°43	16°27	7°58	25°30	14°33	26°26	13°59	5°39	5°39	17°49	16°10	7°23	n.a.	S 18
S 19	22 51 2	10°59'30	2♎44	18° 2	9°12	25°49	14°45	26°21	13°57	5°40	5°40	17°39	16° 7	7°30	n.a.	S 19
M20	22 54 58	11°59'48	15°58	19°37	10°26	26° 7	14°58	26°16	13°54	5°42	5°40	17°30	16° 4	7°36	n.a.	M20
T 21	22 58 55	13° 0'08	29°24	21°12	11°40	26°24	15°10	26°12	13°52	5°44	5°41	17°21	16° 1	7°43	n.a.	T 21
W22	23 2 51	14° 0'30	13♏ 0	22°45	12°54	26°41	15°22	26° 7	13°50	5°46	5°41	17°15	15°58	7°49	n.a.	W22
T 23	23 6 48	15° 0'54	26°46	24°19	14° 8	26°58	15°35	26° 3	13°48	5°48	5°42	17°11	15°54	7°56	n.a.	T 23
F 24	23 10 45	16° 1'19	10♐41	25°52	15°22	27°14	15°47	25°58	13°46	5°50	5°42	17°D10	15°51	8° 3	n.a.	F 24
S 25	23 14 41	17° 1'45	24°43	27°25	16°36	27°29	15°59	25°54	13°45	5°52	5°43	17°10	15°48	8° 9	n.a.	S 25
S 26	23 18 38	18° 2'14	8♑54	28°57	17°50	27°44	16°11	25°50	13°43	5°53	5°44	17°10	15°45	8°16	n.a.	S 26
M27	23 22 34	19° 2'43	23°10	0♎29	19° 4	27°59	16°23	25°45	13°41	5°55	5°44	17°R11	15°42	8°23	n.a.	M27
T 28	23 26 31	20° 3'14	7♒31	2° 0	20°18	28°12	16°35	25°41	13°39	5°57	5°45	17° 9	15°39	8°29	n.a.	T 28
W29	23 30 27	21° 3'47	21°53	3°32	21°32	28°26	16°47	25°37	13°37	5°59	5°46	17° 5	15°35	8°36	n.a.	W29
T 30	23 34 24	22♍ 4'21	6♓10	5♎ 2	22♎46	28♉38	16♌59	25♒33	13♒35	6♌ 0	5♐47	16♋58	15♋32	8♋43	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14n 6	19s17	2s 8	17n20	1n42	5n50	0n38	17n18	0s33	18n56	1n10	14s58	2s40	17s32	0s50	20n26	1n 7	23s32	1s56	22n33	22n47	22n44		n.a.
T 2	13 46	15 35	3 16	16 43	1 38	5 19	0 36	17 27	0 32	18 52	1 10	15 0	2 40	17 33	0 49	20 25	1 7	23 32	1 56	22 34	22 47	22 45		n.a.
F 3	13 26	11 0	4 10	16 5	1 35	4 47	0 33	17 35	0 31	18 49	1 10	15 1	2 40	17 34	0 49	20 25	1 7	23 32	1 56	22 34	22 47	22 46		n.a.
S 4	13 6	5 56	4 48	15 26	1 30	4 15	0 31	17 42	0 30	18 45	1 10	15 3	2 40	17 35	0 49	20 24	1 7	23 32	1 56	22 35	22 48	22 46		n.a.
S 5	12 45	0 43	5 7	14 47	1 26	3 43	0 29	17 50	0 28	18 42	1 10	15 5	2 40	17 35	0 49	20 24	1 7	23 32	1 56	22 36	22 48	22 47		n.a.
M 6	12 24	4n23	5 10	14 7	1 21	3 11	0 26	17 58	0 27	18 38	1 10	15 7	2 40	17 36	0 49	20 23	1 7	23 33	1 56	22 37	22 49	22 47		n.a.
T 7	12 3	9 7	4 56	13 27	1 16	2 38	0 23	18 5	0 26	18 35	1 11	15 8	2 40	17 37	0 49	20 23	1 7	23 33	1 56	22 37	22 49	22 48		n.a.
W 8	11 42	13 21	4 29	12 45	1 11	2 6	0 21	18 13	0 25	18 31	1 11	15 10	2 40	17 37	0 49	20 22	1 7	23 33	1 56	22 38	22 49	22 48		n.a.
T 9	11 20	16 56	3 50	12 4	1 5	1 34	0 18	18 20	0 24	18 27	1 11	15 12	2 40	17 38	0 49	20 22	1 7	23 33	1 56	22 38	22 50	22 49		n.a.
F 10	10 58	19 45	3 1	11 22	1 0	1 1	0 16	18 27	0 22	18 24	1 11	15 13	2 40	17 39	0 49	20 22	1 7	23 33	1 56	22 38	22 50	22 49		n.a.
S 11	10 36	21 41	2 5	10 39	0 54	0 29	0 13	18 34	0 21	18 20	1 11	15 15	2 40	17 39	0 49	20 21	1 7	23 33	1 56	22 38	22 51	22 50		n.a.
S 12	10 14	22 40	1 5	9 57	0 48	0s 4	0 10	18 41	0 20	18 17	1 11	15 17	2 40	17 40	0 49	20 21	1 7	23 33	1 56	22 37	22 51	22 50		n.a.
M13	9 52	22 38	0 1	9 14	0 42	0 36	0 8	18 47	0 18	18 13	1 11	15 19	2 40	17 41	0 49	20 20	1 7	23 33	1 56	22 37	22 51	22 51		n.a.
T 14	9 29	21 34	1n 3	8 30	0 36	1 9	0 5	18 54	0 17	18 9	1 11	15 20	2 40	17 41	0 49	20 20	1 7	23 33	1 56	22 37	22 52	22 52		n.a.
W15	9 7	19 29	2 5	7 47	0 29	1 41	0 2	19 0	0 15	18 6	1 11	15 22	2 40	17 42	0 49	20 19	1 7	23 33	1 56	22 38	22 52	22 52		n.a.
T 16	8 44	16 30	3 2	7 3	0 23	2 14	0s 1	19 7	0 14	18 2	1 11	15 24	2 40	17 43	0 49	20 19	1 7	23 33	1 56	22 38	22 53	22 53		n.a.
F 17	8 21	12 42	3 52	6 20	0 17	2 46	0 4	19 13	0 13	17 59	1 12	15 25	2 40	17 43	0 49	20 18	1 7	23 33	1 56	22 39	22 53	22 53		n.a.
S 18	7 58	8 16	4 30	5 36	0 10	3 19	0 6	19 19	0 11	17 55	1 12	15 27	2 40	17 44	0 49	20 18	1 7	23 33	1 56	22 41	22 53	22 54		n.a.
S 19	7 35	3 24	4 55	4 52	0 4	3 51	0 9	19 25	0 10	17 51	1 12	15 28	2 40	17 44	0 49	20 17	1 7	23 34	1 56	22 42	22 54	22 54		n.a.
M20	7 11	1s42	5 5	4 8	0s 3	4 23	0 12	19 31	0 8	17 48	1 12	15 30	2 40	17 45	0 49	20 17	1 7	23 34	1 56	22 43	22 54	22 55		n.a.
T 21	6 48	6 49	4 59	3 25	0 10	4 56	0 15	19 37	0 7	17 44	1 12	15 31	2 40	17 46	0 49	20 16	1 7	23 34	1 56	22 44	22 55	22 55		n.a.
W22	6 24	11 40	4 36	2 41	0 16	5 28	0 18	19 42	0 5	17 41	1 12	15 33	2 40	17 46	0 49	20 16	1 7	23 34	1 56	22 45	22 55	22 56		n.a.
T 23	6 1	15 58	3 56	1 57	0 23	6 0	0 21	19 47	0 3	17 37	1 12	15 34	2 40	17 47	0 49	20 16	1 7	23 34	1 56	22 46	22 55	22 56		n.a.
F 24	5 37	19 28	3 2	1 13	0 29	6 31	0 24	19 53	0 2	17 33	1 12	15 36	2 40	17 47	0 49	20 15	1 7	23 34	1 56	22 46	22 56	22 56		n.a.
S 25	5 13	21 50	1 57	0 30	0 36	7 3	0 26	19 58	0 0	17 30	1 13	15 37	2 40	17 48	0 49	20 15	1 7	23 34	1 56	22 46	22 56	22 57		n.a.
S 26	4 49	22 51	0 44	0s13	0 42	7 34	0 29	20 3	0n 1	17 26	1 13	15 39	2 40	17 48	0 49	20 14	1 7	23 35	1 57	22 46	22 56	22 57		n.a.
M27	4 25	22 23	0s32	0 56	0 49	8 6	0 32	20 8	0 3	17 23	1 13	15 40	2 40	17 49	0 49	20 14	1 7	23 35	1 57	22 46	22 57	22 58		n.a.
T 28	4 1	20 27	1 46	1 39	0 55	8 37	0 35	20 13	0 5	17 19	1 13	15 42	2 40	17 49	0 49	20 13	1 7	23 35	1 57	22 46	22 57	22 58		n.a.
W29	3 36	17 13	2 54	2 22	1 2	9 8	0 38	20 18	0 7	17 16	1 13	15 43	2 40	17 50	0 49	20 13	1 7	23 35	1 57	22 47	22 58	22 59		n.a.
T 30	3n12	12s58	3s50	3s 4	1s 8	9s39	0s41	20n22	0n 8	17n12	1n13	15s44	2s39	17s50	0s49	20n13	1n 7	23s35	1s57	22n47	22n58	22n59		n.a.

Julian Day Number = 1105854.5, Delta T = 10h57m46s
Ecliptic obliquity = 23°53'25, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'15, Lahiri = -27°12'14 Julian Calendar 1 Sept. 1686 BCE == Greg. Calendar 18 Aug. 1686 BCE

The year -1685 astronomical counting style corresponds to year 1686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

OCTOBER 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 38 20	23♍ 4'57	20♓18	6♎33	23♎59	28♉50	17♌11	25°R29	13°R34	6♌ 2	5♐47	16°R48	15♋29	8♋49	n.a.	F 1
S 2	23 42 17	24° 5'34	4♈12	8° 3	25°13	29° 2	17°22	25♒25	13♒32	6° 4	5°48	16♋37	15°26	8°56	n.a.	S 2
S 3	23 46 13	25° 6'13	17°46	9°32	26°27	29°12	17°34	25°21	13°30	6° 5	5°49	16°25	15°23	9° 3	n.a.	S 3
M 4	23 50 10	26° 6'54	0♉59	11° 1	27°41	29°23	17°46	25°17	13°29	6° 7	5°50	16°14	15°20	9° 9	n.a.	M 4
T 5	23 54 7	27° 7'37	13°50	12°30	28°55	29°32	17°57	25°14	13°27	6° 8	5°51	16° 5	15°16	9°16	n.a.	T 5
W 6	23 58 3	28° 8'21	26°20	13°59	0♏ 8	29°41	18° 9	25°10	13°26	6°10	5°52	15°58	15°13	9°23	n.a.	W 6
T 7	0 2 0	29° 9'07	8♊32	15°26	1°22	29°49	18°20	25° 6	13°24	6°11	5°53	15°53	15°10	9°29	n.a.	T 7
F 8	0 5 56	0♎ 9'55	20°31	16°54	2°36	29°57	18°31	25° 3	13°23	6°13	5°54	15°51	15° 7	9°36	n.a.	F 8
S 9	0 9 53	1°10'45	2♋21	18°21	3°49	0♊ 3	18°43	24°59	13°21	6°14	5°55	15°D51	15° 4	9°42	n.a.	S 9
S 10	0 13 49	2°11'36	14° 9	19°47	5° 3	0° 9	18°54	24°56	13°20	6°16	5°56	15°R51	15° 0	9°49	n.a.	S 10
M11	0 17 46	3°12'30	25°59	21°12	6°17	0°15	19° 5	24°53	13°19	6°17	5°57	15°51	14°57	9°56	n.a.	M11
T 12	0 21 42	4°13'24	7♌57	22°37	7°30	0°19	19°16	24°50	13°17	6°19	5°58	15°49	14°54	10° 2	n.a.	T 12
W13	0 25 39	5°14'21	20° 8	24° 1	8°44	0°23	19°27	24°47	13°16	6°20	5°59	15°44	14°51	10° 9	n.a.	W13
T 14	0 29 36	6°15'18	2♍35	25°23	9°57	0°26	19°38	24°43	13°15	6°21	6° 0	15°37	14°48	10°16	n.a.	T 14
F 15	0 33 32	7°16'18	15°21	26°45	11°11	0°28	19°49	24°41	13°14	6°23	6° 1	15°27	14°45	10°22	n.a.	F 15
S 16	0 37 29	8°17'18	28°26	28° 5	12°24	0°30	19°59	24°38	13°13	6°24	6° 3	15°15	14°41	10°29	n.a.	S 16
S 17	0 41 25	9°18'20	11♎50	29°24	13°38	0°R30	20°10	24°35	13°12	6°25	6° 4	15° 1	14°38	10°36	n.a.	S 17
M18	0 45 22	10°19'23	25°30	0♏42	14°51	0°30	20°21	24°32	13°11	6°26	6° 5	14°48	14°35	10°42	n.a.	M18
T 19	0 49 18	11°20'27	9♏23	1°57	16° 5	0°29	20°31	24°30	13°10	6°27	6° 6	14°36	14°32	10°49	n.a.	T 19
W20	0 53 15	12°21'32	23°23	3°10	17°18	0°28	20°41	24°27	13° 9	6°29	6° 8	14°27	14°29	10°56	n.a.	W20
T 21	0 57 11	13°22'38	7♐29	4°21	18°31	0°25	20°52	24°25	13° 8	6°30	6° 9	14°21	14°25	11° 2	n.a.	T 21
F 22	1 1 8	14°23'45	21°36	5°28	19°45	0°22	21° 2	24°23	13° 7	6°31	6°10	14°18	14°22	11° 9	n.a.	F 22
S 23	1 5 5	15°24'53	5♑42	6°32	20°58	0°17	21°12	24°21	13° 6	6°32	6°12	14°17	14°19	11°16	n.a.	S 23
S 24	1 9 1	16°26'01	19°47	7°33	22°11	0°12	21°22	24°19	13° 6	6°33	6°13	14°17	14°16	11°22	n.a.	S 24
M25	1 12 58	17°27'10	3♒49	8°29	23°24	0° 6	21°32	24°17	13° 5	6°34	6°14	14°16	14°13	11°29	n.a.	M25
T 26	1 16 54	18°28'19	17°48	9°20	24°37	29♉59	21°41	24°15	13° 4	6°35	6°16	14°14	14°10	11°35	n.a.	T 26
W27	1 20 51	19°29'29	1♓44	10° 5	25°50	29°52	21°51	24°13	13° 4	6°36	6°17	14° 9	14° 6	11°42	n.a.	W27
T 28	1 24 47	20°30'39	15°34	10°43	27° 3	29°43	22° 1	24°12	13° 3	6°37	6°19	14° 1	14° 3	11°49	n.a.	T 28
F 29	1 28 44	21°31'50	29°16	11°15	28°16	29°34	22°10	24°10	13° 3	6°38	6°20	13°50	14° 0	11°55	n.a.	F 29
S 30	1 32 40	22°33'02	12♈46	11°38	29°29	29°24	22°19	24° 9	13° 2	6°39	6°22	13°37	13°57	12° 2	n.a.	S 30
S 31	1 36 37	23♎34'14	26♈ 2	11♏51	0♐42	29♉13	22♌29	24♒ 7	13♒ 2	6♌39	6♐23	13♋24	13♋54	12♋ 9	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n48	8s 3	4s31	3s47	1s14	10s 9	0s44	20n27	0n10	17n 9	1n14	15s46	2s39	17s51	0s49	20n12	1n 7	23s35	1s57	22n49	22n58	23n 0		n.a.
S 2	2 23	2 49	4 56	4 28	1 20	10 39	0 47	20 31	0 12	17 5	1 14	15 47	2 39	17 51	0 49	20 12	1 7	23 36	1 57	22 50	22 59	23 0		n.a.
S 3	1 59	2n27	5 2	5 10	1 26	11 9	0 49	20 35	0 14	17 2	1 14	15 48	2 39	17 52	0 49	20 12	1 8	23 36	1 57	22 52	22 59	23 0		n.a.
M 4	1 34	7 28	4 53	5 51	1 32	11 39	0 52	20 39	0 16	16 58	1 14	15 49	2 39	17 52	0 49	20 11	1 8	23 36	1 57	22 53	22 59	23 1		n.a.
T 5	1 10	12 2	4 28	6 31	1 37	12 9	0 55	20 43	0 18	16 55	1 14	15 50	2 39	17 53	0 49	20 11	1 8	23 36	1 57	22 54	23 0	23 1		n.a.
W 6	0 45	15 57	3 51	7 11	1 43	12 38	0 58	20 47	0 20	16 51	1 14	15 52	2 39	17 53	0 49	20 10	1 8	23 36	1 57	22 55	23 0	23 2		n.a.
T 7	0 21	19 6	3 5	7 51	1 48	13 7	1 1	20 51	0 22	16 48	1 14	15 53	2 39	17 53	0 49	20 10	1 8	23 37	1 57	22 55	23 1	23 2		n.a.
F 8	0s 4	21 23	2 10	8 30	1 53	13 35	1 3	20 54	0 24	16 44	1 15	15 54	2 38	17 54	0 49	20 10	1 8	23 37	1 57	22 56	23 1	23 2		n.a.
S 9	0 29	22 41	1 11	9 8	1 58	14 4	1 6	20 58	0 26	16 41	1 15	15 55	2 38	17 54	0 49	20 9	1 8	23 37	1 57	22 56	23 1	23 3		n.a.
S 10	0 53	22 58	0 9	9 46	2 2	14 31	1 9	21 1	0 28	16 38	1 15	15 56	2 38	17 55	0 49	20 9	1 8	23 37	1 57	22 56	23 2	23 3		n.a.
M11	1 18	22 14	0n54	10 22	2 7	14 59	1 11	21 4	0 30	16 34	1 15	15 57	2 38	17 55	0 49	20 9	1 8	23 37	1 57	22 56	23 2	23 4		n.a.
T 12	1 43	20 28	1 54	10 58	2 11	15 26	1 14	21 7	0 32	16 31	1 15	15 58	2 38	17 55	0 49	20 8	1 8	23 38	1 57	22 56	23 2	23 4		n.a.
W13	2 7	17 45	2 51	11 34	2 14	15 53	1 17	21 10	0 34	16 27	1 16	15 59	2 38	17 56	0 49	20 8	1 8	23 38	1 57	22 57	23 3	23 4		n.a.
T 14	2 32	14 10	3 41	12 8	2 18	16 19	1 19	21 13	0 36	16 24	1 16	16 0	2 37	17 56	0 49	20 8	1 8	23 38	1 57	22 57	23 3	23 5		n.a.
F 15	2 56	9 52	4 20	12 41	2 21	16 45	1 22	21 16	0 38	16 21	1 16	16 0	2 37	17 56	0 49	20 8	1 8	23 38	1 57	22 59	23 3	23 5		n.a.
S 16	3 21	5 1	4 48	13 13	2 23	17 11	1 24	21 18	0 41	16 18	1 16	16 1	2 37	17 57	0 49	20 7	1 8	23 39	1 57	23 0	23 4	23 5		n.a.
S 17	3 45	0s11	5 0	13 43	2 25	17 36	1 27	21 20	0 43	16 14	1 16	16 2	2 37	17 57	0 49	20 7	1 8	23 39	1 57	23 2	23 4	23 6		n.a.
M18	4 10	5 28	4 55	14 13	2 27	18 1	1 29	21 23	0 45	16 11	1 17	16 3	2 37	17 57	0 48	20 7	1 8	23 39	1 57	23 3	23 5	23 6		n.a.
T 19	4 34	10 35	4 33	14 41	2 28	18 25	1 31	21 25	0 48	16 8	1 17	16 3	2 37	17 57	0 48	20 7	1 8	23 39	1 57	23 4	23 5	23 6		n.a.
W20	4 58	15 11	3 54	15 7	2 28	18 49	1 34	21 27	0 50	16 5	1 17	16 4	2 36	17 58	0 48	20 6	1 8	23 40	1 57	23 5	23 5	23 7		n.a.
T 21	5 23	18 59	3 1	15 31	2 28	19 12	1 36	21 28	0 52	16 2	1 17	16 5	2 36	17 58	0 48	20 6	1 8	23 40	1 57	23 6	23 6	23 7		n.a.
F 22	5 47	21 40	1 57	15 53	2 27	19 34	1 38	21 30	0 55	15 58	1 17	16 5	2 36	17 58	0 48	20 6	1 8	23 40	1 57	23 6	23 6	23 7		n.a.
S 23	6 11	23 1	0 45	16 13	2 25	19 57	1 40	21 31	0 57	15 55	1 18	16 6	2 36	17 58	0 48	20 6	1 8	23 41	1 57	23 7	23 6	23 8		n.a.
S 24	6 35	22 53	0s29	16 31	2 22	20 18	1 42	21 33	1 0	15 52	1 18	16 6	2 36	17 58	0 48	20 5	1 8	23 41	1 58	23 7	23 7	23 8		n.a.
M25	6 59	21 18	1 41	16 46	2 18	20 39	1 44	21 34	1 2	15 49	1 18	16 7	2 35	17 58	0 48	20 5	1 8	23 41	1 58	23 7	23 7	23 8		n.a.
T 26	7 22	18 26	2 47	16 59	2 14	21 0	1 46	21 35	1 5	15 46	1 18	16 7	2 35	17 59	0 48	20 5	1 9	23 41	1 58	23 7	23 7	23 9		n.a.
W27	7 46	14 31	3 43	17 8	2 8	21 20	1 48	21 36	1 7	15 43	1 18	16 8	2 35	17 59	0 48	20 5	1 9	23 42	1 58	23 7	23 8	23 9		n.a.
T 28	8 9	9 51	4 25	17 14	2 1	21 39	1 50	21 36	1 10	15 40	1 19	16 8	2 35	17 59	0 48	20 5	1 9	23 42	1 58	23 8	23 8	23 9		n.a.
F 29	8 33	4 44	4 51	17 16	1 52	21 58	1 52	21 37	1 12	15 37	1 19	16 8	2 35	17 59	0 48	20 4	1 9	23 42	1 58	23 9	23 8	23 9		n.a.
S 30	8 56	0n32	5 0	17 14	1 43	22 16	1 54	21 37	1 15	15 34	1 19	16 8	2 34	17 59	0 48	20 4	1 9	23 43	1 58	23 11	23 9	23 10		n.a.
S 31	9s19	5n42	4s53	17s 8	1s31	22s34	1s55	21n37	1n17	15n32	1n19	16s 9	2s34	17s59	0s48	20n 4	1n 9	23s43	1s58	23n12	23n 9	23n10		n.a.

Julian Day Number = 1105884.5, Delta T = 10h57m44s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'11, Lahiri = -27°12'10 Julian Calendar 1 Oct. 1686 BCE == Greg. Calendar 17 Sept. 1686 BCE

The year -1685 astronomical counting style corresponds to year 1686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

NOVEMBER 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 40 34	24♎35'27	9♉ 1	11°R55	1♐55	29°R 2	22♌38	24°R 6	13°R 1	6♌40	6♐25	13°R11	13♋51	12♋15	n.a.	M 1
T 2	1 44 30	25°36'41	21°44	11♏49	3° 8	28♉49	22°47	24♒ 5	13♒ 1	6°41	6°26	13♋ 0	13°47	12°22	n.a.	T 2
W 3	1 48 27	26°37'55	4♊ 9	11°31	4°21	28°36	22°56	24° 4	13° 1	6°42	6°28	12°51	13°44	12°29	n.a.	W 3
T 4	1 52 23	27°39'11	16°19	11° 1	5°33	28°22	23° 4	24° 3	13° 1	6°42	6°29	12°45	13°41	12°35	n.a.	T 4
F 5	1 56 20	28°40'27	28°17	10°20	6°46	28° 7	23°13	24° 3	13° 1	6°43	6°31	12°42	13°38	12°42	n.a.	F 5
S 6	2 0 16	29°41'43	10♋ 7	9°28	7°58	27°51	23°22	24° 2	13° 1	6°44	6°33	12°D41	13°35	12°49	n.a.	S 6
S 7	2 4 13	0♏43'01	21°54	8°26	9°11	27°35	23°30	24° 2	13°D 1	6°44	6°34	12°42	13°31	12°55	n.a.	S 7
M 8	2 8 10	1°44'19	3♌43	7°15	10°23	27°17	23°38	24° 1	13° 1	6°45	6°36	12°R42	13°28	13° 2	n.a.	M 8
T 9	2 12 6	2°45'37	15°41	5°58	11°36	27° 0	23°46	24° 1	13° 1	6°45	6°38	12°41	13°25	13° 8	n.a.	T 9
W10	2 16 3	3°46'56	27°52	4°37	12°48	26°41	23°54	24° 1	13° 1	6°46	6°39	12°38	13°22	13°15	n.a.	W10
T 11	2 19 59	4°48'16	10♍22	3°15	14° 1	26°22	24° 2	24°D 1	13° 1	6°46	6°41	12°33	13°19	13°22	n.a.	T 11
F 12	2 23 56	5°49'36	23°13	1°54	15°13	26° 2	24°10	24° 1	13° 1	6°47	6°43	12°25	13°16	13°28	n.a.	F 12
S 13	2 27 52	6°50'56	6♎29	0°37	16°25	25°42	24°18	24° 1	13° 2	6°47	6°45	12°15	13°12	13°35	n.a.	S 13
S 14	2 31 49	7°52'17	20° 8	29♎27	17°37	25°21	24°25	24° 1	13° 2	6°47	6°46	12° 4	13° 9	13°42	n.a.	S 14
M15	2 35 45	8°53'38	4♏ 9	28°24	18°49	25° 0	24°33	24° 2	13° 2	6°48	6°48	11°53	13° 6	13°48	n.a.	M15
T 16	2 39 42	9°54'58	18°27	27°32	20° 1	24°38	24°40	24° 2	13° 3	6°48	6°50	11°43	13° 3	13°55	n.a.	T 16
W17	2 43 39	10°56'19	2♐56	26°49	21°13	24°15	24°47	24° 3	13° 3	6°48	6°52	11°35	13° 0	14° 2	n.a.	W17
T 18	2 47 35	11°57'40	17°29	26°17	22°25	23°53	24°54	24° 3	13° 4	6°48	6°54	11°30	12°57	14° 8	n.a.	T 18
F 19	2 51 32	12°59'01	1♑59	25°55	23°36	23°30	25° 1	24° 4	13° 4	6°48	6°55	11°27	12°53	14°15	n.a.	F 19
S 20	2 55 28	14° 0'21	16°24	25°44	24°48	23° 6	25° 7	24° 5	13° 5	6°49	6°57	11°D27	12°50	14°22	n.a.	S 20
S 21	2 59 25	15° 1'41	0♒39	25°D42	26° 0	22°43	25°14	24° 6	13° 6	6°49	6°59	11°28	12°47	14°28	n.a.	S 21
M22	3 3 21	16° 3'00	14°42	25°49	27°11	22°19	25°20	24° 8	13° 7	6°49	7° 1	11°R29	12°44	14°35	n.a.	M22
T 23	3 7 18	17° 4'19	28°34	26° 4	28°22	21°55	25°26	24° 9	13° 7	6°R49	7° 3	11°28	12°41	14°42	n.a.	T 23
W24	3 11 15	18° 5'37	12♓14	26°27	29°34	21°31	25°32	24°10	13° 8	6°49	7° 5	11°25	12°37	14°48	n.a.	W24
T 25	3 15 11	19° 6'54	25°42	26°57	0♑45	21° 7	25°38	24°12	13° 9	6°49	7° 7	11°20	12°34	14°55	n.a.	T 25
F 26	3 19 8	20° 8'11	8♈59	27°32	1°56	20°43	25°44	24°13	13°10	6°49	7° 8	11°13	12°31	15° 1	n.a.	F 26
S 27	3 23 4	21° 9'27	22° 4	28°14	3° 7	20°19	25°49	24°15	13°11	6°49	7°10	11° 4	12°28	15° 8	n.a.	S 27
S 28	3 27 1	22°10'43	4♉57	29° 0	4°18	19°55	25°55	24°17	13°12	6°48	7°12	10°55	12°25	15°15	n.a.	S 28
M29	3 30 57	23°11'58	17°37	29°51	5°28	19°31	26° 0	24°19	13°13	6°48	7°14	10°45	12°22	15°21	n.a.	M29
T 30	3 34 54	24♏13'13	0♊ 4	0♏45	6♑39	19♉ 7	26♌ 5	24♒21	13♒14	6♌48	7♐16	10♋38	12♋18	15♋28	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9s42	10n30	4s31	16s57	1s19	22s51	1s57	21n37	1n20	15n29	1n20	16s 9	2s34	17s59	0s48	20n 4	1n 9	23s43	1s58	23n13	23n 9	23n10		n.a.
T 2	10 5	14 45	3 55	16 41	1 5	23 7	1 58	21 37	1 22	15 26	1 20	16 9	2 34	17 59	0 48	20 4	1 9	23 44	1 58	23 15	23 10	23 11		n.a.
W 3	10 28	18 17	3 9	16 21	0 49	23 22	2 0	21 36	1 25	15 23	1 20	16 9	2 33	17 59	0 48	20 4	1 9	23 44	1 58	23 15	23 10	23 11		n.a.
T 4	10 50	20 56	2 15	15 55	0 32	23 37	2 1	21 35	1 28	15 21	1 20	16 9	2 33	17 59	0 48	20 3	1 9	23 44	1 58	23 16	23 10	23 11		n.a.
F 5	11 12	22 37	1 16	15 24	0 13	23 52	2 3	21 35	1 30	15 18	1 20	16 9	2 33	17 59	0 48	20 3	1 9	23 45	1 58	23 16	23 11	23 11		n.a.
S 6	11 34	23 16	0 14	14 49	0n 6	24 5	2 4	21 34	1 33	15 15	1 21	16 9	2 33	17 59	0 48	20 3	1 9	23 45	1 58	23 16	23 11	23 11		n.a.
S 7	11 56	22 53	0n49	14 10	0 27	24 18	2 5	21 32	1 35	15 13	1 21	16 9	2 32	17 59	0 48	20 3	1 9	23 45	1 58	23 16	23 11	23 12		n.a.
M 8	12 18	21 27	1 50	13 27	0 47	24 30	2 6	21 31	1 38	15 10	1 21	16 9	2 32	17 59	0 48	20 3	1 9	23 46	1 58	23 16	23 12	23 12		n.a.
T 9	12 40	19 4	2 46	12 42	1 7	24 42	2 7	21 29	1 41	15 8	1 21	16 9	2 32	17 59	0 48	20 3	1 9	23 46	1 58	23 16	23 12	23 12		n.a.
W10	13 1	15 49	3 36	11 56	1 27	24 52	2 8	21 27	1 43	15 5	1 22	16 9	2 32	17 59	0 48	20 3	1 9	23 46	1 58	23 17	23 12	23 12		n.a.
T 11	13 22	11 47	4 17	11 11	1 45	25 2	2 9	21 25	1 46	15 3	1 22	16 9	2 32	17 59	0 48	20 3	1 9	23 47	1 58	23 17	23 13	23 13		n.a.
F 12	13 43	7 7	4 47	10 27	2 2	25 12	2 9	21 23	1 48	15 0	1 22	16 8	2 31	17 59	0 48	20 3	1 9	23 47	1 58	23 18	23 13	23 13		n.a.
S 13	14 3	1 59	5 2	9 46	2 17	25 20	2 10	21 20	1 51	14 58	1 23	16 8	2 31	17 59	0 47	20 3	1 9	23 47	1 59	23 19	23 13	23 13		n.a.
S 14	14 24	3s23	5 0	9 9	2 30	25 28	2 10	21 18	1 53	14 56	1 23	16 8	2 31	17 59	0 47	20 3	1 9	23 48	1 59	23 20	23 14	23 13		n.a.
M15	14 44	8 44	4 41	8 37	2 41	25 35	2 11	21 15	1 56	14 53	1 23	16 7	2 31	17 58	0 47	20 3	1 10	23 48	1 59	23 21	23 14	23 13		n.a.
T 16	15 4	13 44	4 4	8 10	2 49	25 41	2 11	21 12	1 58	14 51	1 23	16 7	2 30	17 58	0 47	20 3	1 10	23 48	1 59	23 22	23 14	23 14		n.a.
W17	15 23	18 1	3 11	7 49	2 55	25 47	2 11	21 8	2 1	14 49	1 24	16 7	2 30	17 58	0 47	20 3	1 10	23 49	1 59	23 22	23 15	23 14		n.a.
T 18	15 43	21 13	2 5	7 33	2 59	25 52	2 12	21 5	2 3	14 47	1 24	16 6	2 30	17 58	0 47	20 3	1 10	23 49	1 59	23 23	23 15	23 14		n.a.
F 19	16 2	23 2	0 50	7 23	3 2	25 55	2 12	21 1	2 5	14 45	1 24	16 6	2 30	17 58	0 47	20 3	1 10	23 50	1 59	23 23	23 15	23 14		n.a.
S 20	16 20	23 18	0s27	7 18	3 2	25 59	2 12	20 57	2 8	14 43	1 24	16 5	2 29	17 57	0 47	20 3	1 10	23 50	1 59	23 23	23 15	23 14		n.a.
S 21	16 39	22 2	1 41	7 18	3 1	26 1	2 12	20 53	2 10	14 41	1 25	16 4	2 29	17 57	0 47	20 3	1 10	23 50	1 59	23 23	23 16	23 14		n.a.
M22	16 57	19 25	2 49	7 23	2 59	26 3	2 11	20 49	2 12	14 39	1 25	16 4	2 29	17 57	0 47	20 3	1 10	23 51	1 59	23 23	23 16	23 14		n.a.
T 23	17 15	15 42	3 45	7 32	2 56	26 4	2 11	20 45	2 14	14 37	1 25	16 3	2 29	17 57	0 47	20 3	1 10	23 51	1 59	23 23	23 16	23 15		n.a.
W24	17 33	11 13	4 28	7 44	2 51	26 4	2 10	20 40	2 16	14 35	1 26	16 2	2 28	17 56	0 47	20 3	1 10	23 52	1 59	23 23	23 17	23 15		n.a.
T 25	17 50	6 14	4 56	8 0	2 46	26 3	2 10	20 36	2 18	14 34	1 26	16 2	2 28	17 56	0 47	20 3	1 10	23 52	1 59	23 24	23 17	23 15		n.a.
F 26	18 7	1 3	5 6	8 18	2 41	26 2	2 9	20 31	2 20	14 32	1 26	16 1	2 28	17 56	0 47	20 3	1 10	23 52	1 59	23 24	23 17	23 15		n.a.
S 27	18 23	4n 6	5 1	8 39	2 34	26 0	2 9	20 26	2 22	14 30	1 26	16 0	2 28	17 55	0 47	20 3	1 10	23 53	1 59	23 25	23 18	23 15		n.a.
S 28	18 39	9 1	4 41	9 2	2 28	25 57	2 8	20 21	2 24	14 29	1 27	15 59	2 27	17 55	0 47	20 3	1 10	23 53	1 59	23 26	23 18	23 15		n.a.
M29	18 55	13 28	4 6	9 26	2 20	25 53	2 7	20 16	2 26	14 27	1 27	15 58	2 27	17 55	0 47	20 3	1 10	23 53	2 0	23 27	23 18	23 15		n.a.
T 30	19s11	17n17	3s21	9s53	2n13	25s49	2s 6	20n11	2n27	14n26	1n27	15s57	2s27	17s54	0s47	20n 3	1n10	23s54	2s 0	23n27	23n19	23n15		n.a.

Julian Day Number = 1105915.5, Delta T = 10h57m42s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'07, Lahiri = -27°12'06 Julian Calendar 1 Nov. 1686 BCE == Greg. Calendar 18 Oct. 1686 BCE

The year -1685 astronomical counting style corresponds to year 1686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1686 BCE
geocentric

DECEMBER 1686 BCE (-1685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 38 50	25♏14'27	12♊19	1♏43	7♑49	18°R44	26♌10	24♒23	13♒16	6°R48	7♐18	10°R32	12♋15	15♋35	n.a.	W 1
T 2	3 42 47	26°15'40	24°22	2°45	9° 0	18♉21	26°15	24°26	13°17	6♌47	7°20	10♋28	12°12	15°41	n.a.	T 2
F 3	3 46 44	27°16'53	6♋17	3°49	10°10	17°58	26°19	24°28	13°18	6°47	7°22	10°D26	12° 9	15°48	n.a.	F 3
S 4	3 50 40	28°18'06	18° 6	4°56	11°20	17°35	26°24	24°31	13°20	6°47	7°24	10°27	12° 6	15°55	n.a.	S 4
S 5	3 54 37	29°19'18	29°52	6° 5	12°30	17°13	26°28	24°33	13°21	6°46	7°26	10°28	12° 2	16° 1	n.a.	S 5
M 6	3 58 33	0♐20'29	11♌42	7°16	13°40	16°51	26°32	24°36	13°22	6°46	7°28	10°30	11°59	16° 8	n.a.	M 6
T 7	4 2 30	1°21'40	23°38	8°29	14°50	16°30	26°36	24°39	13°24	6°46	7°30	10°31	11°56	16°15	n.a.	T 7
W 8	4 6 26	2°22'51	5♍47	9°43	15°59	16° 9	26°39	24°42	13°25	6°45	7°32	10°R31	11°53	16°21	n.a.	W 8
T 9	4 10 23	3°24'00	18°13	11° 0	17° 8	15°49	26°43	24°45	13°27	6°45	7°34	10°30	11°50	16°28	n.a.	T 9
F 10	4 14 20	4°25'09	1♎ 2	12°17	18°18	15°30	26°46	24°48	13°29	6°44	7°36	10°27	11°47	16°34	n.a.	F 10
S 11	4 18 16	5°26'17	14°16	13°36	19°27	15°11	26°50	24°51	13°30	6°43	7°38	10°23	11°43	16°41	n.a.	S 11
S 12	4 22 13	6°27'25	27°58	14°57	20°36	14°52	26°53	24°54	13°32	6°43	7°39	10°18	11°40	16°48	n.a.	S 12
M13	4 26 9	7°28'32	12♏ 6	16°18	21°45	14°34	26°55	24°58	13°34	6°42	7°41	10°12	11°37	16°54	n.a.	M13
T 14	4 30 6	8°29'38	26°36	17°40	22°53	14°17	26°58	25° 1	13°36	6°42	7°43	10° 7	11°34	17° 1	n.a.	T 14
W15	4 34 2	9°30'43	11♐24	19° 4	24° 2	14° 1	27° 0	25° 5	13°37	6°41	7°45	10° 3	11°31	17° 8	n.a.	W15
T 16	4 37 59	10°31'46	26°21	20°28	25°10	13°45	27° 3	25° 9	13°39	6°40	7°47	10° 1	11°28	17°14	n.a.	T 16
F 17	4 41 56	11°32'49	11♑18	21°54	26°18	13°31	27° 5	25°13	13°41	6°39	7°49	10°D 1	11°24	17°21	n.a.	F 17
S 18	4 45 52	12°33'50	26° 8	23°20	27°26	13°16	27° 7	25°17	13°43	6°39	7°51	10° 1	11°21	17°28	n.a.	S 18
S 19	4 49 49	13°34'50	10♒44	24°47	28°33	13° 3	27° 8	25°21	13°45	6°38	7°53	10° 3	11°18	17°34	n.a.	S 19
M20	4 53 45	14°35'48	25° 2	26°15	29°41	12°51	27°10	25°25	13°47	6°37	7°55	10° 4	11°15	17°41	n.a.	M20
T 21	4 57 42	15°36'44	9♓ 1	27°43	0♒48	12°39	27°11	25°29	13°50	6°36	7°57	10° 5	11°12	17°48	n.a.	T 21
W22	5 1 38	16°37'39	22°40	29°13	1°55	12°28	27°12	25°33	13°52	6°35	7°59	10°R 5	11° 8	17°54	n.a.	W22
T 23	5 5 35	17°38'32	6♈ 0	0♐43	3° 2	12°18	27°13	25°38	13°54	6°34	8° 1	10° 4	11° 5	18° 1	n.a.	T 23
F 24	5 9 31	18°39'24	19° 2	2°14	4° 8	12° 8	27°14	25°42	13°56	6°33	8° 3	10° 2	11° 2	18° 8	n.a.	F 24
S 25	5 13 28	19°40'13	1♉49	3°46	5°15	12° 0	27°15	25°47	13°58	6°32	8° 5	9°59	10°59	18°14	n.a.	S 25
S 26	5 17 25	20°41'01	14°22	5°19	6°21	11°52	27°15	25°51	14° 1	6°31	8° 7	9°56	10°56	18°21	n.a.	S 26
M27	5 21 21	21°41'48	26°43	6°52	7°27	11°45	27°R15	25°56	14° 3	6°30	8° 9	9°53	10°53	18°27	n.a.	M27
T 28	5 25 18	22°42'33	8♊54	8°26	8°32	11°39	27°15	26° 1	14° 5	6°29	8°11	9°50	10°49	18°34	n.a.	T 28
W29	5 29 14	23°43'16	20°56	10° 1	9°37	11°34	27°15	26° 6	14° 8	6°28	8°13	9°49	10°46	18°41	n.a.	W29
T 30	5 33 11	24°43'57	2♋52	11°37	10°42	11°29	27°14	26°11	14°10	6°27	8°15	9°48	10°43	18°47	n.a.	T 30
F 31	5 37 7	25♐44'38	14♋42	13♐13	11♒47	11♉25	27♌14	26♒16	14♒13	6♌26	8♐16	9°D48	10♋40	18♋54	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s26	20n17	2s26	10s20	2n 5	25s43	2s 4	20n 6	2n29	14n24	1n28	15s56	2s27	17s54	0s47	20n 3	1n10	23s54	2s 0	23n28	23n19	23n16		n.a.
T 2	19 41	22 20	1 26	10 49	1 57	25 37	2 3	20 1	2 31	14 23	1 28	15 55	2 26	17 54	0 47	20 3	1 10	23 55	2 0	23 28	23 19	23 16		n.a.
F 3	19 55	23 22	0 23	11 19	1 49	25 31	2 2	19 56	2 32	14 22	1 28	15 54	2 26	17 53	0 47	20 4	1 10	23 55	2 0	23 28	23 19	23 16		n.a.
S 4	20 9	23 20	0n42	11 49	1 41	25 23	2 0	19 51	2 33	14 20	1 29	15 53	2 26	17 53	0 47	20 4	1 10	23 55	2 0	23 28	23 20	23 16		n.a.
S 5	20 23	22 15	1 44	12 20	1 33	25 15	1 58	19 46	2 35	14 19	1 29	15 52	2 26	17 52	0 47	20 4	1 11	23 56	2 0	23 28	23 20	23 16		n.a.
M 6	20 36	20 11	2 42	12 52	1 25	25 6	1 57	19 40	2 36	14 18	1 29	15 51	2 26	17 52	0 47	20 4	1 11	23 56	2 0	23 28	23 20	23 16		n.a.
T 7	20 49	17 15	3 34	13 24	1 16	24 57	1 55	19 35	2 37	14 17	1 30	15 50	2 25	17 51	0 47	20 4	1 11	23 57	2 0	23 28	23 21	23 16		n.a.
W 8	21 2	13 32	4 17	13 56	1 8	24 47	1 53	19 30	2 38	14 16	1 30	15 49	2 25	17 51	0 47	20 4	1 11	23 57	2 0	23 28	23 21	23 16		n.a.
T 9	21 14	9 9	4 49	14 28	1 0	24 36	1 51	19 25	2 39	14 15	1 30	15 47	2 25	17 50	0 46	20 5	1 11	23 58	2 0	23 28	23 21	23 16		n.a.
F 10	21 25	4 16	5 8	15 0	0 52	24 24	1 48	19 20	2 40	14 14	1 30	15 46	2 25	17 50	0 46	20 5	1 11	23 58	2 0	23 28	23 21	23 16		n.a.
S 11	21 37	0s58	5 11	15 32	0 43	24 12	1 46	19 15	2 41	14 13	1 31	15 45	2 24	17 49	0 46	20 5	1 11	23 58	2 0	23 29	23 22	23 16		n.a.
S 12	21 48	6 20	4 58	16 4	0 35	23 59	1 44	19 11	2 42	14 13	1 31	15 43	2 24	17 49	0 46	20 5	1 11	23 59	2 1	23 29	23 22	23 16		n.a.
M13	21 58	11 33	4 25	16 35	0 27	23 46	1 41	19 6	2 43	14 12	1 31	15 42	2 24	17 48	0 46	20 5	1 11	23 59	2 1	23 29	23 22	23 16		n.a.
T 14	22 8	16 16	3 36	17 7	0 19	23 31	1 38	19 2	2 44	14 11	1 32	15 40	2 24	17 48	0 46	20 6	1 11	24 0	2 1	23 30	23 23	23 16		n.a.
W15	22 18	20 5	2 31	17 38	0 12	23 17	1 36	18 57	2 44	14 11	1 32	15 39	2 24	17 47	0 46	20 6	1 11	24 0	2 1	23 30	23 23	23 16		n.a.
T 16	22 27	22 36	1 14	18 8	0 4	23 1	1 33	18 53	2 45	14 10	1 32	15 38	2 23	17 47	0 46	20 6	1 11	24 0	2 1	23 30	23 23	23 16		n.a.
F 17	22 35	23 31	0s 7	18 38	0s 4	22 45	1 30	18 49	2 45	14 10	1 33	15 36	2 23	17 46	0 46	20 6	1 11	24 1	2 1	23 30	23 23	23 16		n.a.
S 18	22 44	22 45	1 28	19 8	0 11	22 29	1 27	18 45	2 46	14 9	1 33	15 34	2 23	17 45	0 46	20 7	1 11	24 1	2 1	23 30	23 24	23 16		n.a.
S 19	22 52	20 27	2 41	19 37	0 18	22 12	1 23	18 41	2 46	14 9	1 33	15 33	2 23	17 45	0 46	20 7	1 11	24 2	2 1	23 30	23 24	23 16		n.a.
M20	22 59	16 55	3 43	20 5	0 25	21 54	1 20	18 37	2 47	14 9	1 34	15 31	2 22	17 44	0 46	20 7	1 11	24 2	2 1	23 30	23 24	23 16		n.a.
T 21	23 6	12 30	4 30	20 33	0 32	21 36	1 16	18 34	2 47	14 9	1 34	15 30	2 22	17 43	0 46	20 7	1 11	24 3	2 1	23 30	23 25	23 16		n.a.
W22	23 12	7 33	5 1	21 0	0 39	21 17	1 13	18 31	2 47	14 9	1 34	15 28	2 22	17 43	0 46	20 8	1 11	24 3	2 1	23 30	23 25	23 16		n.a.
T 23	23 18	2 22	5 14	21 26	0 45	20 58	1 9	18 28	2 47	14 9	1 35	15 26	2 22	17 42	0 46	20 8	1 11	24 3	2 2	23 30	23 25	23 16		n.a.
F 24	23 24	2n48	5 11	21 51	0 52	20 38	1 5	18 25	2 48	14 9	1 35	15 24	2 22	17 41	0 46	20 8	1 11	24 4	2 2	23 30	23 25	23 16		n.a.
S 25	23 29	7 45	4 53	22 15	0 58	20 18	1 1	18 22	2 48	14 9	1 35	15 23	2 21	17 41	0 46	20 8	1 11	24 4	2 2	23 30	23 26	23 16		n.a.
S 26	23 33	12 18	4 20	22 38	1 4	19 57	0 57	18 20	2 48	14 9	1 36	15 21	2 21	17 40	0 46	20 9	1 11	24 5	2 2	23 31	23 26	23 16		n.a.
M27	23 37	16 17	3 36	23 0	1 9	19 36	0 53	18 18	2 48	14 9	1 36	15 19	2 21	17 39	0 46	20 9	1 12	24 5	2 2	23 31	23 26	23 16		n.a.
T 28	23 41	19 31	2 43	23 21	1 15	19 15	0 48	18 16	2 48	14 9	1 36	15 17	2 21	17 38	0 46	20 9	1 12	24 5	2 2	23 31	23 26	23 16		n.a.
W29	23 44	21 52	1 43	23 41	1 20	18 53	0 44	18 14	2 48	14 10	1 37	15 15	2 21	17 38	0 46	20 10	1 12	24 6	2 2	23 31	23 27	23 16		n.a.
T 30	23 47	23 13	0 38	24 0	1 25	18 31	0 39	18 13	2 48	14 10	1 37	15 13	2 20	17 37	0 46	20 10	1 12	24 6	2 2	23 31	23 27	23 16		n.a.
F 31	23s49	23n31	0n27	24s18	1s30	18s 8	0s35	18n11	2n47	14n11	1n37	15s11	2s20	17s36	0s46	20n10	1n12	24s 7	2s 2	23n31	23n27	23n16		n.a.

Julian Day Number = 1105945.5, Delta T = 10h57m40s
Ecliptic obliquity = 23°53'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°19'02, Lahiri = -27°12'02 Julian Calendar 1 Dec. 1686 BCE == Greg. Calendar 17 Nov. 1686 BCE

The year -1685 astronomical counting style corresponds to year 1686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

JANUARY 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 41 4	26♐45'16	26♋30	14♐51	12♒51	11°R22	27°R13	26♒21	14♒15	6°R25	8♐18	9♋48	10♋37	19♋ 1	n.a.	S 1
S 2	5 45 0	27°45'53	8♌17	16°29	13°55	11♉20	27♌12	26°26	14°18	6♌23	8°20	9°49	10°34	19° 7	n.a.	S 2
M 3	5 48 57	28°46'28	20° 8	18° 8	14°59	11°19	27°11	26°31	14°20	6°22	8°22	9°50	10°30	19°14	n.a.	M 3
T 4	5 52 54	29°47'02	2♍ 6	19°48	16° 2	11°D18	27°10	26°37	14°23	6°21	8°24	9°51	10°27	19°21	n.a.	T 4
W 5	5 56 50	0♎47'35	14°15	21°28	17° 5	11°18	27° 8	26°42	14°26	6°20	8°26	9°52	10°24	19°27	n.a.	W 5
T 6	6 0 47	1°48'05	26°39	23°10	18° 8	11°19	27° 6	26°48	14°28	6°19	8°28	9°R53	10°21	19°34	n.a.	T 6
F 7	6 4 43	2°48'35	9♏22	24°53	19°10	11°20	27° 4	26°53	14°31	6°17	8°29	9°53	10°18	19°41	n.a.	F 7
S 8	6 8 40	3°49'02	22°29	26°36	20°12	11°23	27° 2	26°59	14°34	6°16	8°31	9°52	10°14	19°47	n.a.	S 8
S 9	6 12 36	4°49'29	6♏ 2	28°20	21°14	11°26	27° 0	27° 5	14°37	6°15	8°33	9°52	10°11	19°54	n.a.	S 9
M10	6 16 33	5°49'53	20° 3	0♎ 6	22°15	11°29	26°58	27°10	14°39	6°13	8°35	9°51	10° 8	20° 1	n.a.	M10
T 11	6 20 29	6°50'16	4♐30	1°52	23°16	11°34	26°55	27°16	14°42	6°12	8°37	9°51	10° 5	20° 7	n.a.	T 11
W12	6 24 26	7°50'38	19°19	3°39	24°16	11°39	26°52	27°22	14°45	6°10	8°38	9°51	10° 2	20°14	n.a.	W12
T 13	6 28 23	8°50'58	4♎24	5°28	25°16	11°44	26°49	27°28	14°48	6° 9	8°40	9°D51	9°59	20°21	n.a.	T 13
F 14	6 32 19	9°51'15	19°36	7°17	26°16	11°51	26°46	27°34	14°51	6° 8	8°42	9°R51	9°55	20°27	n.a.	F 14
S 15	6 36 16	10°51'31	4♒45	9° 7	27°15	11°58	26°43	27°41	14°54	6° 6	8°44	9°51	9°52	20°34	n.a.	S 15
S 16	6 40 12	11°51'45	19°42	10°58	28°13	12° 5	26°39	27°47	14°57	6° 5	8°45	9°50	9°49	20°40	n.a.	S 16
M17	6 44 9	12°51'56	4♓21	12°50	29°11	12°14	26°35	27°53	15° 0	6° 3	8°47	9°50	9°46	20°47	n.a.	M17
T 18	6 48 5	13°52'05	18°35	14°43	0♓ 9	12°23	26°31	27°59	15° 3	6° 2	8°49	9°50	9°43	20°54	n.a.	T 18
W19	6 52 2	14°52'11	2♈24	16°37	1° 6	12°32	26°27	28° 6	15° 6	6° 0	8°50	9°49	9°40	21° 0	n.a.	W19
T 20	6 55 58	15°52'16	15°46	18°31	2° 2	12°42	26°23	28°12	15° 9	5°59	8°52	9°D49	9°36	21° 7	n.a.	T 20
F 21	6 59 55	16°52'18	28°46	20°26	2°58	12°53	26°19	28°19	15°12	5°57	8°54	9°50	9°33	21°14	n.a.	F 21
S 22	7 3 52	17°52'17	11♉25	22°22	3°53	13° 4	26°14	28°25	15°15	5°56	8°55	9°50	9°30	21°20	n.a.	S 22
S 23	7 7 48	18°52'14	23°47	24°18	4°48	13°16	26° 9	28°32	15°18	5°54	8°57	9°51	9°27	21°27	n.a.	S 23
M24	7 11 45	19°52'09	5♊56	26°15	5°42	13°28	26° 5	28°38	15°21	5°52	8°59	9°52	9°24	21°34	n.a.	M24
T 25	7 15 41	20°52'02	17°56	28°12	6°35	13°41	26° 0	28°45	15°25	5°51	9° 0	9°53	9°20	21°40	n.a.	T 25
W26	7 19 38	21°51'53	29°48	0♒ 9	7°28	13°54	25°54	28°52	15°28	5°49	9° 2	9°54	9°17	21°47	n.a.	W26
T 27	7 23 34	22°51'41	11♋37	2° 5	8°19	14° 8	25°49	28°59	15°31	5°48	9° 3	9°R54	9°14	21°54	n.a.	T 27
F 28	7 27 31	23°51'27	23°25	4° 1	9°11	14°22	25°44	29° 6	15°34	5°46	9° 5	9°53	9°11	22° 0	n.a.	F 28
S 29	7 31 27	24°51'11	5♌14	5°56	10° 1	14°37	25°38	29°12	15°37	5°45	9° 6	9°52	9° 8	22° 7	n.a.	S 29
S 30	7 35 24	25°50'53	17° 6	7°49	10°50	14°52	25°32	29°19	15°41	5°43	9° 8	9°50	9° 5	22°14	n.a.	S 30
M31	7 39 21	26♎50'32	29♌ 2	9♒41	11♓39	15♉ 8	25♌26	29♒26	15♒44	5♌41	9♐ 9	9♋48	9♋ 1	22♋20	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s51	22n45	1n31	24s34	1s34	17s45	0s30	18n10	2n47	14n11	1n38	15s 9	2s20	17s35	0s46	20n11	1n12	24s 7	2s 2	23n31	23n27	23n16		n.a.
S 2	23 52	20 58	2 32	24 49	1 38	17 22	0 25	18 9	2 47	14 12	1 38	15 8	2 20	17 35	0 46	20 11	1 12	24 7	2 3	23 31	23 28	23 15		n.a.
M 3	23 53	18 17	3 26	25 2	1 42	16 58	0 20	18 9	2 47	14 13	1 38	15 5	2 20	17 34	0 46	20 11	1 12	24 8	2 3	23 31	23 28	23 15		n.a.
T 4	23 53	14 49	4 12	25 14	1 45	16 34	0 15	18 8	2 47	14 13	1 38	15 3	2 20	17 33	0 46	20 12	1 12	24 8	2 3	23 31	23 28	23 15		n.a.
W 5	23 53	10 42	4 47	25 25	1 48	16 9	0 10	18 8	2 46	14 14	1 39	15 1	2 19	17 32	0 46	20 12	1 12	24 9	2 3	23 31	23 28	23 15		n.a.
T 6	23 53	6 4	5 9	25 34	1 51	15 45	0 4	18 8	2 46	14 15	1 39	14 59	2 19	17 31	0 46	20 12	1 12	24 9	2 3	23 31	23 29	23 15		n.a.
F 7	23 52	1 5	5 18	25 41	1 53	15 20	0n 1	18 8	2 46	14 16	1 39	14 57	2 19	17 31	0 46	20 13	1 12	24 10	2 3	23 31	23 29	23 15		n.a.
S 8	23 50	4s 7	5 10	25 46	1 55	14 55	0 7	18 8	2 45	14 17	1 40	14 55	2 19	17 30	0 46	20 13	1 12	24 10	2 3	23 31	23 29	23 15		n.a.
S 9	23 48	9 18	4 45	25 50	1 57	14 30	0 13	18 9	2 45	14 18	1 40	14 53	2 19	17 29	0 46	20 14	1 12	24 10	2 3	23 31	23 29	23 15		n.a.
M10	23 46	14 11	4 3	25 52	1 58	14 4	0 18	18 10	2 44	14 19	1 40	14 51	2 19	17 28	0 46	20 14	1 12	24 11	2 3	23 31	23 30	23 15		n.a.
T 11	23 43	18 25	3 4	25 52	1 59	13 38	0 24	18 11	2 44	14 21	1 41	14 48	2 18	17 27	0 46	20 14	1 12	24 11	2 4	23 31	23 30	23 14		n.a.
W12	23 39	21 36	1 52	25 50	1 59	13 12	0 30	18 12	2 44	14 22	1 41	14 46	2 18	17 26	0 46	20 15	1 12	24 12	2 4	23 31	23 30	23 14		n.a.
T 13	23 35	23 19	0 30	25 46	1 59	12 46	0 36	18 13	2 43	14 23	1 41	14 44	2 18	17 25	0 45	20 15	1 12	24 12	2 4	23 31	23 30	23 14		n.a.
F 14	23 31	23 19	0s54	25 40	1 59	12 20	0 43	18 15	2 43	14 25	1 42	14 42	2 18	17 25	0 45	20 15	1 12	24 12	2 4	23 31	23 31	23 14		n.a.
S 15	23 26	21 36	2 14	25 32	1 58	11 53	0 49	18 17	2 42	14 26	1 42	14 39	2 18	17 24	0 45	20 16	1 12	24 13	2 4	23 31	23 31	23 14		n.a.
S 16	23 21	18 24	3 24	25 21	1 56	11 27	0 55	18 19	2 42	14 28	1 42	14 37	2 18	17 23	0 45	20 16	1 12	24 13	2 4	23 31	23 31	23 14		n.a.
M17	23 15	14 6	4 19	25 9	1 54	11 0	1 2	18 21	2 41	14 29	1 42	14 35	2 18	17 22	0 45	20 17	1 12	24 14	2 4	23 31	23 31	23 13		n.a.
T 18	23 9	9 8	4 56	24 54	1 51	10 34	1 9	18 23	2 41	14 31	1 43	14 32	2 17	17 21	0 45	20 17	1 12	24 14	2 4	23 31	23 32	23 13		n.a.
W19	23 3	3 50	5 15	24 37	1 48	10 7	1 15	18 25	2 40	14 32	1 43	14 30	2 17	17 20	0 45	20 17	1 12	24 14	2 4	23 31	23 32	23 13		n.a.
T 20	22 56	1n28	5 16	24 18	1 44	9 40	1 22	18 28	2 40	14 34	1 43	14 28	2 17	17 19	0 45	20 18	1 12	24 15	2 5	23 31	23 32	23 13		n.a.
F 21	22 48	6 34	5 1	23 57	1 40	9 13	1 29	18 31	2 39	14 36	1 43	14 25	2 17	17 18	0 45	20 18	1 12	24 15	2 5	23 31	23 32	23 13		n.a.
S 22	22 40	11 15	4 31	23 33	1 35	8 47	1 36	18 34	2 38	14 38	1 44	14 23	2 17	17 17	0 45	20 19	1 12	24 15	2 5	23 31	23 33	23 12		n.a.
S 23	22 32	15 22	3 49	23 7	1 29	8 20	1 43	18 37	2 38	14 40	1 44	14 20	2 17	17 16	0 45	20 19	1 12	24 16	2 5	23 31	23 33	23 12		n.a.
M24	22 23	18 47	2 58	22 39	1 23	7 53	1 51	18 40	2 37	14 42	1 44	14 18	2 17	17 15	0 45	20 20	1 12	24 16	2 5	23 31	23 33	23 12		n.a.
T 25	22 14	21 21	1 59	22 9	1 15	7 26	1 58	18 44	2 37	14 44	1 45	14 15	2 16	17 14	0 45	20 20	1 12	24 17	2 5	23 31	23 33	23 12		n.a.
W26	22 5	22 58	0 56	21 36	1 8	7 0	2 5	18 47	2 36	14 46	1 45	14 13	2 16	17 13	0 45	20 20	1 12	24 17	2 5	23 31	23 33	23 11		n.a.
T 27	21 55	23 32	0n10	21 2	0 59	6 33	2 13	18 51	2 36	14 48	1 45	14 10	2 16	17 12	0 45	20 21	1 13	24 17	2 5	23 31	23 34	23 11		n.a.
F 28	21 44	23 2	1 14	20 26	0 50	6 7	2 20	18 55	2 35	14 50	1 45	14 8	2 16	17 11	0 45	20 21	1 13	24 18	2 6	23 31	23 34	23 11		n.a.
S 29	21 34	21 31	2 16	19 48	0 41	5 41	2 28	18 59	2 34	14 52	1 45	14 5	2 16	17 10	0 45	20 22	1 13	24 18	2 6	23 31	23 34	23 11		n.a.
S 30	21 22	19 3	3 12	19 9	0 30	5 15	2 36	19 3	2 34	14 54	1 46	14 2	2 16	17 9	0 45	20 22	1 13	24 18	2 6	23 31	23 34	23 11		n.a.
M31	21s11	15n45	4n 0	18s28	0s19	4s49	2n44	19n 7	2n33	14n56	1n46	14s 0	2s16	17s 8	0s45	20n23	1n13	24s19	2s 6	23n31	23n35	23n10		n.a.

Julian Day Number = 1105976.5, Delta T = 10h57m38s
Ecliptic obliquity = 23°53'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'58, Lahiri = -27°11'58 Julian Calendar 1 Jan. 1685 BCE == Greg. Calendar 18 Dec. 1686 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

FEBRUARY 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 43 17	27♉50'10	11♍ 6	11♒32	12♓27	15♉24	25°R20	29♒33	15♒47	5°R40	9♐11	9°R45	8♋58	22♋27	n.a.	T 1
W 2	7 47 14	28°49'45	23°21	13°19	13°14	15°41	25♌14	29°40	15°51	5♌38	9°12	9♋42	8°55	22°34	n.a.	W 2
T 3	7 51 10	29°49'19	5♎48	15° 4	14° 0	15°58	25° 8	29°48	15°54	5°36	9°13	9°40	8°52	22°40	n.a.	T 3
F 4	7 55 7	0♒48'50	18°31	16°45	14°45	16°15	25° 2	29°55	15°57	5°35	9°15	9°38	8°49	22°47	n.a.	F 4
S 5	7 59 3	1°48'20	1♏33	18°22	15°29	16°33	24°55	0♓ 2	16° 0	5°33	9°16	9°D38	8°46	22°53	n.a.	S 5
S 6	8 3 0	2°47'48	14°57	19°55	16°12	16°51	24°49	0° 9	16° 4	5°31	9°17	9°38	8°42	23° 0	n.a.	S 6
M 7	8 6 56	3°47'14	28°45	21°24	16°54	17°10	24°42	0°16	16° 7	5°30	9°19	9°39	8°39	23° 7	n.a.	M 7
T 8	8 10 53	4°46'38	12♐58	22°47	17°34	17°29	24°35	0°24	16°11	5°28	9°20	9°41	8°36	23°13	n.a.	T 8
W 9	8 14 49	5°46'00	27°34	24° 4	18°14	17°48	24°28	0°31	16°14	5°26	9°21	9°42	8°33	23°20	n.a.	W 9
T 10	8 18 46	6°45'20	12♑30	25°15	18°53	18° 8	24°21	0°38	16°17	5°25	9°22	9°R42	8°30	23°27	n.a.	T 10
F 11	8 22 43	7°44'39	27°38	26°20	19°30	18°28	24°14	0°46	16°21	5°23	9°24	9°41	8°26	23°33	n.a.	F 11
S 12	8 26 39	8°43'55	12♒50	27°18	20° 6	18°49	24° 7	0°53	16°24	5°21	9°25	9°39	8°23	23°40	n.a.	S 12
S 13	8 30 36	9°43'08	27°55	28°10	20°40	19° 9	24° 0	1° 1	16°27	5°20	9°26	9°35	8°20	23°47	n.a.	S 13
M14	8 34 32	10°42'19	12♓46	28°54	21°13	19°31	23°53	1° 8	16°31	5°18	9°27	9°31	8°17	23°53	n.a.	M14
T 15	8 38 29	11°41'28	27°13	29°31	21°45	19°52	23°45	1°16	16°34	5°17	9°28	9°26	8°14	24° 0	n.a.	T 15
W16	8 42 25	12°40'35	11♈13	0♓ 1	22°15	20°14	23°38	1°23	16°38	5°15	9°29	9°22	8°11	24° 7	n.a.	W16
T 17	8 46 22	13°39'38	24°44	0°23	22°44	20°36	23°30	1°31	16°41	5°13	9°30	9°19	8° 7	24°13	n.a.	T 17
F 18	8 50 18	14°38'40	7♉48	0°38	23°11	20°58	23°23	1°38	16°44	5°12	9°31	9°17	8° 4	24°20	n.a.	F 18
S 19	8 54 15	15°37'39	20°28	0°46	23°36	21°21	23°15	1°46	16°48	5°10	9°32	9°D17	8° 1	24°27	n.a.	S 19
S 20	8 58 11	16°36'36	2♊48	0°R46	24° 0	21°44	23° 8	1°54	16°51	5° 8	9°33	9°18	7°58	24°33	n.a.	S 20
M21	9 2 8	17°35'30	14°53	0°40	24°21	22° 7	23° 0	2° 1	16°55	5° 7	9°34	9°20	7°55	24°40	n.a.	M21
T 22	9 6 5	18°34'21	26°47	0°27	24°41	22°31	22°53	2° 9	16°58	5° 5	9°35	9°21	7°52	24°47	n.a.	T 22
W23	9 10 1	19°33'11	8♋35	0° 7	24°59	22°55	22°45	2°17	17° 1	5° 4	9°36	9°R22	7°48	24°53	n.a.	W23
T 24	9 13 58	20°31'58	20°22	29♒42	25°15	23°19	22°37	2°24	17° 5	5° 2	9°37	9°22	7°45	25° 0	n.a.	T 24
F 25	9 17 54	21°30'43	2♌10	29°12	25°29	23°43	22°29	2°32	17° 8	5° 0	9°38	9°19	7°42	25° 6	n.a.	F 25
S 26	9 21 51	22°29'25	14° 2	28°37	25°41	24° 8	22°22	2°40	17°12	4°59	9°39	9°14	7°39	25°13	n.a.	S 26
S 27	9 25 47	23°28'06	26° 1	27°58	25°50	24°33	22°14	2°48	17°15	4°57	9°40	9° 8	7°36	25°20	n.a.	S 27
M28	9 29 44	24°26'44	8♍ 8	27°17	25°57	24°58	22° 6	2°55	17°18	4°56	9°40	9° 0	7°32	25°26	n.a.	M28
T 29	9 33 40	25♒25'20	20♍24	26♒33	26♓ 2	25♉23	21♌59	3♓ 3	17♒22	4♌54	9♐41	8♋51	7♋29	25♋33	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s59	11n48	4n37	17s46	0s 8	4s23	2n52	19n11	2n33	14n59	1n46	13s57	2s16	17s 7	0s45	20n23	1n13	24s19	2s 6	23n31	23n35	23n10		n.a.
W 2	20 47	7 19	5 3	17 4	0n 4	3 57	3 0	19 16	2 32	15 1	1 46	13 55	2 16	17 6	0 45	20 23	1 13	24 19	2 6	23 32	23 35	23 10		n.a.
T 3	20 34	2 28	5 15	16 21	0 17	3 32	3 8	19 20	2 31	15 3	1 47	13 52	2 16	17 5	0 45	20 24	1 13	24 20	2 6	23 32	23 35	23 9		n.a.
F 4	20 21	2s36	5 12	15 38	0 30	3 7	3 16	19 25	2 31	15 6	1 47	13 49	2 15	17 4	0 45	20 24	1 13	24 20	2 6	23 32	23 35	23 9		n.a.
S 5	20 8	7 40	4 53	14 56	0 43	2 42	3 24	19 29	2 30	15 8	1 47	13 47	2 15	17 3	0 45	20 25	1 13	24 20	2 7	23 32	23 36	23 9		n.a.
S 6	19 54	12 31	4 18	14 14	0 56	2 18	3 32	19 34	2 29	15 10	1 47	13 44	2 15	17 2	0 45	20 25	1 13	24 21	2 7	23 32	23 36	23 9		n.a.
M 7	19 40	16 54	3 27	13 32	1 10	1 54	3 40	19 39	2 29	15 13	1 47	13 41	2 15	17 1	0 45	20 26	1 13	24 21	2 7	23 32	23 36	23 8		n.a.
T 8	19 26	20 26	2 22	12 52	1 23	1 30	3 49	19 44	2 28	15 15	1 47	13 39	2 15	17 0	0 45	20 26	1 13	24 22	2 7	23 32	23 36	23 8		n.a.
W 9	19 11	22 46	1 6	12 14	1 37	1 7	3 57	19 49	2 28	15 18	1 48	13 36	2 15	16 59	0 45	20 26	1 13	24 22	2 7	23 32	23 37	23 8		n.a.
T 10	18 56	23 33	0s15	11 37	1 50	0 44	4 5	19 54	2 27	15 20	1 48	13 33	2 15	16 58	0 45	20 27	1 13	24 22	2 7	23 32	23 37	23 7		n.a.
F 11	18 41	22 37	1 37	11 2	2 4	0 21	4 14	19 59	2 26	15 23	1 48	13 30	2 15	16 57	0 45	20 27	1 13	24 23	2 7	23 32	23 37	23 7		n.a.
S 12	18 25	20 1	2 52	10 30	2 16	0n 1	4 22	20 4	2 26	15 26	1 48	13 28	2 15	16 56	0 45	20 28	1 13	24 23	2 8	23 32	23 37	23 7		n.a.
S 13	18 9	16 4	3 54	10 1	2 29	0 22	4 31	20 10	2 25	15 28	1 48	13 25	2 15	16 55	0 45	20 28	1 13	24 23	2 8	23 32	23 37	23 6		n.a.
M14	17 53	11 11	4 40	9 35	2 40	0 43	4 39	20 15	2 24	15 31	1 48	13 22	2 15	16 54	0 45	20 29	1 13	24 23	2 8	23 33	23 38	23 6		n.a.
T 15	17 36	5 47	5 6	9 11	2 51	1 4	4 48	20 20	2 24	15 33	1 48	13 19	2 15	16 53	0 45	20 29	1 13	24 24	2 8	23 33	23 38	23 6		n.a.
W16	17 19	0 16	5 13	8 51	3 1	1 24	4 56	20 26	2 23	15 36	1 49	13 16	2 15	16 52	0 45	20 29	1 13	24 24	2 8	23 33	23 38	23 5		n.a.
T 17	17 2	5n 5	5 2	8 35	3 11	1 43	5 5	20 31	2 22	15 39	1 49	13 14	2 15	16 51	0 45	20 30	1 13	24 24	2 8	23 33	23 38	23 5		n.a.
F 18	16 45	10 3	4 35	8 22	3 19	2 1	5 13	20 37	2 22	15 41	1 49	13 11	2 15	16 50	0 45	20 30	1 13	24 25	2 8	23 33	23 38	23 5		n.a.
S 19	16 27	14 25	3 56	8 13	3 26	2 19	5 21	20 42	2 21	15 44	1 49	13 8	2 15	16 49	0 45	20 31	1 13	24 25	2 9	23 33	23 39	23 4		n.a.
S 20	16 9	18 4	3 6	8 7	3 31	2 36	5 30	20 48	2 21	15 46	1 49	13 5	2 15	16 48	0 45	20 31	1 13	24 25	2 9	23 33	23 39	23 4		n.a.
M21	15 51	20 52	2 10	8 5	3 36	2 52	5 38	20 54	2 20	15 49	1 49	13 2	2 14	16 47	0 45	20 31	1 13	24 26	2 9	23 33	23 39	23 3		n.a.
T 22	15 33	22 43	1 8	8 7	3 38	3 8	5 46	20 59	2 19	15 52	1 49	12 59	2 14	16 46	0 45	20 32	1 13	24 26	2 9	23 33	23 39	23 3		n.a.
W23	15 14	23 32	0 4	8 13	3 40	3 22	5 54	21 5	2 19	15 54	1 49	12 57	2 14	16 44	0 45	20 32	1 13	24 26	2 9	23 33	23 39	23 3		n.a.
T 24	14 55	23 18	1n 0	8 22	3 39	3 36	6 2	21 11	2 18	15 57	1 49	12 54	2 14	16 43	0 45	20 33	1 13	24 26	2 9	23 33	23 40	23 2		n.a.
F 25	14 36	22 0	2 1	8 35	3 37	3 49	6 10	21 16	2 17	16 0	1 49	12 51	2 14	16 42	0 45	20 33	1 13	24 27	2 9	23 33	23 40	23 2		n.a.
S 26	14 17	19 44	2 57	8 50	3 34	4 1	6 18	21 22	2 17	16 2	1 49	12 48	2 14	16 41	0 45	20 33	1 13	24 27	2 10	23 34	23 40	23 1		n.a.
S 27	13 57	16 36	3 46	9 9	3 29	4 11	6 25	21 28	2 16	16 5	1 49	12 45	2 14	16 40	0 45	20 34	1 13	24 27	2 10	23 34	23 40	23 1		n.a.
M28	13 37	12 45	4 25	9 30	3 22	4 21	6 32	21 33	2 16	16 7	1 49	12 42	2 14	16 39	0 45	20 34	1 13	24 28	2 10	23 35	23 40	23 1		n.a.
T 29	13s17	8n20	4n52	9s52	3n13	4n29	6n40	21n39	2n15	16n10	1n49	12s39	2s14	16s38	0s45	20n35	1n13	24s28	2s10	23n35	23n40	23n 0		n.a.

Julian Day Number = 1106007.5, Delta T = 10h57m36s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'54, Lahiri = -27°11'54 Julian Calendar 1 Feb. 1685 BCE == Greg. Calendar 18 Jan. 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

MARCH 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 37 37	26♒23'54	2♎51	25°R48	26♓ 5	25♉49	21°R51	3♓11	17♒25	4°R53	9♐42	8°R43	7♋26	25♋40	n.a.	W 1
T 2	9 41 33	27°22'26	15°29	25♒ 3	26°R 5	26°15	21♌43	3°19	17°29	4♌51	9°42	8♋35	7°23	25°46	n.a.	T 2
F 3	9 45 30	28°20'56	28°20	24°18	26° 3	26°41	21°36	3°26	17°32	4°50	9°43	8°30	7°20	25°53	n.a.	F 3
S 4	9 49 27	29°19'25	11♏26	23°34	25°58	27° 7	21°28	3°34	17°35	4°48	9°44	8°26	7°17	26° 0	n.a.	S 4
S 5	9 53 23	0♓17'51	24°48	22°53	25°51	27°33	21°21	3°42	17°39	4°47	9°44	8°D24	7°13	26° 6	n.a.	S 5
M 6	9 57 20	1°16'16	8♐28	22°14	25°42	28° 0	21°13	3°50	17°42	4°45	9°45	8°24	7°10	26°13	n.a.	M 6
T 7	10 1 16	2°14'40	22°28	21°38	25°30	28°27	21° 6	3°58	17°45	4°44	9°45	8°25	7° 7	26°20	n.a.	T 7
W 8	10 5 13	3°13'02	6♑47	21° 6	25°15	28°54	20°58	4° 5	17°49	4°42	9°46	8°R26	7° 4	26°26	n.a.	W 8
T 9	10 9 9	4°11'22	21°24	20°38	24°58	29°21	20°51	4°13	17°52	4°41	9°47	8°25	7° 1	26°33	n.a.	T 9
F 10	10 13 6	5° 9'40	6♒14	20°15	24°39	29°49	20°43	4°21	17°55	4°40	9°47	8°23	6°57	26°40	n.a.	F 10
S 11	10 17 2	6° 7'56	21°12	19°56	24°18	0♊16	20°36	4°29	17°59	4°38	9°47	8°17	6°54	26°46	n.a.	S 11
S 12	10 20 59	7° 6'11	6♓ 8	19°43	23°54	0°44	20°29	4°37	18° 2	4°37	9°48	8°10	6°51	26°53	n.a.	S 12
M13	10 24 56	8° 4'23	20°54	19°34	23°28	1°12	20°22	4°45	18° 5	4°36	9°48	8° 1	6°48	27° 0	n.a.	M13
T 14	10 28 52	9° 2'34	5♈22	19°D30	23° 0	1°40	20°15	4°52	18° 8	4°34	9°49	7°51	6°45	27° 6	n.a.	T 14
W15	10 32 49	10° 0'42	19°26	19°31	22°30	2° 9	20° 8	5° 0	18°12	4°33	9°49	7°42	6°42	27°13	n.a.	W15
T 16	10 36 45	10°58'48	3♉ 2	19°37	21°59	2°37	20° 1	5° 8	18°15	4°32	9°49	7°35	6°38	27°20	n.a.	T 16
F 17	10 40 42	11°56'53	16°10	19°48	21°26	3° 6	19°54	5°16	18°18	4°31	9°49	7°30	6°35	27°26	n.a.	F 17
S 18	10 44 38	12°54'55	28°54	20° 4	20°51	3°35	19°48	5°24	18°21	4°29	9°50	7°27	6°32	27°33	n.a.	S 18
S 19	10 48 35	13°52'55	11♊15	20°24	20°16	4° 4	19°41	5°31	18°24	4°28	9°50	7°D26	6°29	27°40	n.a.	S 19
M20	10 52 31	14°50'54	23°21	20°49	19°39	4°33	19°35	5°39	18°28	4°27	9°50	7°26	6°26	27°46	n.a.	M20
T 21	10 56 28	15°48'50	5♋15	21°18	19° 1	5° 3	19°29	5°47	18°31	4°26	9°50	7°R27	6°23	27°53	n.a.	T 21
W22	11 0 24	16°46'44	17° 3	21°51	18°24	5°32	19°22	5°55	18°34	4°25	9°50	7°26	6°19	28° 0	n.a.	W22
T 23	11 4 21	17°44'36	28°50	22°28	17°45	6° 2	19°16	6° 2	18°37	4°24	9°50	7°24	6°16	28° 6	n.a.	T 23
F 24	11 8 18	18°42'27	10♌41	23° 8	17° 7	6°32	19°10	6°10	18°40	4°22	9°51	7°20	6°13	28°13	n.a.	F 24
S 25	11 12 14	19°40'15	22°39	23°53	16°29	7° 2	19° 5	6°18	18°43	4°21	9°51	7°12	6°10	28°19	n.a.	S 25
S 26	11 16 11	20°38'02	4♍47	24°41	15°52	7°32	18°59	6°25	18°46	4°20	9°R51	7° 3	6° 7	28°26	n.a.	S 26
M27	11 20 7	21°35'47	17° 6	25°32	15°15	8° 2	18°53	6°33	18°49	4°19	9°51	6°51	6° 3	28°33	n.a.	M27
T 28	11 24 4	22°33'30	29°37	26°27	14°39	8°33	18°48	6°41	18°52	4°18	9°51	6°39	6° 0	28°39	n.a.	T 28
W29	11 28 0	23°31'12	12♎21	27°25	14° 5	9° 3	18°43	6°48	18°55	4°17	9°50	6°26	5°57	28°46	n.a.	W29
T 30	11 31 57	24°28'52	25°17	28°26	13°32	9°34	18°38	6°56	18°58	4°16	9°50	6°15	5°54	28°53	n.a.	T 30
F 31	11 35 53	25♓26'31	8♏25	29♒30	13♓ 0	10♊ 5	18♌33	7♓ 3	19♒ 1	4♌16	9♐50	6♋ 6	5♋51	28♋59	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	12s57	3n31	5n 6	10s17	3n 3	4n36	6n46	21n45	2n14	16n13	1n49	12s37	2s14	16s37	0s45	20n35	1n13	24s28	2s10	23n36	23n41	23n 0			n.a.
T 2	12 37	1s31	5 5	10 43	2 52	4 42	6 53	21 50	2 14	16 15	1 49	12 34	2 14	16 36	0 45	20 35	1 13	24 28	2 10	23 36	23 41	22 59			n.a.
F 3	12 16	6 35	4 50	11 10	2 40	4 47	6 59	21 56	2 13	16 18	1 49	12 31	2 14	16 35	0 45	20 36	1 13	24 29	2 10	23 37	23 41	22 59			n.a.
S 4	11 55	11 27	4 18	11 37	2 26	4 50	7 5	22 2	2 13	16 20	1 49	12 28	2 14	16 34	0 45	20 36	1 13	24 29	2 11	23 37	23 41	22 58			n.a.
S 5	11 35	15 53	3 33	12 4	2 12	4 52	7 10	22 7	2 12	16 23	1 49	12 25	2 14	16 33	0 45	20 36	1 13	24 29	2 11	23 37	23 41	22 58			n.a.
M 6	11 14	19 36	2 34	12 31	1 57	4 53	7 15	22 13	2 11	16 25	1 49	12 22	2 14	16 32	0 45	20 37	1 13	24 29	2 11	23 37	23 42	22 57			n.a.
T 7	10 52	22 16	1 25	12 57	1 42	4 52	7 19	22 19	2 11	16 27	1 49	12 19	2 14	16 31	0 45	20 37	1 13	24 30	2 11	23 37	23 42	22 57			n.a.
W 8	10 31	23 34	0 9	13 23	1 26	4 50	7 23	22 24	2 10	16 30	1 49	12 16	2 14	16 30	0 45	20 37	1 13	24 30	2 11	23 37	23 42	22 56			n.a.
T 9	10 9	23 17	1s 9	13 47	1 10	4 46	7 27	22 30	2 9	16 32	1 49	12 13	2 14	16 29	0 45	20 38	1 13	24 30	2 11	23 37	23 42	22 56			n.a.
F 10	9 48	21 23	2 23	14 9	0 54	4 41	7 29	22 35	2 9	16 34	1 49	12 11	2 14	16 28	0 45	20 38	1 13	24 30	2 12	23 37	23 42	22 55			n.a.
S 11	9 26	17 59	3 28	14 30	0 38	4 35	7 31	22 41	2 8	16 37	1 49	12 8	2 14	16 27	0 45	20 38	1 13	24 30	2 12	23 38	23 42	22 55			n.a.
S 12	9 4	13 25	4 19	14 50	0 22	4 26	7 33	22 46	2 8	16 39	1 49	12 5	2 14	16 26	0 45	20 39	1 13	24 31	2 12	23 38	23 43	22 54			n.a.
M13	8 42	8 7	4 51	15 7	0 7	4 17	7 34	22 52	2 7	16 41	1 49	12 2	2 15	16 25	0 45	20 39	1 13	24 31	2 12	23 39	23 43	22 54			n.a.
T 14	8 20	2 28	5 4	15 22	0s 8	4 6	7 34	22 57	2 6	16 43	1 49	11 59	2 15	16 24	0 45	20 39	1 13	24 31	2 12	23 39	23 43	22 53			n.a.
W15	7 57	3n 9	4 58	15 36	0 22	3 53	7 33	23 2	2 6	16 46	1 49	11 56	2 15	16 23	0 45	20 40	1 13	24 31	2 12	23 40	23 43	22 53			n.a.
T 16	7 35	8 27	4 35	15 47	0 36	3 39	7 31	23 7	2 5	16 48	1 49	11 53	2 15	16 22	0 45	20 40	1 13	24 31	2 12	23 40	23 43	22 52			n.a.
F 17	7 13	13 11	3 58	15 56	0 49	3 24	7 29	23 13	2 5	16 50	1 48	11 50	2 15	16 21	0 45	20 40	1 13	24 32	2 13	23 40	23 43	22 52			n.a.
S 18	6 50	17 11	3 11	16 3	1 2	3 7	7 26	23 18	2 4	16 52	1 48	11 47	2 15	16 20	0 45	20 40	1 13	24 32	2 13	23 41	23 44	22 51			n.a.
S 19	6 27	20 19	2 15	16 8	1 14	2 49	7 22	23 23	2 4	16 54	1 48	11 45	2 15	16 19	0 45	20 41	1 13	24 32	2 13	23 41	23 44	22 51			n.a.
M20	6 5	22 29	1 15	16 10	1 25	2 31	7 17	23 28	2 3	16 56	1 48	11 42	2 15	16 18	0 45	20 41	1 13	24 32	2 13	23 41	23 44	22 50			n.a.
T 21	5 42	23 35	0 12	16 11	1 36	2 11	7 12	23 33	2 2	16 58	1 48	11 39	2 15	16 17	0 45	20 41	1 13	24 32	2 13	23 41	23 44	22 50			n.a.
W22	5 19	23 37	0n51	16 9	1 45	1 50	7 5	23 38	2 2	17 0	1 48	11 36	2 15	16 16	0 45	20 42	1 13	24 33	2 13	23 41	23 44	22 49			n.a.
T 23	4 56	22 36	1 51	16 5	1 55	1 28	6 58	23 42	2 1	17 1	1 48	11 33	2 15	16 15	0 45	20 42	1 13	24 33	2 14	23 41	23 44	22 48			n.a.
F 24	4 33	20 34	2 47	15 59	2 3	1 6	6 50	23 47	2 1	17 3	1 48	11 30	2 15	16 14	0 45	20 42	1 13	24 33	2 14	23 41	23 44	22 48			n.a.
S 25	4 10	17 37	3 36	15 52	2 11	0 43	6 41	23 52	2 0	17 5	1 47	11 27	2 15	16 13	0 45	20 42	1 13	24 33	2 14	23 41	23 45	22 47			n.a.
S 26	3 47	13 53	4 15	15 42	2 18	0 19	6 32	23 56	1 59	17 6	1 47	11 25	2 15	16 12	0 45	20 43	1 13	24 33	2 14	23 42	23 45	22 47			n.a.
M27	3 24	9 32	4 44	15 30	2 24	0s 4	6 21	24 1	1 59	17 8	1 47	11 22	2 15	16 11	0 45	20 43	1 13	24 33	2 14	23 43	23 45	22 46			n.a.
T 28	3 0	4 42	4 59	15 16	2 29	0 28	6 11	24 5	1 58	17 10	1 47	11 19	2 15	16 10	0 45	20 43	1 12	24 33	2 14	23 43	23 45	22 46			n.a.
W29	2 37	0s23	4 59	15 0	2 34	0 52	5 59	24 10	1 58	17 11	1 47	11 16	2 15	16 9	0 46	20 43	1 12	24 34	2 14	23 44	23 45	22 45			n.a.
T 30	2 14	5 33	4 45	14 42	2 38	1 16	5 48	24 14	1 57	17 13	1 47	11 13	2 16	16 8	0 46	20 43	1 12	24 34	2 15	23 44	23 45	22 44			n.a.
F 31	1s51	10s33	4n15	14s23	2s42	1s39	5n35	24n18	1n57	17n14	1n46	11s11	2s16	16s 7	0s46	20n44	1n12	24s34	2s15	23n45	23n46	22n44			n.a.

Julian Day Number = 1106036.5, Delta T = 10h57m34s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'50, Lahiri = -27°11'50 Julian Calendar 1 March 1685 BCE == Greg. Calendar 16 Feb. 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

APRIL 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 39 50	26♓24'09	21♏45	0♓36	12°R30	10♊36	18°R28	7♓11	19♒ 4	4°R15	9°R50	6°R 0	5♋48	29♋ 6	n.a.	S 1
S 2	11 43 46	27°21'45	5♐16	1°46	12♓ 2	11° 7	18♌23	7°18	19° 6	4♌14	9♐50	5♋56	5°44	29°13	n.a.	S 2
M 3	11 47 43	28°19'21	18°58	2°58	11°36	11°38	18°19	7°26	19° 9	4°13	9°50	5°55	5°41	29°19	n.a.	M 3
T 4	11 51 40	29°16'55	2♑54	4°13	11°13	12° 9	18°14	7°33	19°12	4°12	9°49	5°55	5°38	29°26	n.a.	T 4
W 5	11 55 36	0♈14'28	17° 1	5°30	10°51	12°41	18°10	7°41	19°15	4°11	9°49	5°54	5°35	29°33	n.a.	W 5
T 6	11 59 33	1°12'01	1♒21	6°50	10°32	13°12	18° 6	7°48	19°18	4°11	9°49	5°53	5°32	29°39	n.a.	T 6
F 7	12 3 29	2° 9'32	15°50	8°13	10°15	13°44	18° 2	7°56	19°20	4°10	9°49	5°49	5°29	29°46	n.a.	F 7
S 8	12 7 26	3° 7'02	0♓24	9°38	10° 1	14°16	17°58	8° 3	19°23	4° 9	9°48	5°43	5°25	29°53	n.a.	S 8
S 9	12 11 22	4° 4'31	14°59	11° 5	9°49	14°48	17°55	8°10	19°26	4° 9	9°48	5°33	5°22	29°59	n.a.	S 9
M10	12 15 19	5° 1'58	29°26	12°34	9°39	15°20	17°51	8°18	19°28	4° 8	9°47	5°22	5°19	0♌ 6	n.a.	M10
T 11	12 19 15	5°59'25	13♈40	14° 6	9°32	15°52	17°48	8°25	19°31	4° 7	9°47	5°11	5°16	0°13	n.a.	T 11
W12	12 23 12	6°56'50	27°34	15°41	9°27	16°24	17°45	8°32	19°33	4° 7	9°47	4°59	5°13	0°19	n.a.	W12
T 13	12 27 9	7°54'14	11♉ 5	17°17	9°25	16°56	17°42	8°39	19°36	4° 6	9°46	4°50	5° 9	0°26	n.a.	T 13
F 14	12 31 5	8°51'37	24°11	18°56	9°D25	17°29	17°40	8°47	19°38	4° 6	9°46	4°43	5° 6	0°33	n.a.	F 14
S 15	12 35 2	9°48'58	6♊55	20°38	9°27	18° 1	17°37	8°54	19°41	4° 5	9°45	4°38	5° 3	0°39	n.a.	S 15
S 16	12 38 58	10°46'18	19°17	22°21	9°31	18°34	17°35	9° 1	19°43	4° 5	9°44	4°36	5° 0	0°46	n.a.	S 16
M17	12 42 55	11°43'37	1♋24	24° 7	9°38	19° 7	17°32	9° 8	19°46	4° 4	9°44	4°D35	4°57	0°53	n.a.	M17
T 18	12 46 51	12°40'55	13°19	25°56	9°47	19°40	17°31	9°15	19°48	4° 4	9°43	4°R35	4°54	0°59	n.a.	T 18
W19	12 50 48	13°38'12	25° 9	27°46	9°58	20°13	17°29	9°22	19°50	4° 4	9°43	4°35	4°50	1° 6	n.a.	W19
T 20	12 54 44	14°35'27	6♌58	29°39	10°11	20°46	17°27	9°29	19°53	4° 3	9°42	4°33	4°47	1°13	n.a.	T 20
F 21	12 58 41	15°32'41	18°52	1♈34	10°26	21°19	17°26	9°35	19°55	4° 3	9°41	4°29	4°44	1°19	n.a.	F 21
S 22	13 2 38	16°29'54	0♍55	3°31	10°43	21°52	17°24	9°42	19°57	4° 3	9°41	4°22	4°41	1°26	n.a.	S 22
S 23	13 6 34	17°27'06	13°11	5°30	11° 2	22°26	17°23	9°49	19°59	4° 3	9°40	4°13	4°38	1°33	n.a.	S 23
M24	13 10 31	18°24'17	25°41	7°31	11°22	22°59	17°22	9°56	20° 2	4° 2	9°39	4° 2	4°34	1°39	n.a.	M24
T 25	13 14 27	19°21'27	8♎28	9°34	11°45	23°33	17°22	10° 2	20° 4	4° 2	9°38	3°51	4°31	1°46	n.a.	T 25
W26	13 18 24	20°18'36	21°31	11°39	12° 9	24° 6	17°21	10° 9	20° 6	4° 2	9°38	3°39	4°28	1°53	n.a.	W26
T 27	13 22 20	21°15'44	4♏48	13°45	12°35	24°40	17°21	10°16	20° 8	4° 2	9°37	3°28	4°25	1°59	n.a.	T 27
F 28	13 26 17	22°12'52	18°19	15°53	13° 2	25°14	17°21	10°22	20°10	4° 2	9°36	3°19	4°22	2° 6	n.a.	F 28
S 29	13 30 13	23°10'00	2♐ 0	18° 2	13°31	25°48	17°D20	10°29	20°12	4° 2	9°35	3°13	4°19	2°13	n.a.	S 29
S 30	13 34 10	24♈ 7'07	15♐49	20♈12	14♓ 1	26♊22	17♌21	10♓35	20♒14	4°D 2	9♐34	3♋10	4♋15	2♌19	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s27	15s 9	3n31	14s 1	2s44	2s 2	5n23	24n22	1n56	17n15	1n46	11s 8	2s16	16s 7	0s46	20n44	1n12	24s34	2s15	23n45	23n46	22n43		n.a.
S 2	1 4	19 3	2 35	13 38	2 46	2 25	5 10	24 26	1 55	17 17	1 46	11 5	2 16	16 6	0 46	20 44	1 12	24 34	2 15	23 45	23 46	22 42		n.a.
M 3	0 41	21 57	1 28	13 12	2 48	2 47	4 57	24 30	1 55	17 18	1 46	11 2	2 16	16 5	0 46	20 44	1 12	24 34	2 15	23 45	23 46	22 42		n.a.
T 4	0 17	23 36	0 16	12 45	2 48	3 8	4 43	24 34	1 54	17 19	1 46	10 59	2 16	16 4	0 46	20 44	1 12	24 34	2 15	23 45	23 46	22 41		n.a.
W 5	0n 6	23 45	0s58	12 16	2 48	3 29	4 30	24 37	1 54	17 20	1 45	10 57	2 16	16 3	0 46	20 45	1 12	24 34	2 16	23 45	23 46	22 41		n.a.
T 6	0 29	22 21	2 10	11 45	2 48	3 49	4 16	24 41	1 53	17 21	1 45	10 54	2 16	16 2	0 46	20 45	1 12	24 35	2 16	23 45	23 46	22 40		n.a.
F 7	0 52	19 28	3 14	11 13	2 47	4 8	4 2	24 44	1 53	17 22	1 45	10 51	2 16	16 1	0 46	20 45	1 12	24 35	2 16	23 46	23 47	22 39		n.a.
S 8	1 16	15 22	4 6	10 38	2 45	4 26	3 49	24 48	1 52	17 23	1 45	10 49	2 16	16 1	0 46	20 45	1 12	24 35	2 16	23 46	23 47	22 39		n.a.
S 9	1 39	10 20	4 42	10 2	2 42	4 43	3 35	24 51	1 51	17 24	1 44	10 46	2 17	16 0	0 46	20 45	1 12	24 35	2 16	23 46	23 47	22 38		n.a.
M10	2 2	4 47	4 59	9 24	2 39	5 0	3 22	24 54	1 51	17 25	1 44	10 43	2 17	15 59	0 46	20 45	1 12	24 35	2 16	23 47	23 47	22 37		n.a.
T 11	2 25	0n56	4 57	8 45	2 35	5 15	3 8	24 57	1 50	17 26	1 44	10 41	2 17	15 58	0 46	20 45	1 12	24 35	2 16	23 47	23 47	22 37		n.a.
W12	2 48	6 29	4 38	8 4	2 31	5 29	2 55	25 0	1 50	17 27	1 44	10 38	2 17	15 57	0 46	20 45	1 12	24 35	2 17	23 48	23 47	22 36		n.a.
T 13	3 12	11 35	4 3	7 21	2 26	5 42	2 42	25 3	1 49	17 27	1 43	10 35	2 17	15 57	0 46	20 46	1 12	24 35	2 17	23 48	23 47	22 35		n.a.
F 14	3 35	16 0	3 16	6 36	2 21	5 54	2 29	25 5	1 49	17 28	1 43	10 33	2 17	15 56	0 46	20 46	1 12	24 35	2 17	23 48	23 47	22 34		n.a.
S 15	3 58	19 33	2 21	5 50	2 15	6 5	2 16	25 8	1 48	17 28	1 43	10 30	2 17	15 55	0 46	20 46	1 12	24 35	2 17	23 48	23 48	22 34		n.a.
S 16	4 20	22 7	1 20	5 3	2 8	6 15	2 3	25 10	1 47	17 29	1 43	10 27	2 18	15 54	0 46	20 46	1 12	24 35	2 17	23 49	23 48	22 33		n.a.
M17	4 43	23 36	0 17	4 14	2 1	6 23	1 51	25 13	1 47	17 29	1 42	10 25	2 18	15 54	0 46	20 46	1 12	24 35	2 17	23 49	23 48	22 32		n.a.
T 18	5 6	23 59	0n46	3 23	1 54	6 31	1 39	25 15	1 46	17 30	1 42	10 22	2 18	15 53	0 46	20 46	1 12	24 35	2 17	23 49	23 48	22 32		n.a.
W19	5 29	23 15	1 47	2 31	1 46	6 38	1 27	25 17	1 46	17 30	1 42	10 20	2 18	15 52	0 46	20 46	1 12	24 36	2 18	23 49	23 48	22 31		n.a.
T 20	5 51	21 30	2 43	1 37	1 37	6 43	1 16	25 19	1 45	17 30	1 42	10 17	2 18	15 51	0 46	20 46	1 12	24 36	2 18	23 49	23 48	22 30		n.a.
F 21	6 14	18 48	3 32	0 43	1 28	6 48	1 5	25 20	1 45	17 31	1 41	10 15	2 18	15 51	0 46	20 46	1 12	24 36	2 18	23 49	23 48	22 29		n.a.
S 22	6 36	15 16	4 12	0n13	1 19	6 51	0 54	25 22	1 44	17 31	1 41	10 12	2 18	15 50	0 46	20 46	1 12	24 36	2 18	23 49	23 48	22 29		n.a.
S 23	6 59	11 3	4 42	1 10	1 9	6 54	0 43	25 23	1 43	17 31	1 41	10 10	2 19	15 49	0 46	20 46	1 12	24 36	2 18	23 49	23 48	22 28		n.a.
M24	7 21	6 17	4 58	2 8	0 59	6 55	0 33	25 25	1 43	17 31	1 41	10 7	2 19	15 49	0 46	20 46	1 12	24 36	2 18	23 50	23 49	22 27		n.a.
T 25	7 43	1 10	5 0	3 7	0 49	6 56	0 23	25 26	1 42	17 31	1 40	10 5	2 19	15 48	0 46	20 46	1 12	24 36	2 18	23 50	23 49	22 26		n.a.
W26	8 5	4s 7	4 47	4 6	0 39	6 56	0 13	25 27	1 42	17 31	1 40	10 3	2 19	15 47	0 46	20 46	1 12	24 36	2 19	23 50	23 49	22 26		n.a.
T 27	8 27	9 19	4 18	5 6	0 28	6 54	0 4	25 28	1 41	17 31	1 40	10 0	2 19	15 47	0 46	20 46	1 12	24 36	2 19	23 51	23 49	22 25		n.a.
F 28	8 48	14 11	3 34	6 6	0 17	6 52	0s 5	25 29	1 41	17 30	1 40	9 58	2 19	15 46	0 46	20 46	1 12	24 36	2 19	23 51	23 49	22 24		n.a.
S 29	9 10	18 23	2 37	7 6	0 7	6 49	0 14	25 29	1 40	17 30	1 39	9 55	2 20	15 46	0 46	20 46	1 12	24 36	2 19	23 51	23 49	22 23		n.a.
S 30	9n32	21s37	1n31	8n 6	0n 4	6s45	0s23	25n30	1n40	17n30	1n39	9s53	2s20	15s45	0s46	20n46	1n12	24s36	2s19	23n51	23n49	22n22		n.a.

Julian Day Number = 1106067.5, Delta T = 10h57m32s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'46, Lahiri = -27°11'45 Julian Calendar 1 Apr. 1685 BCE == Greg. Calendar 18 March 1685 BCE

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

MAY 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 38 7	25♈ 4'14	29♐46	22♈23	14♓33	26♊56	17♌21	10♓41	20♒15	4♌ 2	9°R33	3°D 9	4♋12	2♌26	n.a.	M 1
T 2	13 42 3	26° 1'20	13♑48	24°34	15° 6	27°30	17°22	10°48	20°17	4° 2	9♐32	3♋ 9	4° 9	2°33	n.a.	T 2
W 3	13 46 0	26°58'26	27°54	26°45	15°40	28° 4	17°22	10°54	20°19	4° 2	9°31	3°R10	4° 6	2°39	n.a.	W 3
T 4	13 49 56	27°55'33	12♒ 5	28°57	16°16	28°39	17°23	11° 0	20°21	4° 2	9°30	3° 9	4° 3	2°46	n.a.	T 4
F 5	13 53 53	28°52'39	26°17	1♉ 8	16°53	29°13	17°24	11° 6	20°23	4° 2	9°29	3° 6	4° 0	2°53	n.a.	F 5
S 6	13 57 49	29°49'44	10♓30	3°18	17°31	29°47	17°25	11°13	20°24	4° 2	9°28	3° 1	3°56	2°59	n.a.	S 6
S 7	14 1 46	0♉46'50	24°39	5°28	18°10	0♋22	17°27	11°19	20°26	4° 3	9°27	2°54	3°53	3° 6	n.a.	S 7
M 8	14 5 43	1°43'55	8♈40	7°37	18°50	0°57	17°28	11°24	20°27	4° 3	9°26	2°45	3°50	3°13	n.a.	M 8
T 9	14 9 39	2°41'01	22°30	9°44	19°31	1°32	17°30	11°30	20°29	4° 3	9°25	2°35	3°47	3°19	n.a.	T 9
W10	14 13 36	3°38'06	6♉ 4	11°50	20°14	2° 6	17°32	11°36	20°30	4° 4	9°24	2°26	3°44	3°26	n.a.	W10
T 11	14 17 32	4°35'10	19°20	13°54	20°57	2°41	17°34	11°42	20°32	4° 4	9°23	2°18	3°40	3°33	n.a.	T 11
F 12	14 21 29	5°32'15	2♊16	15°57	21°41	3°16	17°37	11°48	20°33	4° 4	9°22	2°12	3°37	3°39	n.a.	F 12
S 13	14 25 25	6°29'19	14°53	17°58	22°26	3°51	17°39	11°53	20°35	4° 5	9°21	2° 8	3°34	3°46	n.a.	S 13
S 14	14 29 22	7°26'23	27°13	19°57	23°12	4°27	17°42	11°59	20°36	4° 5	9°20	2°D 6	3°31	3°53	n.a.	S 14
M15	14 33 18	8°23'27	9♋18	21°54	23°58	5° 2	17°45	12° 4	20°37	4° 6	9°18	2° 6	3°28	3°59	n.a.	M15
T 16	14 37 15	9°20'31	21°13	23°49	24°46	5°37	17°48	12°10	20°39	4° 6	9°17	2° 7	3°25	4° 6	n.a.	T 16
W17	14 41 12	10°17'34	3♌ 4	25°42	25°34	6°13	17°51	12°15	20°40	4° 7	9°16	2° 8	3°21	4°13	n.a.	W17
T 18	14 45 8	11°14'37	14°54	27°32	26°23	6°48	17°54	12°21	20°41	4° 7	9°15	2°R 9	3°18	4°19	n.a.	T 18
F 19	14 49 5	12°11'39	26°50	29°21	27°12	7°24	17°58	12°26	20°42	4° 8	9°14	2° 7	3°15	4°26	n.a.	F 19
S 20	14 53 1	13° 8'42	8♍55	1♊ 8	28° 2	7°59	18° 1	12°31	20°43	4° 8	9°12	2° 4	3°12	4°33	n.a.	S 20
S 21	14 56 58	14° 5'44	21°15	2°53	28°53	8°35	18° 5	12°36	20°44	4° 9	9°11	1°59	3° 9	4°39	n.a.	S 21
M22	15 0 54	15° 2'46	3♎53	4°35	29°45	9°11	18° 9	12°41	20°45	4°10	9°10	1°53	3° 5	4°46	n.a.	M22
T 23	15 4 51	15°59'48	16°51	6°16	0♈37	9°46	18°13	12°46	20°46	4°11	9° 9	1°45	3° 2	4°53	n.a.	T 23
W24	15 8 48	16°56'51	0♏ 8	7°54	1°30	10°22	18°17	12°51	20°47	4°11	9° 7	1°38	2°59	4°59	n.a.	W24
T 25	15 12 44	17°53'53	13°45	9°30	2°23	10°58	18°22	12°55	20°47	4°12	9° 6	1°31	2°56	5° 6	n.a.	T 25
F 26	15 16 41	18°50'56	27°38	11° 4	3°17	11°34	18°26	13° 0	20°48	4°13	9° 5	1°26	2°53	5°13	n.a.	F 26
S 27	15 20 37	19°47'59	11♐44	12°36	4°11	12°10	18°31	13° 5	20°49	4°14	9° 3	1°22	2°50	5°19	n.a.	S 27
S 28	15 24 34	20°45'03	25°59	14° 6	5° 6	12°47	18°36	13° 9	20°50	4°15	9° 2	1°D21	2°46	5°26	n.a.	S 28
M29	15 28 30	21°42'07	10♑18	15°34	6° 2	13°23	18°41	13°14	20°50	4°16	9° 1	1°21	2°43	5°33	n.a.	M29
T 30	15 32 27	22°39'12	24°37	16°59	6°57	13°59	18°47	13°18	20°51	4°17	8°59	1°22	2°40	5°39	n.a.	T 30
W31	15 36 24	23♉36'18	8♒54	18♊22	7♈54	14♋36	18♌52	13♓22	20♒51	4♌17	8♐58	1♋23	2♋37	5♌46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	9n53	23s35	0n18	9n 6	0n15	6s40	0s31	25n30	1n39	17n29	1n39	9s51	2s20	15s44	0s46	20n46	1n12	24s36	2s19	23n51	23n49	22n22			n.a.
T 2	10 14	24 6	0s56	10 5	0 25	6 35	0 39	25 30	1 38	17 29	1 38	9 49	2 20	15 44	0 46	20 46	1 12	24 36	2 19	23 51	23 49	22 21			n.a.
W 3	10 35	23 3	2 8	11 3	0 35	6 28	0 47	25 30	1 38	17 28	1 38	9 46	2 20	15 43	0 47	20 46	1 12	24 36	2 20	23 51	23 50	22 20			n.a.
T 4	10 56	20 33	3 12	12 0	0 45	6 21	0 54	25 30	1 37	17 28	1 38	9 44	2 21	15 43	0 47	20 46	1 12	24 36	2 20	23 51	23 50	22 19			n.a.
F 5	11 17	16 48	4 4	12 56	0 54	6 13	1 1	25 30	1 37	17 27	1 38	9 42	2 21	15 42	0 47	20 46	1 12	24 36	2 20	23 51	23 50	22 18			n.a.
S 6	11 37	12 5	4 41	13 50	1 3	6 4	1 8	25 30	1 36	17 27	1 37	9 40	2 21	15 42	0 47	20 46	1 11	24 36	2 20	23 51	23 50	22 18			n.a.
S 7	11 58	6 45	5 1	14 43	1 11	5 55	1 15	25 29	1 36	17 26	1 37	9 38	2 21	15 41	0 47	20 46	1 11	24 36	2 20	23 52	23 50	22 17			n.a.
M 8	12 18	1 7	5 2	15 33	1 19	5 44	1 21	25 28	1 35	17 25	1 37	9 35	2 21	15 41	0 47	20 46	1 11	24 36	2 20	23 52	23 50	22 16			n.a.
T 9	12 38	4n30	4 46	16 22	1 27	5 34	1 27	25 27	1 35	17 24	1 37	9 33	2 22	15 40	0 47	20 46	1 11	24 36	2 20	23 52	23 50	22 15			n.a.
W10	12 58	9 49	4 14	17 9	1 33	5 22	1 33	25 26	1 34	17 24	1 36	9 31	2 22	15 40	0 47	20 46	1 11	24 36	2 21	23 52	23 50	22 14			n.a.
T 11	13 17	14 33	3 28	17 53	1 39	5 10	1 39	25 25	1 33	17 23	1 36	9 29	2 22	15 39	0 47	20 45	1 11	24 35	2 21	23 52	23 50	22 13			n.a.
F 12	13 37	18 31	2 33	18 35	1 45	4 57	1 44	25 24	1 33	17 22	1 36	9 27	2 22	15 39	0 47	20 45	1 11	24 35	2 21	23 52	23 50	22 12			n.a.
S 13	13 56	21 30	1 31	19 15	1 49	4 44	1 50	25 22	1 32	17 21	1 35	9 25	2 22	15 39	0 47	20 45	1 11	24 35	2 21	23 52	23 50	22 12			n.a.
S 14	14 15	23 25	0 26	19 52	1 53	4 30	1 55	25 21	1 32	17 20	1 35	9 23	2 23	15 38	0 47	20 45	1 11	24 35	2 21	23 52	23 51	22 11			n.a.
M15	14 34	24 12	0n39	20 27	1 57	4 16	1 59	25 19	1 31	17 18	1 35	9 21	2 23	15 38	0 47	20 45	1 11	24 35	2 21	23 52	23 51	22 10			n.a.
T 16	14 53	23 51	1 41	21 0	1 59	4 0	2 4	25 17	1 31	17 17	1 35	9 19	2 23	15 37	0 47	20 45	1 11	24 35	2 21	23 52	23 51	22 9			n.a.
W17	15 11	22 25	2 39	21 30	2 1	3 45	2 8	25 15	1 30	17 16	1 34	9 17	2 23	15 37	0 47	20 45	1 11	24 35	2 21	23 52	23 51	22 8			n.a.
T 18	15 29	20 0	3 30	21 58	2 3	3 29	2 12	25 12	1 30	17 15	1 34	9 16	2 24	15 37	0 47	20 44	1 11	24 35	2 22	23 52	23 51	22 7			n.a.
F 19	15 47	16 44	4 12	22 24	2 3	3 12	2 16	25 10	1 29	17 13	1 34	9 14	2 24	15 36	0 47	20 44	1 11	24 35	2 22	23 52	23 51	22 6			n.a.
S 20	16 5	12 44	4 44	22 47	2 3	2 55	2 20	25 7	1 28	17 12	1 34	9 12	2 24	15 36	0 47	20 44	1 11	24 35	2 22	23 52	23 51	22 5			n.a.
S 21	16 22	8 9	5 3	23 8	2 3	2 38	2 23	25 4	1 28	17 10	1 33	9 10	2 24	15 36	0 47	20 44	1 11	24 35	2 22	23 53	23 51	22 4			n.a.
M22	16 39	3 7	5 8	23 27	2 1	2 20	2 27	25 1	1 27	17 9	1 33	9 8	2 25	15 36	0 47	20 44	1 11	24 35	2 22	23 53	23 51	22 3			n.a.
T 23	16 56	2s10	4 58	23 43	1 59	2 2	2 30	24 58	1 27	17 7	1 33	9 7	2 25	15 35	0 47	20 43	1 11	24 35	2 22	23 53	23 51	22 2			n.a.
W24	17 13	7 30	4 31	23 58	1 57	1 43	2 33	24 54	1 26	17 6	1 33	9 5	2 25	15 35	0 47	20 43	1 11	24 35	2 22	23 53	23 51	22 1			n.a.
T 25	17 29	12 38	3 49	24 10	1 54	1 24	2 35	24 51	1 26	17 4	1 32	9 3	2 25	15 35	0 47	20 43	1 11	24 34	2 22	23 53	23 51	22 1			n.a.
F 26	17 45	17 12	2 52	24 21	1 50	1 5	2 38	24 47	1 25	17 2	1 32	9 2	2 25	15 35	0 47	20 43	1 11	24 34	2 22	23 53	23 52	22 0			n.a.
S 27	18 1	20 54	1 44	24 29	1 46	0 45	2 40	24 43	1 24	17 1	1 32	9 0	2 26	15 34	0 47	20 43	1 11	24 34	2 23	23 53	23 52	21 59			n.a.
S 28	18 17	23 21	0 29	24 36	1 41	0 25	2 42	24 39	1 24	16 59	1 31	8 59	2 26	15 34	0 48	20 42	1 11	24 34	2 23	23 53	23 52	21 58			n.a.
M29	18 32	24 17	0s48	24 41	1 36	0 4	2 44	24 35	1 23	16 57	1 31	8 57	2 26	15 34	0 48	20 42	1 11	24 34	2 23	23 53	23 52	21 57			n.a.
T 30	18 47	23 37	2 3	24 44	1 30	0n17	2 46	24 31	1 23	16 55	1 31	8 56	2 27	15 34	0 48	20 42	1 11	24 34	2 23	23 53	23 52	21 56			n.a.
W31	19n 2	21s25	3s10	24n46	1n24	0n38	2s48	24n26	1n22	16n53	1n31	8s54	2s27	15s34	0s48	20n42	1n11	24s34	2s23	23n53	23n52	21n55			n.a.

Julian Day Number = 1106097.5, Delta T = 10h57m30s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'42, Lahiri = -27°11'41 Julian Calendar 1 May 1685 BCE == Greg. Calendar 17 Apr. 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

JUNE 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 40 20	24♉33'24	23♒ 6	19♊44	8♈51	15♋12	18♌57	13♓27	20♒52	4♌18	8°R57	1°R24	2♋34	5♌53	n.a.	T 1
F 2	15 44 17	25°30'31	7♓12	21° 2	9°48	15°49	19° 3	13°31	20°52	4°20	8♐55	1♋24	2°31	5°59	n.a.	F 2
S 3	15 48 13	26°27'39	21° 9	22°19	10°46	16°25	19° 9	13°35	20°53	4°21	8°54	1°21	2°27	6° 6	n.a.	S 3
S 4	15 52 10	27°24'48	4♈57	23°33	11°44	17° 2	19°15	13°39	20°53	4°22	8°52	1°18	2°24	6°13	n.a.	S 4
M 5	15 56 6	28°21'58	18°33	24°44	12°42	17°39	19°21	13°43	20°53	4°23	8°51	1°13	2°21	6°19	n.a.	M 5
T 6	16 0 3	29°19'09	1♉57	25°53	13°41	18°15	19°27	13°46	20°53	4°24	8°50	1° 8	2°18	6°26	n.a.	T 6
W 7	16 3 59	0♊16'20	15° 7	26°59	14°40	18°52	19°34	13°50	20°54	4°25	8°48	1° 4	2°15	6°33	n.a.	W 7
T 8	16 7 56	1°13'32	28° 2	28° 3	15°40	19°29	19°40	13°54	20°54	4°26	8°47	0°59	2°11	6°39	n.a.	T 8
F 9	16 11 53	2°10'45	10♊42	29° 4	16°40	20° 6	19°47	13°57	20°54	4°28	8°45	0°57	2° 8	6°46	n.a.	F 9
S 10	16 15 49	3° 7'59	23° 7	0♋ 2	17°40	20°43	19°54	14° 0	20°R54	4°29	8°44	0°55	2° 5	6°53	n.a.	S 10
S 11	16 19 46	4° 5'14	5♋19	0°57	18°41	21°21	20° 1	14° 4	20°54	4°30	8°43	0°D55	2° 2	6°59	n.a.	S 11
M12	16 23 42	5° 2'29	17°20	1°49	19°42	21°58	20° 8	14° 7	20°54	4°31	8°41	0°56	1°59	7° 6	n.a.	M12
T 13	16 27 39	5°59'45	29°14	2°37	20°43	22°35	20°15	14°10	20°54	4°33	8°40	0°57	1°56	7°13	n.a.	T 13
W14	16 31 35	6°57'02	11♌ 3	3°22	21°45	23°13	20°22	14°13	20°54	4°34	8°38	0°59	1°52	7°19	n.a.	W14
T 15	16 35 32	7°54'19	22°54	4° 4	22°46	23°50	20°30	14°16	20°53	4°35	8°37	1° 0	1°49	7°26	n.a.	T 15
F 16	16 39 29	8°51'37	4♍49	4°42	23°49	24°28	20°37	14°19	20°53	4°37	8°35	1°R 1	1°46	7°33	n.a.	F 16
S 17	16 43 25	9°48'56	16°54	5°15	24°51	25° 5	20°45	14°21	20°53	4°38	8°34	1° 1	1°43	7°39	n.a.	S 17
S 18	16 47 22	10°46'16	29°14	5°45	25°54	25°43	20°53	14°24	20°53	4°40	8°33	1° 0	1°40	7°46	n.a.	S 18
M19	16 51 18	11°43'36	11♎53	6°10	26°57	26°20	21° 1	14°27	20°52	4°41	8°31	0°58	1°37	7°53	n.a.	M19
T 20	16 55 15	12°40'57	24°54	6°31	28° 0	26°58	21° 9	14°29	20°52	4°43	8°30	0°56	1°33	7°59	n.a.	T 20
W21	16 59 11	13°38'20	8♏18	6°47	29° 3	27°36	21°17	14°31	20°51	4°44	8°28	0°53	1°30	8° 6	n.a.	W21
T 22	17 3 8	14°35'43	22° 6	6°59	0♉ 7	28°14	21°25	14°34	20°51	4°46	8°27	0°51	1°27	8°13	n.a.	T 22
F 23	17 7 4	15°33'07	6♐15	7° 5	1°11	28°52	21°34	14°36	20°50	4°47	8°25	0°50	1°24	8°19	n.a.	F 23
S 24	17 11 1	16°30'33	20°43	7°R 6	2°15	29°30	21°42	14°38	20°49	4°49	8°24	0°49	1°21	8°26	n.a.	S 24
S 25	17 14 58	17°28'00	5♑22	7° 2	3°19	0♌ 8	21°51	14°40	20°49	4°51	8°23	0°D49	1°17	8°33	n.a.	S 25
M26	17 18 54	18°25'28	20° 6	6°53	4°24	0°46	22° 0	14°41	20°48	4°52	8°21	0°49	1°14	8°39	n.a.	M26
T 27	17 22 51	19°22'58	4♒50	6°38	5°29	1°24	22° 9	14°43	20°47	4°54	8°20	0°50	1°11	8°46	n.a.	T 27
W28	17 26 47	20°20'29	19°26	6°18	6°34	2° 3	22°18	14°45	20°46	4°56	8°18	0°51	1° 8	8°53	n.a.	W28
T 29	17 30 44	21°18'02	3♓50	5°52	7°39	2°41	22°27	14°46	20°46	4°57	8°17	0°52	1° 5	8°59	n.a.	T 29
F 30	17 34 40	22♊15'36	17♓59	5♋22	8♉45	3♌19	22♌36	14♓48	20♒45	4♌59	8♐16	0°R52	1♋ 2	9♌ 6	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n16	17s55	4s 5	24n46	1n17	0n59	2s49	24n21	1n22	16n51	1n30	8s53	2s27	15s34	0s48	20n41	1n11	24s34	2s23	23n53	23n52	21n54		n.a.
F 2	19 30	13 25	4 44	24 44	1 9	1 21	2 51	24 17	1 21	16 49	1 30	8 52	2 27	15 34	0 48	20 41	1 11	24 34	2 23	23 53	23 52	21 53		n.a.
S 3	19 44	8 15	5 7	24 41	1 1	1 43	2 52	24 11	1 21	16 47	1 30	8 50	2 28	15 33	0 48	20 41	1 11	24 34	2 23	23 53	23 52	21 52		n.a.
S 4	19 57	2 45	5 11	24 37	0 53	2 5	2 53	24 6	1 20	16 45	1 30	8 49	2 28	15 33	0 48	20 40	1 11	24 33	2 23	23 53	23 52	21 51		n.a.
M 5	20 10	2n50	4 58	24 31	0 44	2 27	2 54	24 1	1 19	16 43	1 29	8 48	2 28	15 33	0 48	20 40	1 11	24 33	2 24	23 53	23 52	21 50		n.a.
T 6	20 23	8 11	4 28	24 25	0 35	2 50	2 54	23 55	1 19	16 40	1 29	8 46	2 28	15 33	0 48	20 40	1 11	24 33	2 24	23 53	23 52	21 49		n.a.
W 7	20 35	13 6	3 45	24 17	0 25	3 12	2 55	23 49	1 18	16 38	1 29	8 45	2 29	15 33	0 48	20 40	1 11	24 33	2 24	23 53	23 52	21 48		n.a.
T 8	20 48	17 20	2 50	24 8	0 15	3 35	2 55	23 44	1 18	16 36	1 29	8 44	2 29	15 33	0 48	20 39	1 11	24 33	2 24	23 53	23 52	21 47		n.a.
F 9	20 59	20 41	1 49	23 58	0 5	3 58	2 56	23 37	1 17	16 33	1 29	8 43	2 29	15 33	0 48	20 39	1 11	24 33	2 24	23 53	23 52	21 46		n.a.
S 10	21 11	23 0	0 43	23 47	0s 6	4 22	2 56	23 31	1 17	16 31	1 28	8 42	2 30	15 33	0 48	20 39	1 11	24 33	2 24	23 53	23 52	21 45		n.a.
S 11	21 22	24 11	0n24	23 36	0 17	4 45	2 56	23 25	1 16	16 29	1 28	8 41	2 30	15 33	0 48	20 38	1 11	24 33	2 24	23 53	23 52	21 44		n.a.
M12	21 32	24 13	1 29	23 24	0 29	5 8	2 56	23 18	1 15	16 26	1 28	8 40	2 30	15 33	0 48	20 38	1 11	24 32	2 24	23 53	23 53	21 43		n.a.
T 13	21 43	23 8	2 30	23 11	0 41	5 32	2 55	23 11	1 15	16 23	1 28	8 39	2 30	15 34	0 48	20 38	1 10	24 32	2 24	23 53	23 53	21 41		n.a.
W14	21 53	21 2	3 23	22 58	0 53	5 56	2 55	23 4	1 14	16 21	1 27	8 38	2 31	15 34	0 48	20 37	1 10	24 32	2 24	23 53	23 53	21 40		n.a.
T 15	22 2	18 3	4 8	22 44	1 6	6 19	2 55	22 57	1 14	16 18	1 27	8 37	2 31	15 34	0 48	20 37	1 10	24 32	2 25	23 53	23 53	21 39		n.a.
F 16	22 12	14 18	4 43	22 30	1 18	6 43	2 54	22 50	1 13	16 16	1 27	8 36	2 31	15 34	0 48	20 36	1 10	24 32	2 25	23 53	23 53	21 38		n.a.
S 17	22 20	9 57	5 6	22 16	1 31	7 7	2 53	22 42	1 13	16 13	1 27	8 35	2 32	15 34	0 48	20 36	1 10	24 32	2 25	23 53	23 53	21 37		n.a.
S 18	22 29	5 7	5 15	22 2	1 44	7 31	2 52	22 35	1 12	16 10	1 26	8 35	2 32	15 34	0 48	20 36	1 10	24 32	2 25	23 53	23 53	21 36		n.a.
M19	22 37	0s 3	5 10	21 47	1 58	7 55	2 52	22 27	1 11	16 7	1 26	8 34	2 32	15 34	0 48	20 35	1 10	24 31	2 25	23 53	23 53	21 35		n.a.
T 20	22 45	5 21	4 48	21 33	2 11	8 19	2 50	22 19	1 11	16 4	1 26	8 33	2 32	15 34	0 48	20 35	1 10	24 31	2 25	23 53	23 53	21 34		n.a.
W21	22 52	10 35	4 11	21 19	2 24	8 43	2 49	22 11	1 10	16 1	1 26	8 33	2 33	15 35	0 48	20 35	1 10	24 31	2 25	23 53	23 53	21 33		n.a.
T 22	22 59	15 27	3 18	21 5	2 37	9 6	2 48	22 2	1 10	15 59	1 26	8 32	2 33	15 35	0 49	20 34	1 10	24 31	2 25	23 53	23 53	21 32		n.a.
F 23	23 5	19 36	2 12	20 52	2 51	9 30	2 47	21 54	1 9	15 56	1 25	8 32	2 33	15 35	0 49	20 34	1 10	24 31	2 25	23 53	23 53	21 31		n.a.
S 24	23 12	22 38	0 56	20 39	3 3	9 54	2 45	21 45	1 8	15 53	1 25	8 31	2 34	15 35	0 49	20 33	1 10	24 31	2 25	23 53	23 53	21 29		n.a.
S 25	23 17	24 12	0s25	20 26	3 16	10 18	2 44	21 36	1 8	15 50	1 25	8 31	2 34	15 36	0 49	20 33	1 10	24 30	2 25	23 53	23 53	21 28		n.a.
M26	23 22	24 5	1 45	20 15	3 28	10 41	2 42	21 27	1 7	15 46	1 25	8 30	2 34	15 36	0 49	20 32	1 10	24 30	2 25	23 53	23 53	21 27		n.a.
T 27	23 27	22 17	2 58	20 4	3 39	11 5	2 40	21 18	1 7	15 43	1 25	8 30	2 35	15 36	0 49	20 32	1 10	24 30	2 26	23 53	23 53	21 26		n.a.
W28	23 32	19 2	3 58	19 54	3 50	11 28	2 38	21 9	1 6	15 40	1 24	8 29	2 35	15 36	0 49	20 32	1 10	24 30	2 26	23 53	23 53	21 25		n.a.
T 29	23 36	14 40	4 43	19 46	4 0	11 52	2 36	21 0	1 6	15 37	1 24	8 29	2 35	15 37	0 49	20 31	1 10	24 30	2 26	23 53	23 53	21 24		n.a.
F 30	23n40	9s34	5s 9	19n38	4s 9	12n15	2s34	20n50	1n 5	15n34	1n24	8s29	2s35	15s37	0s49	20n31	1n10	24s30	2s26	23n53	23n53	21n23		n.a.

Julian Day Number = 1106128.5, Delta T = 10h57m28s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'38, Lahiri = -27°11'37 Julian Calendar 1 June 1685 BCE == Greg. Calendar 18 May 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

JULY 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 38 37	23♊13'13	1♈52	4°R47	9♉50	3♌58	22♌45	14♓49	20°R44	5♌ 1	8°R14	0°R52	0♋58	9♌13	n.a.	S 1
S 2	17 42 33	24°10'50	15°27	4♋ 7	10°56	4°36	22°55	14°50	20♒43	5° 3	8♐13	0♋51	0°55	9°19	n.a.	S 2
M 3	17 46 30	25° 8'30	28°45	3°24	12° 2	5°15	23° 4	14°51	20°42	5° 4	8°12	0°51	0°52	9°26	n.a.	M 3
T 4	17 50 27	26° 6'12	11♉48	2°37	13° 9	5°54	23°14	14°52	20°41	5° 6	8°10	0°50	0°49	9°33	n.a.	T 4
W 5	17 54 23	27° 3'55	24°36	1°48	14°15	6°32	23°23	14°53	20°40	5° 8	8° 9	0°50	0°46	9°39	n.a.	W 5
T 6	17 58 20	28° 1'40	7♊10	0°57	15°22	7°11	23°33	14°54	20°38	5°10	8° 8	0°49	0°43	9°46	n.a.	T 6
F 7	18 2 16	28°59'27	19°33	0° 5	16°29	7°50	23°43	14°54	20°37	5°12	8° 6	0°49	0°39	9°53	n.a.	F 7
S 8	18 6 13	29°57'15	1♋44	29♊14	17°36	8°29	23°53	14°55	20°36	5°14	8° 5	0°D49	0°36	9°59	n.a.	S 8
S 9	18 10 9	0♋55'05	13°47	28°24	18°43	9° 8	24° 3	14°55	20°35	5°16	8° 4	0°R49	0°33	10° 6	n.a.	S 9
M10	18 14 6	1°52'57	25°42	27°36	19°50	9°47	24°13	14°56	20°33	5°17	8° 2	0°49	0°30	10°13	n.a.	M10
T 11	18 18 2	2°50'50	7♌33	26°52	20°58	10°26	24°24	14°56	20°32	5°19	8° 1	0°49	0°27	10°20	n.a.	T 11
W12	18 21 59	3°48'45	19°22	26°12	22° 5	11° 5	24°34	14°R56	20°30	5°21	8° 0	0°49	0°23	10°26	n.a.	W12
T 13	18 25 56	4°46'41	1♍12	25°37	23°13	11°45	24°45	14°56	20°29	5°23	7°59	0°48	0°20	10°33	n.a.	T 13
F 14	18 29 52	5°44'39	13° 7	25° 8	24°21	12°24	24°55	14°56	20°28	5°25	7°57	0°48	0°17	10°40	n.a.	F 14
S 15	18 33 49	6°42'38	25°11	24°45	25°29	13° 3	25° 6	14°56	20°26	5°27	7°56	0°47	0°14	10°46	n.a.	S 15
S 16	18 37 45	7°40'38	7♎28	24°31	26°37	13°43	25°16	14°55	20°24	5°29	7°55	0°D47	0°11	10°53	n.a.	S 16
M17	18 41 42	8°38'41	20° 3	24°D23	27°46	14°22	25°27	14°55	20°23	5°31	7°54	0°47	0° 8	11° 0	n.a.	M17
T 18	18 45 38	9°36'45	3♏ 0	24°24	28°54	15° 2	25°38	14°54	20°21	5°33	7°53	0°48	0° 4	11° 6	n.a.	T 18
W19	18 49 35	10°34'50	16°21	24°33	0♊ 3	15°41	25°49	14°54	20°20	5°35	7°51	0°49	0° 1	11°13	n.a.	W19
T 20	18 53 31	11°32'57	0♐ 9	24°51	1°12	16°21	26° 0	14°53	20°18	5°38	7°50	0°50	29♊58	11°20	n.a.	T 20
F 21	18 57 28	12°31'06	14°23	25°16	2°21	17° 1	26°11	14°52	20°16	5°40	7°49	0°50	29°55	11°26	n.a.	F 21
S 22	19 1 25	13°29'17	29° 0	25°50	3°30	17°41	26°22	14°51	20°14	5°42	7°48	0°R51	29°52	11°33	n.a.	S 22
S 23	19 5 21	14°27'29	13♑55	26°32	4°39	18°21	26°33	14°50	20°12	5°44	7°47	0°50	29°49	11°40	n.a.	S 23
M24	19 9 18	15°25'44	29° 0	27°22	5°48	19° 1	26°45	14°49	20°11	5°46	7°46	0°49	29°45	11°46	n.a.	M24
T 25	19 13 14	16°24'00	14♒ 7	28°20	6°58	19°41	26°56	14°48	20° 9	5°48	7°45	0°48	29°42	11°53	n.a.	T 25
W26	19 17 11	17°22'19	29° 5	29°24	8° 8	20°21	27° 8	14°46	20° 7	5°50	7°44	0°46	29°39	12° 0	n.a.	W26
T 27	19 21 7	18°20'39	13♓48	0♋35	9°17	21° 1	27°19	14°45	20° 5	5°52	7°43	0°44	29°36	12° 6	n.a.	T 27
F 28	19 25 4	19°19'02	28° 9	1°52	10°27	21°41	27°31	14°43	20° 3	5°54	7°42	0°42	29°33	12°13	n.a.	F 28
S 29	19 29 0	20°17'27	12♈ 7	3°15	11°37	22°21	27°42	14°41	20° 1	5°57	7°41	0°41	29°29	12°20	n.a.	S 29
S 30	19 32 57	21°15'55	25°40	4°43	12°47	23° 2	27°54	14°39	19°59	5°59	7°40	0°D41	29°26	12°26	n.a.	S 30
M31	19 36 54	22♋14'25	8♉50	6♋16	13♊58	23♌42	28♌ 6	14♓38	19♒57	6♌ 1	7♐39	0♋42	29♊23	12♌33	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n43	4s 5	5s17	19n32	4s16	12n38	2s32	20n40	1n 4	15n30	1n24	8s29	2s36	15s37	0s49	20n30	1n10	24s30	2s26	23n53	23n53	21n21		n.a.
S 2	23 46	1n29	5 7	19 27	4 23	13 1	2 30	20 30	1 4	15 27	1 24	8 28	2 36	15 38	0 49	20 30	1 10	24 29	2 26	23 53	23 53	21 20		n.a.
M 3	23 48	6 52	4 40	19 23	4 28	13 24	2 28	20 20	1 3	15 24	1 23	8 28	2 36	15 38	0 49	20 29	1 10	24 29	2 26	23 53	23 53	21 19		n.a.
T 4	23 50	11 52	4 0	19 21	4 31	13 46	2 25	20 10	1 3	15 20	1 23	8 28	2 37	15 39	0 49	20 29	1 10	24 29	2 26	23 53	23 53	21 18		n.a.
W 5	23 51	16 15	3 8	19 20	4 32	14 9	2 23	19 59	1 2	15 17	1 23	8 28	2 37	15 39	0 49	20 28	1 10	24 29	2 26	23 53	23 53	21 17		n.a.
T 6	23 53	19 49	2 8	19 21	4 32	14 31	2 21	19 49	1 1	15 13	1 23	8 28	2 37	15 39	0 49	20 28	1 10	24 29	2 26	23 53	23 53	21 16		n.a.
F 7	23 53	22 26	1 2	19 24	4 30	14 53	2 18	19 38	1 1	15 10	1 23	8 28	2 38	15 40	0 49	20 27	1 10	24 29	2 26	23 53	23 53	21 14		n.a.
S 8	23 53	23 58	0n 5	19 27	4 26	15 14	2 15	19 27	1 0	15 6	1 23	8 28	2 38	15 40	0 49	20 27	1 10	24 28	2 26	23 53	23 53	21 13		n.a.
S 9	23 53	24 21	1 11	19 33	4 20	15 36	2 13	19 16	1 0	15 3	1 22	8 28	2 38	15 41	0 49	20 27	1 10	24 28	2 26	23 53	23 53	21 12		n.a.
M10	23 53	23 36	2 14	19 40	4 12	15 57	2 10	19 5	0 59	14 59	1 22	8 28	2 39	15 41	0 49	20 26	1 10	24 28	2 26	23 53	23 53	21 11		n.a.
T 11	23 52	21 47	3 10	19 49	4 3	16 17	2 7	18 53	0 58	14 55	1 22	8 29	2 39	15 42	0 49	20 26	1 10	24 28	2 26	23 53	23 53	21 10		n.a.
W12	23 50	19 3	3 58	19 59	3 52	16 38	2 4	18 42	0 58	14 52	1 22	8 29	2 39	15 42	0 49	20 25	1 10	24 28	2 27	23 53	23 53	21 8		n.a.
T 13	23 48	15 32	4 36	20 10	3 39	16 58	2 1	18 30	0 57	14 48	1 22	8 29	2 39	15 43	0 49	20 25	1 10	24 28	2 27	23 53	23 53	21 7		n.a.
F 14	23 46	11 23	5 2	20 23	3 25	17 18	1 59	18 18	0 57	14 44	1 22	8 29	2 40	15 43	0 49	20 24	1 10	24 28	2 27	23 53	23 53	21 6		n.a.
S 15	23 43	6 46	5 16	20 37	3 10	17 38	1 56	18 6	0 56	14 40	1 21	8 30	2 40	15 44	0 49	20 24	1 10	24 27	2 27	23 53	23 53	21 5		n.a.
S 16	23 40	1 47	5 15	20 52	2 55	17 57	1 52	17 54	0 55	14 37	1 21	8 30	2 40	15 44	0 49	20 23	1 10	24 27	2 27	23 53	23 53	21 3		n.a.
M17	23 36	3s22	5 0	21 8	2 38	18 15	1 49	17 42	0 55	14 33	1 21	8 31	2 41	15 45	0 49	20 22	1 10	24 27	2 27	23 53	23 53	21 2		n.a.
T 18	23 32	8 32	4 29	21 25	2 21	18 34	1 46	17 30	0 54	14 29	1 21	8 31	2 41	15 45	0 49	20 22	1 10	24 27	2 27	23 53	23 53	21 1		n.a.
W19	23 28	13 30	3 42	21 43	2 4	18 52	1 43	17 17	0 54	14 25	1 21	8 32	2 41	15 46	0 49	20 21	1 10	24 27	2 27	23 53	23 53	21 0		n.a.
T 20	23 23	17 56	2 42	22 1	1 47	19 9	1 40	17 4	0 53	14 21	1 21	8 32	2 42	15 46	0 49	20 21	1 10	24 27	2 27	23 53	23 53	20 58		n.a.
F 21	23 17	21 28	1 30	22 19	1 29	19 27	1 37	16 51	0 52	14 17	1 21	8 33	2 42	15 47	0 49	20 20	1 10	24 26	2 27	23 53	23 53	20 57		n.a.
S 22	23 12	23 43	0 10	22 37	1 12	19 43	1 33	16 39	0 52	14 13	1 20	8 34	2 42	15 48	0 50	20 20	1 10	24 26	2 27	23 53	23 53	20 56		n.a.
S 23	23 5	24 20	1s12	22 55	0 56	20 0	1 30	16 25	0 51	14 9	1 20	8 34	2 42	15 48	0 50	20 19	1 10	24 26	2 27	23 53	23 53	20 54		n.a.
M24	22 59	23 11	2 30	23 13	0 39	20 15	1 27	16 12	0 50	14 5	1 20	8 35	2 43	15 49	0 50	20 19	1 10	24 26	2 27	23 53	23 53	20 53		n.a.
T 25	22 52	20 22	3 37	23 29	0 24	20 31	1 23	15 59	0 50	14 1	1 20	8 36	2 43	15 49	0 50	20 18	1 10	24 26	2 27	23 53	23 53	20 52		n.a.
W26	22 44	16 12	4 29	23 45	0 9	20 46	1 20	15 45	0 49	13 57	1 20	8 37	2 43	15 50	0 50	20 18	1 10	24 26	2 27	23 53	23 53	20 51		n.a.
T 27	22 36	11 7	5 2	23 59	0n 6	21 0	1 17	15 32	0 49	13 53	1 20	8 37	2 44	15 51	0 50	20 17	1 10	24 26	2 27	23 53	23 53	20 49		n.a.
F 28	22 28	5 33	5 15	24 12	0 19	21 14	1 13	15 18	0 48	13 48	1 20	8 38	2 44	15 51	0 50	20 17	1 10	24 26	2 27	23 53	23 53	20 48		n.a.
S 29	22 19	0n 8	5 10	24 23	0 32	21 27	1 10	15 4	0 47	13 44	1 19	8 39	2 44	15 52	0 50	20 16	1 10	24 25	2 27	23 53	23 53	20 47		n.a.
S 30	22 10	5 40	4 46	24 32	0 43	21 40	1 6	14 50	0 47	13 40	1 19	8 40	2 44	15 53	0 50	20 16	1 10	24 25	2 27	23 53	23 53	20 45		n.a.
M31	22n 1	10n47	4s 9	24n38	0n54	21n52	1s 3	14n36	0n46	13n36	1n19	8s41	2s45	15s53	0s50	20n15	1n10	24s25	2s27	23n53	23n53	20n44		n.a.

Julian Day Number = 1106158.5, Delta T = 10h57m27s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'34, Lahiri = -27°11'33 Julian Calendar 1 July 1685 BCE == Greg. Calendar 17 June 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

AUGUST 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 40 50	23♋12'57	21♉40	7♋53	15♊ 8	24♌22	28♌18	14°R36	19°R55	6♌ 3	7°R38	0♋43	29♊20	12♌40	n.a.	T 1
W 2	19 44 47	24°11'32	4♊12	9°33	16°19	25° 3	28°29	14♓33	19♒53	6° 5	7♐37	0°45	29°17	12°46	n.a.	W 2
T 3	19 48 43	25°10'09	16°31	11°16	17°29	25°44	28°41	14°31	19°51	6° 8	7°36	0°46	29°14	12°53	n.a.	T 3
F 4	19 52 40	26° 8'48	28°39	13° 1	18°40	26°24	28°53	14°29	19°48	6°10	7°35	0°R47	29°10	13° 0	n.a.	F 4
S 5	19 56 36	27° 7'30	10♋39	14°48	19°51	27° 5	29° 5	14°26	19°46	6°12	7°35	0°46	29° 7	13° 7	n.a.	S 5
S 6	20 0 33	28° 6'14	22°33	16°37	21° 2	27°46	29°18	14°24	19°44	6°14	7°34	0°45	29° 4	13°13	n.a.	S 6
M 7	20 4 29	29° 5'00	4♌24	18°27	22°13	28°27	29°30	14°21	19°42	6°16	7°33	0°41	29° 1	13°20	n.a.	M 7
T 8	20 8 26	0♌ 3'48	16°14	20°18	23°24	29° 7	29°42	14°19	19°40	6°19	7°32	0°37	28°58	13°27	n.a.	T 8
W 9	20 12 22	1° 2'38	28° 3	22° 9	24°35	29°48	29°54	14°16	19°37	6°21	7°32	0°32	28°55	13°33	n.a.	W 9
T 10	20 16 19	2° 1'30	9♍56	24° 1	25°47	0♍29	0♍ 7	14°13	19°35	6°23	7°31	0°26	28°51	13°40	n.a.	T 10
F 11	20 20 16	3° 0'24	21°53	25°53	26°58	1°11	0°19	14°10	19°33	6°25	7°30	0°21	28°48	13°47	n.a.	F 11
S 12	20 24 12	3°59'20	3♎58	27°44	28°10	1°52	0°31	14° 7	19°30	6°28	7°30	0°16	28°45	13°53	n.a.	S 12
S 13	20 28 9	4°58'18	16°14	29°35	29°21	2°33	0°44	14° 4	19°28	6°30	7°29	0°13	28°42	14° 0	n.a.	S 13
M14	20 32 5	5°57'18	28°46	1♌26	0♋33	3°14	0°56	14° 1	19°26	6°32	7°28	0°11	28°39	14° 7	n.a.	M14
T 15	20 36 2	6°56'20	11♏36	3°16	1°45	3°56	1° 9	13°57	19°23	6°34	7°28	0°D11	28°35	14°13	n.a.	T 15
W16	20 39 58	7°55'23	24°49	5° 6	2°57	4°37	1°21	13°54	19°21	6°36	7°27	0°12	28°32	14°20	n.a.	W16
T 17	20 43 55	8°54'29	8♐28	6°55	4° 9	5°18	1°34	13°50	19°19	6°39	7°27	0°13	28°29	14°27	n.a.	T 17
F 18	20 47 51	9°53'37	22°34	8°43	5°21	6° 0	1°47	13°47	19°16	6°41	7°26	0°14	28°26	14°33	n.a.	F 18
S 19	20 51 48	10°52'47	7♑ 6	10°30	6°34	6°42	1°59	13°43	19°14	6°43	7°26	0°R15	28°23	14°40	n.a.	S 19
S 20	20 55 45	11°51'58	22° 2	12°17	7°46	7°23	2°12	13°39	19°12	6°45	7°25	0°13	28°20	14°47	n.a.	S 20
M21	20 59 41	12°51'12	7♒13	14° 3	8°58	8° 5	2°25	13°36	19° 9	6°48	7°25	0° 9	28°16	14°54	n.a.	M21
T 22	21 3 38	13°50'28	22°32	15°48	10°11	8°47	2°38	13°32	19° 7	6°50	7°25	0° 4	28°13	15° 0	n.a.	T 22
W23	21 7 34	14°49'46	7♓46	17°32	11°23	9°28	2°51	13°28	19° 4	6°52	7°24	29♊57	28°10	15° 7	n.a.	W23
T 24	21 11 31	15°49'07	22°45	19°15	12°36	10°10	3° 3	13°24	19° 2	6°54	7°24	29°50	28° 7	15°14	n.a.	T 24
F 25	21 15 27	16°48'30	7♈21	20°58	13°49	10°52	3°16	13°20	18°59	6°57	7°24	29°44	28° 4	15°20	n.a.	F 25
S 26	21 19 24	17°47'55	21°30	22°40	15° 2	11°34	3°29	13°16	18°57	6°59	7°23	29°39	28° 1	15°27	n.a.	S 26
S 27	21 23 20	18°47'23	5♉ 9	24°21	16°15	12°16	3°42	13°11	18°55	7° 1	7°23	29°36	27°57	15°34	n.a.	S 27
M28	21 27 17	19°46'53	18°21	26° 1	17°28	12°59	3°55	13° 7	18°52	7° 3	7°23	29°D35	27°54	15°40	n.a.	M28
T 29	21 31 13	20°46'26	1♊ 7	27°40	18°41	13°41	4° 8	13° 3	18°50	7° 5	7°23	29°36	27°51	15°47	n.a.	T 29
W30	21 35 10	21°46'01	13°33	29°19	19°54	14°23	4°21	12°58	18°47	7° 7	7°22	29°37	27°48	15°54	n.a.	W30
T 31	21 39 7	22♌45'39	25♊44	0♍57	21♋ 7	15♍ 5	4♍34	12♓54	18♒45	7♌10	7♐22	29°R38	27♊45	16♌ 0	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21n51	15n19	3s19	24n43	1n 4	22n 4	0s59	14n22	0n45	13n31	1n19	8s42	2s45	15s54	0s50	20n14	1n10	24s25	2s27	23n53	23n53	20n43			n.a.
W 2	21 41	19 4	2 21	24 45	1 13	22 15	0 56	14 7	0 45	13 27	1 19	8 43	2 45	15 55	0 50	20 14	1 10	24 25	2 27	23 53	23 53	20 41			n.a.
T 3	21 30	21 54	1 18	24 44	1 20	22 25	0 53	13 53	0 44	13 23	1 19	8 45	2 46	15 56	0 50	20 13	1 10	24 25	2 28	23 53	23 53	20 40			n.a.
F 4	21 19	23 41	0 12	24 41	1 27	22 35	0 49	13 38	0 44	13 18	1 19	8 46	2 46	15 56	0 50	20 13	1 10	24 25	2 28	23 53	23 53	20 39			n.a.
S 5	21 8	24 21	0n54	24 35	1 33	22 44	0 46	13 23	0 43	13 14	1 19	8 47	2 46	15 57	0 50	20 12	1 10	24 25	2 28	23 53	23 53	20 37			n.a.
S 6	20 56	23 53	1 57	24 27	1 38	22 53	0 42	13 8	0 42	13 10	1 19	8 48	2 46	15 58	0 50	20 12	1 10	24 25	2 28	23 53	23 53	20 36			n.a.
M 7	20 44	22 20	2 54	24 16	1 42	23 1	0 39	12 53	0 42	13 5	1 18	8 49	2 47	15 58	0 50	20 11	1 10	24 24	2 28	23 53	23 53	20 34			n.a.
T 8	20 31	19 49	3 44	24 3	1 45	23 8	0 35	12 38	0 41	13 1	1 18	8 51	2 47	15 59	0 50	20 11	1 10	24 24	2 28	23 53	23 53	20 33			n.a.
W 9	20 18	16 29	4 23	23 48	1 47	23 15	0 32	12 23	0 40	12 56	1 18	8 52	2 47	16 0	0 50	20 10	1 10	24 24	2 28	23 53	23 53	20 32			n.a.
T 10	20 5	12 29	4 52	23 30	1 49	23 21	0 28	12 8	0 40	12 52	1 18	8 53	2 47	16 1	0 50	20 9	1 10	24 24	2 28	23 53	23 53	20 30			n.a.
F 11	19 51	7 59	5 8	23 10	1 50	23 26	0 25	11 52	0 39	12 47	1 18	8 55	2 48	16 1	0 50	20 9	1 10	24 24	2 28	23 53	23 53	20 29			n.a.
S 12	19 37	3 8	5 11	22 48	1 50	23 31	0 22	11 37	0 39	12 42	1 18	8 56	2 48	16 2	0 50	20 8	1 10	24 24	2 28	23 53	23 53	20 27			n.a.
S 13	19 23	1s54	5 0	22 25	1 50	23 35	0 18	11 21	0 38	12 38	1 18	8 58	2 48	16 3	0 50	20 8	1 10	24 24	2 28	23 53	23 53	20 26			n.a.
M14	19 8	6 59	4 34	21 59	1 49	23 39	0 15	11 5	0 37	12 33	1 18	8 59	2 48	16 4	0 50	20 7	1 10	24 24	2 28	23 53	23 53	20 25			n.a.
T 15	18 53	11 54	3 54	21 32	1 48	23 41	0 11	10 49	0 37	12 29	1 18	9 1	2 48	16 4	0 50	20 7	1 10	24 24	2 28	23 53	23 53	20 23			n.a.
W16	18 38	16 25	3 1	21 3	1 46	23 43	0 8	10 33	0 36	12 24	1 18	9 2	2 49	16 5	0 50	20 6	1 10	24 24	2 28	23 53	23 53	20 22			n.a.
T 17	18 22	20 14	1 56	20 33	1 43	23 45	0 5	10 17	0 35	12 19	1 18	9 4	2 49	16 6	0 50	20 5	1 10	24 24	2 28	23 53	23 53	20 20			n.a.
F 18	18 6	22 59	0 42	20 2	1 40	23 45	0 2	10 1	0 35	12 15	1 18	9 5	2 49	16 7	0 50	20 5	1 10	24 24	2 28	23 53	23 53	20 19			n.a.
S 19	17 50	24 19	0s37	19 29	1 37	23 45	0n 2	9 45	0 34	12 10	1 17	9 7	2 49	16 7	0 50	20 4	1 10	24 23	2 28	23 53	23 53	20 18			n.a.
S 20	17 33	23 57	1 55	18 56	1 33	23 44	0 5	9 28	0 33	12 5	1 17	9 9	2 50	16 8	0 50	20 4	1 10	24 23	2 28	23 53	23 53	20 16			n.a.
M21	17 16	21 49	3 7	18 21	1 29	23 43	0 8	9 12	0 33	12 0	1 17	9 10	2 50	16 9	0 50	20 3	1 10	24 23	2 28	23 53	23 53	20 15			n.a.
T 22	16 59	18 7	4 5	17 45	1 25	23 41	0 11	8 55	0 32	11 56	1 17	9 12	2 50	16 10	0 50	20 3	1 10	24 23	2 28	23 53	23 53	20 13			n.a.
W23	16 41	13 13	4 46	17 9	1 20	23 38	0 14	8 39	0 31	11 51	1 17	9 14	2 50	16 11	0 50	20 2	1 10	24 23	2 28	23 53	23 53	20 12			n.a.
T 24	16 24	7 36	5 6	16 31	1 15	23 34	0 17	8 22	0 31	11 46	1 17	9 15	2 50	16 11	0 50	20 2	1 10	24 23	2 28	23 53	23 53	20 10			n.a.
F 25	16 6	1 42	5 6	15 53	1 10	23 30	0 20	8 5	0 30	11 41	1 17	9 17	2 50	16 12	0 50	20 1	1 10	24 23	2 28	23 53	23 53	20 9			n.a.
S 26	15 47	4n 7	4 46	15 14	1 5	23 25	0 23	7 48	0 29	11 37	1 17	9 19	2 51	16 13	0 50	20 0	1 10	24 23	2 28	23 53	23 53	20 7			n.a.
S 27	15 28	9 33	4 11	14 35	0 59	23 19	0 26	7 32	0 29	11 32	1 17	9 21	2 51	16 14	0 50	20 0	1 10	24 23	2 28	23 53	23 52	20 6			n.a.
M28	15 10	14 21	3 24	13 55	0 54	23 12	0 29	7 15	0 28	11 27	1 17	9 23	2 51	16 14	0 50	19 59	1 10	24 23	2 28	23 53	23 52	20 4			n.a.
T 29	14 50	18 22	2 27	13 15	0 48	23 5	0 32	6 57	0 27	11 22	1 17	9 24	2 51	16 15	0 50	19 59	1 10	24 23	2 28	23 53	23 52	20 3			n.a.
W30	14 31	21 27	1 25	12 35	0 42	22 57	0 35	6 40	0 27	11 17	1 17	9 26	2 51	16 16	0 50	19 58	1 10	24 23	2 28	23 53	23 52	20 1			n.a.
T 31	14n11	23n28	0s21	11n54	0n35	22n49	0n38	6n23	0n26	11n12	1n17	9s28	2s51	16s17	0s50	19n58	1n10	24s23	2s28	23n53	23n52	20n 0			n.a.

Julian Day Number = 1106189.5, Delta T = 10h57m25s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'29, Lahiri = -27°11'29 Julian Calendar 1 Aug. 1685 BCE == Greg. Calendar 18 July 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

SEPTEMBER 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 43 3	23♌45'19	7♋44	2♍34	22♋21	15♍48	4♍47	12°R50	18°R42	7♌12	7°R22	29°R37	27♊41	16♌ 7	n.a.	F 1
S 2	21 47 0	24°45'02	19°37	4°11	23°34	16°30	5° 0	12♓45	18♒40	7°14	7♐22	29♊35	27°38	16°14	n.a.	S 2
S 3	21 50 56	25°44'47	1♌26	5°46	24°48	17°13	5°14	12°41	18°38	7°16	7°22	29°30	27°35	16°20	n.a.	S 3
M 4	21 54 53	26°44'34	13°15	7°22	26° 1	17°55	5°27	12°36	18°35	7°18	7°D22	29°23	27°32	16°27	n.a.	M 4
T 5	21 58 49	27°44'23	25° 5	8°56	27°15	18°38	5°40	12°31	18°33	7°20	7°22	29°13	27°29	16°34	n.a.	T 5
W 6	22 2 46	28°44'15	6♍59	10°30	28°28	19°21	5°53	12°27	18°30	7°23	7°22	29° 2	27°26	16°41	n.a.	W 6
T 7	22 6 42	29°44'08	18°58	12° 3	29°42	20° 3	6° 6	12°22	18°28	7°25	7°22	28°50	27°22	16°47	n.a.	T 7
F 8	22 10 39	0♍44'04	1♎ 2	13°36	0♌56	20°46	6°19	12°17	18°26	7°27	7°22	28°38	27°19	16°54	n.a.	F 8
S 9	22 14 35	1°44'01	13°14	15° 8	2°10	21°29	6°33	12°12	18°23	7°29	7°22	28°28	27°16	17° 1	n.a.	S 9
S 10	22 18 32	2°44'00	25°36	16°40	3°24	22°12	6°46	12° 8	18°21	7°31	7°23	28°19	27°13	17° 7	n.a.	S 10
M11	22 22 29	3°44'02	8♏10	18°10	4°38	22°55	6°59	12° 3	18°19	7°33	7°23	28°14	27°10	17°14	n.a.	M11
T 12	22 26 25	4°44'05	20°59	19°41	5°52	23°38	7°12	11°58	18°16	7°35	7°23	28°11	27° 6	17°21	n.a.	T 12
W13	22 30 22	5°44'10	4♐ 6	21°10	7° 6	24°21	7°25	11°53	18°14	7°37	7°23	28°D10	27° 3	17°27	n.a.	W13
T 14	22 34 18	6°44'16	17°34	22°39	8°20	25° 5	7°39	11°48	18°12	7°39	7°23	28°10	27° 0	17°34	n.a.	T 14
F 15	22 38 15	7°44'25	1♑27	24° 8	9°34	25°48	7°52	11°43	18°10	7°41	7°24	28°R10	26°57	17°41	n.a.	F 15
S 16	22 42 11	8°44'35	15°44	25°36	10°49	26°31	8° 5	11°38	18° 7	7°43	7°24	28° 9	26°54	17°47	n.a.	S 16
S 17	22 46 8	9°44'47	0♒25	27° 3	12° 3	27°14	8°18	11°33	18° 5	7°45	7°24	28° 6	26°51	17°54	n.a.	S 17
M18	22 50 4	10°45'01	15°26	28°30	13°17	27°58	8°32	11°28	18° 3	7°47	7°25	28° 0	26°47	18° 1	n.a.	M18
T 19	22 54 1	11°45'16	0♓38	29°55	14°32	28°41	8°45	11°24	18° 1	7°49	7°25	27°51	26°44	18° 8	n.a.	T 19
W20	22 57 57	12°45'33	15°51	1♎21	15°46	29°25	8°58	11°19	17°59	7°51	7°26	27°40	26°41	18°14	n.a.	W20
T 21	23 1 54	13°45'52	0♈54	2°45	17° 1	0♎ 8	9°11	11°14	17°56	7°53	7°26	27°29	26°38	18°21	n.a.	T 21
F 22	23 5 51	14°46'13	15°38	4° 9	18°15	0°52	9°24	11° 9	17°54	7°55	7°27	27°18	26°35	18°28	n.a.	F 22
S 23	23 9 47	15°46'36	29°56	5°32	19°30	1°36	9°38	11° 4	17°52	7°56	7°27	27°10	26°32	18°34	n.a.	S 23
S 24	23 13 44	16°47'02	13♉44	6°53	20°45	2°19	9°51	10°59	17°50	7°58	7°28	27° 3	26°28	18°41	n.a.	S 24
M25	23 17 40	17°47'29	27° 2	8°14	21°59	3° 3	10° 4	10°54	17°48	8° 0	7°28	27° 0	26°25	18°48	n.a.	M25
T 26	23 21 37	18°47'58	9♊52	9°34	23°14	3°47	10°17	10°49	17°46	8° 2	7°29	26°58	26°22	18°54	n.a.	T 26
W27	23 25 33	19°48'30	22°20	10°53	24°29	4°31	10°30	10°44	17°44	8° 4	7°30	26°58	26°19	19° 1	n.a.	W27
T 28	23 29 30	20°49'04	4♋30	12°10	25°44	5°15	10°44	10°40	17°42	8° 5	7°30	26°58	26°16	19° 8	n.a.	T 28
F 29	23 33 26	21°49'39	16°27	13°25	26°59	5°59	10°57	10°35	17°40	8° 7	7°31	26°57	26°12	19°15	n.a.	F 29
S 30	23 37 23	22♍50'17	28♋18	14♎40	28♌14	6♎43	11♍10	10♓30	17♒39	8♌ 9	7♐32	26♊53	26♊ 9	19♌21	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n51	24n23	0n43	11n12	0n29	22n40	0n40	6n 6	0n26	11n 7	1n17	9s30	2s52	16s18	0s50	19n57	1n10	24s23	2s28	23n53	23n52	19n58		n.a.
S 2	13 31	24 10	1 45	10 31	0 23	22 30	0 43	5 48	0 25	11 2	1 17	9 32	2 52	16 18	0 50	19 57	1 10	24 23	2 28	23 53	23 52	19 57		n.a.
S 3	13 11	22 51	2 42	9 49	0 16	22 19	0 45	5 31	0 24	10 57	1 17	9 34	2 52	16 19	0 50	19 56	1 10	24 23	2 28	23 53	23 52	19 55		n.a.
M 4	12 50	20 32	3 31	9 7	0 9	22 8	0 48	5 13	0 24	10 52	1 17	9 36	2 52	16 20	0 50	19 56	1 10	24 23	2 28	23 53	23 52	19 54		n.a.
T 5	12 29	17 21	4 12	8 25	0 3	21 56	0 50	4 56	0 23	10 47	1 17	9 38	2 52	16 21	0 50	19 55	1 10	24 23	2 28	23 53	23 52	19 52		n.a.
W 6	12 8	13 27	4 41	7 43	0s 4	21 43	0 53	4 38	0 22	10 42	1 17	9 39	2 52	16 21	0 50	19 54	1 10	24 23	2 28	23 53	23 52	19 51		n.a.
T 7	11 47	9 1	4 59	7 0	0 11	21 30	0 55	4 20	0 22	10 37	1 17	9 41	2 52	16 22	0 50	19 54	1 10	24 23	2 28	23 53	23 52	19 49		n.a.
F 8	11 25	4 12	5 3	6 18	0 18	21 16	0 58	4 3	0 21	10 32	1 17	9 43	2 52	16 23	0 50	19 53	1 10	24 23	2 28	23 53	23 52	19 48		n.a.
S 9	11 3	0s50	4 53	5 35	0 24	21 1	1 0	3 45	0 20	10 27	1 16	9 45	2 52	16 24	0 50	19 53	1 11	24 23	2 28	23 53	23 52	19 46		n.a.
S 10	10 42	5 54	4 30	4 53	0 31	20 46	1 2	3 27	0 20	10 22	1 16	9 47	2 52	16 24	0 50	19 52	1 11	24 23	2 28	23 53	23 52	19 44		n.a.
M11	10 19	10 49	3 53	4 11	0 38	20 30	1 4	3 9	0 19	10 17	1 16	9 49	2 53	16 25	0 50	19 52	1 11	24 23	2 28	23 53	23 52	19 43		n.a.
T 12	9 57	15 23	3 4	3 29	0 45	20 14	1 6	2 51	0 18	10 12	1 16	9 51	2 53	16 26	0 50	19 51	1 11	24 23	2 28	23 53	23 52	19 41		n.a.
W13	9 35	19 20	2 4	2 46	0 52	19 56	1 8	2 33	0 18	10 7	1 16	9 53	2 53	16 26	0 50	19 51	1 11	24 23	2 28	23 53	23 51	19 40		n.a.
T 14	9 12	22 22	0 56	2 5	0 58	19 39	1 10	2 15	0 17	10 2	1 16	9 55	2 53	16 27	0 50	19 50	1 11	24 24	2 28	23 53	23 51	19 38		n.a.
F 15	8 49	24 10	0s17	1 23	1 5	19 21	1 12	1 57	0 16	9 57	1 16	9 57	2 53	16 28	0 50	19 50	1 11	24 24	2 28	23 53	23 51	19 37		n.a.
S 16	8 27	24 28	1 32	0 41	1 12	19 2	1 14	1 39	0 16	9 52	1 16	9 59	2 53	16 28	0 50	19 49	1 11	24 24	2 28	23 53	23 51	19 35		n.a.
S 17	8 4	23 5	2 42	0 0	1 18	18 42	1 15	1 21	0 15	9 47	1 16	10 1	2 53	16 29	0 50	19 49	1 11	24 24	2 28	23 53	23 51	19 33		n.a.
M18	7 40	20 3	3 43	0s41	1 25	18 22	1 17	1 2	0 14	9 42	1 16	10 3	2 53	16 30	0 50	19 48	1 11	24 24	2 28	23 53	23 51	19 32		n.a.
T 19	7 17	15 37	4 28	1 21	1 31	18 2	1 18	0 44	0 13	9 37	1 16	10 5	2 53	16 31	0 50	19 48	1 11	24 24	2 28	23 52	23 51	19 30		n.a.
W20	6 54	10 12	4 55	2 2	1 37	17 41	1 20	0 26	0 13	9 32	1 16	10 7	2 53	16 31	0 50	19 47	1 11	24 24	2 28	23 52	23 51	19 29		n.a.
T 21	6 30	4 13	5 1	2 41	1 43	17 19	1 21	0 8	0 12	9 27	1 16	10 9	2 53	16 32	0 50	19 47	1 11	24 24	2 28	23 52	23 51	19 27		n.a.
F 22	6 6	1n53	4 46	3 20	1 49	16 57	1 23	0s11	0 11	9 22	1 16	10 11	2 53	16 32	0 50	19 47	1 11	24 24	2 29	23 52	23 51	19 25		n.a.
S 23	5 43	7 42	4 14	3 59	1 55	16 35	1 24	0 29	0 11	9 17	1 16	10 12	2 53	16 33	0 50	19 46	1 11	24 24	2 29	23 52	23 51	19 24		n.a.
S 24	5 19	12 58	3 28	4 37	2 0	16 12	1 25	0 47	0 10	9 12	1 16	10 14	2 53	16 34	0 50	19 46	1 11	24 24	2 29	23 51	23 51	19 22		n.a.
M25	4 55	17 25	2 31	5 15	2 6	15 48	1 26	1 6	0 9	9 7	1 16	10 16	2 53	16 34	0 50	19 45	1 11	24 25	2 29	23 51	23 50	19 20		n.a.
T 26	4 31	20 53	1 29	5 51	2 11	15 24	1 27	1 24	0 9	9 2	1 16	10 18	2 53	16 35	0 50	19 45	1 11	24 25	2 29	23 51	23 50	19 19		n.a.
W27	4 7	23 15	0 25	6 27	2 15	15 0	1 28	1 42	0 8	8 57	1 17	10 20	2 53	16 36	0 50	19 44	1 11	24 25	2 29	23 51	23 50	19 17		n.a.
T 28	3 42	24 29	0n40	7 2	2 20	14 35	1 29	2 1	0 7	8 52	1 17	10 22	2 53	16 36	0 50	19 44	1 11	24 25	2 29	23 51	23 50	19 15		n.a.
F 29	3 18	24 32	1 41	7 36	2 24	14 10	1 30	2 19	0 7	8 46	1 17	10 24	2 53	16 37	0 50	19 43	1 11	24 25	2 29	23 51	23 50	19 14		n.a.
S 30	2n54	23n28	2n37	8s 9	2s28	13n44	1n31	2s37	0n 6	8n41	1n17	10s25	2s53	16s37	0s50	19n43	1n11	24s25	2s29	23n51	23n50	19n12		n.a.

Julian Day Number = 1106220.5, Delta T = 10h57m23s
Ecliptic obliquity = 23°53'28, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'25, Lahiri = -27°11'25 Julian Calendar 1 Sept. 1685 BCE == Greg. Calendar 18 Aug. 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

OCTOBER 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 41 20	23♍50'56	10♌ 6	15♎52	29♌29	7♎27	11♍23	10°R25	17°R37	8♌11	7♐33	26°R47	26♊ 6	19♌28	n.a.	S 1
M 2	23 45 16	24°51'37	21°56	17° 2	0♍44	8°12	11°36	10♓21	17♒35	8°12	7°33	26♊38	26° 3	19°35	n.a.	M 2
T 3	23 49 13	25°52'20	3♍49	18°10	1°59	8°56	11°49	10°16	17°33	8°14	7°34	26°26	26° 0	19°41	n.a.	T 3
W 4	23 53 9	26°53'05	15°50	19°15	3°14	9°40	12° 2	10°11	17°31	8°16	7°35	26°12	25°57	19°48	n.a.	W 4
T 5	23 57 6	27°53'51	27°58	20°17	4°29	10°25	12°15	10° 7	17°30	8°17	7°36	25°57	25°53	19°55	n.a.	T 5
F 6	0 1 2	28°54'39	10♎15	21°16	5°44	11° 9	12°28	10° 2	17°28	8°19	7°37	25°43	25°50	20° 1	n.a.	F 6
S 7	0 4 59	29°55'28	22°41	22°11	6°59	11°53	12°41	9°58	17°26	8°20	7°38	25°30	25°47	20° 8	n.a.	S 7
S 8	0 8 55	0♎56'18	5♏16	23° 2	8°14	12°38	12°54	9°53	17°25	8°22	7°39	25°19	25°44	20°15	n.a.	S 8
M 9	0 12 52	1°57'10	18° 2	23°47	9°30	13°23	13° 7	9°49	17°23	8°23	7°40	25°12	25°41	20°21	n.a.	M 9
T 10	0 16 48	2°58'04	1♐ 0	24°28	10°45	14° 7	13°20	9°45	17°22	8°25	7°41	25° 7	25°37	20°28	n.a.	T 10
W11	0 20 45	3°58'58	14°11	25° 2	12° 0	14°52	13°33	9°40	17°20	8°26	7°42	25° 5	25°34	20°35	n.a.	W11
T 12	0 24 42	4°59'53	27°37	25°29	13°15	15°37	13°46	9°36	17°19	8°28	7°43	25° 5	25°31	20°42	n.a.	T 12
F 13	0 28 38	6° 0'50	11♑21	25°49	14°31	16°22	13°58	9°32	17°18	8°29	7°44	25° 5	25°28	20°48	n.a.	F 13
S 14	0 32 35	7° 1'48	25°24	26° 0	15°46	17° 6	14°11	9°28	17°16	8°30	7°45	25° 4	25°25	20°55	n.a.	S 14
S 15	0 36 31	8° 2'46	9♒46	26°R 1	17° 1	17°51	14°24	9°24	17°15	8°32	7°46	25° 1	25°22	21° 2	n.a.	S 15
M16	0 40 28	9° 3'45	24°24	25°53	18°17	18°36	14°36	9°20	17°14	8°33	7°47	24°55	25°18	21° 8	n.a.	M16
T 17	0 44 24	10° 4'45	9♓14	25°35	19°32	19°21	14°49	9°16	17°12	8°34	7°48	24°46	25°15	21°15	n.a.	T 17
W18	0 48 21	11° 5'47	24° 8	25° 5	20°47	20° 6	15° 2	9°12	17°11	8°36	7°50	24°36	25°12	21°22	n.a.	W18
T 19	0 52 17	12° 6'49	8♈57	24°24	22° 3	20°51	15°14	9° 9	17°10	8°37	7°51	24°24	25° 9	21°28	n.a.	T 19
F 20	0 56 14	13° 7'52	23°33	23°32	23°18	21°36	15°27	9° 5	17° 9	8°38	7°52	24°13	25° 6	21°35	n.a.	F 20
S 21	1 0 11	14° 8'56	7♉47	22°31	24°34	22°22	15°39	9° 1	17° 8	8°39	7°53	24° 4	25° 3	21°42	n.a.	S 21
S 22	1 4 7	15°10'02	21°37	21°21	25°49	23° 7	15°52	8°58	17° 7	8°40	7°55	23°57	24°59	21°49	n.a.	S 22
M23	1 8 4	16°11'09	4♊58	20° 4	27° 5	23°52	16° 4	8°55	17° 6	8°42	7°56	23°53	24°56	21°55	n.a.	M23
T 24	1 12 0	17°12'17	17°54	18°43	28°20	24°38	16°16	8°51	17° 5	8°43	7°57	23°51	24°53	22° 2	n.a.	T 24
W25	1 15 57	18°13'26	0♋26	17°20	29°36	25°23	16°28	8°48	17° 4	8°44	7°59	23°D51	24°50	22° 9	n.a.	W25
T 26	1 19 53	19°14'36	12°40	15°59	0♎51	26° 8	16°41	8°45	17° 4	8°45	8° 0	23°52	24°47	22°15	n.a.	T 26
F 27	1 23 50	20°15'47	24°40	14°41	2° 7	26°54	16°53	8°42	17° 3	8°46	8° 2	23°R52	24°43	22°22	n.a.	F 27
S 28	1 27 47	21°17'00	6♌32	13°29	3°22	27°39	17° 5	8°39	17° 2	8°47	8° 3	23°51	24°40	22°29	n.a.	S 28
S 29	1 31 43	22°18'13	18°21	12°26	4°38	28°25	17°17	8°36	17° 2	8°48	8° 4	23°47	24°37	22°35	n.a.	S 29
M30	1 35 40	23°19'27	0♍12	11°33	5°53	29°11	17°29	8°33	17° 1	8°48	8° 6	23°41	24°34	22°42	n.a.	M30
T 31	1 39 36	24♎20'42	12♍10	10♎50	7♎ 9	29♎56	17♍41	8♓31	17♒ 0	8♌49	8♐ 7	23♊32	24♊31	22♌49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	2n29	21n21	3n27	8s40	2s31	13n18	1n32	2s56	0n 5	8n36	1n17	10s27	2s52	16s38	0s50	19n43	1n11	24s25	2s29	23n51	23n50	19n10			n.a.
M 2	2 5	18 21	4 7	9 11	2 34	12 51	1 32	3 14	0 5	8 31	1 17	10 29	2 52	16 38	0 50	19 42	1 11	24 25	2 29	23 51	23 50	19 9			n.a.
T 3	1 40	14 34	4 37	9 39	2 37	12 25	1 33	3 33	0 4	8 26	1 17	10 31	2 52	16 39	0 50	19 42	1 11	24 26	2 29	23 51	23 50	19 7			n.a.
W 4	1 16	10 12	4 54	10 7	2 39	11 57	1 33	3 51	0 3	8 21	1 17	10 32	2 52	16 39	0 49	19 41	1 11	24 26	2 29	23 50	23 50	19 5			n.a.
T 5	0 51	5 23	4 59	10 32	2 40	11 30	1 34	4 9	0 3	8 16	1 17	10 34	2 52	16 40	0 49	19 41	1 11	24 26	2 29	23 50	23 50	19 4			n.a.
F 6	0 26	0 18	4 50	10 55	2 40	11 2	1 34	4 28	0 2	8 11	1 17	10 36	2 52	16 40	0 49	19 41	1 11	24 26	2 29	23 49	23 49	19 2			n.a.
S 7	0 2	4s52	4 27	11 16	2 40	10 34	1 34	4 46	0 1	8 6	1 17	10 37	2 52	16 41	0 49	19 40	1 11	24 26	2 29	23 49	23 49	19 0			n.a.
S 8	0s23	9 54	3 51	11 34	2 39	10 5	1 34	5 4	0 1	8 1	1 17	10 39	2 52	16 41	0 49	19 40	1 12	24 26	2 29	23 48	23 49	18 59			n.a.
M 9	0 47	14 37	3 2	11 50	2 37	9 37	1 35	5 23	0s 0	7 56	1 17	10 40	2 52	16 42	0 49	19 39	1 12	24 27	2 29	23 48	23 49	18 57			n.a.
T 10	1 12	18 44	2 4	12 3	2 35	9 8	1 35	5 41	0 1	7 51	1 17	10 42	2 52	16 42	0 49	19 39	1 12	24 27	2 29	23 48	23 49	18 55			n.a.
W11	1 37	21 59	0 57	12 12	2 31	8 38	1 35	5 59	0 1	7 46	1 17	10 44	2 51	16 43	0 49	19 39	1 12	24 27	2 29	23 48	23 49	18 53			n.a.
T 12	2 1	24 6	0s13	12 17	2 26	8 9	1 34	6 17	0 2	7 41	1 17	10 45	2 51	16 43	0 49	19 38	1 12	24 27	2 29	23 48	23 49	18 52			n.a.
F 13	2 26	24 48	1 25	12 18	2 19	7 39	1 34	6 36	0 3	7 36	1 17	10 46	2 51	16 43	0 49	19 38	1 12	24 27	2 29	23 48	23 49	18 50			n.a.
S 14	2 50	23 58	2 33	12 15	2 11	7 9	1 34	6 54	0 3	7 31	1 17	10 48	2 51	16 44	0 49	19 38	1 12	24 28	2 29	23 48	23 49	18 48			n.a.
S 15	3 15	21 33	3 33	12 7	2 2	6 39	1 34	7 12	0 4	7 26	1 17	10 49	2 51	16 44	0 49	19 37	1 12	24 28	2 29	23 48	23 48	18 46			n.a.
M16	3 39	17 42	4 20	11 54	1 51	6 9	1 33	7 30	0 5	7 21	1 17	10 51	2 51	16 45	0 49	19 37	1 12	24 28	2 29	23 47	23 48	18 45			n.a.
T 17	4 4	12 43	4 50	11 35	1 38	5 38	1 33	7 48	0 5	7 17	1 17	10 52	2 51	16 45	0 49	19 37	1 12	24 28	2 29	23 47	23 48	18 43			n.a.
W18	4 28	6 58	5 1	11 11	1 24	5 7	1 32	8 6	0 6	7 12	1 18	10 53	2 50	16 45	0 49	19 37	1 12	24 29	2 29	23 47	23 48	18 41			n.a.
T 19	4 53	0 51	4 52	10 40	1 8	4 37	1 32	8 24	0 7	7 7	1 18	10 55	2 50	16 46	0 49	19 36	1 12	24 29	2 29	23 46	23 48	18 39			n.a.
F 20	5 17	5n15	4 23	10 5	0 50	4 6	1 31	8 42	0 8	7 2	1 18	10 56	2 50	16 46	0 49	19 36	1 12	24 29	2 29	23 46	23 48	18 38			n.a.
S 21	5 41	10 56	3 39	9 24	0 31	3 34	1 30	8 59	0 8	6 57	1 18	10 57	2 50	16 46	0 49	19 36	1 12	24 29	2 29	23 45	23 48	18 36			n.a.
S 22	6 5	15 54	2 42	8 39	0 11	3 3	1 29	9 17	0 9	6 52	1 18	10 58	2 50	16 46	0 49	19 35	1 12	24 30	2 29	23 45	23 48	18 34			n.a.
M23	6 29	19 55	1 39	7 51	0n 9	2 32	1 28	9 35	0 10	6 47	1 18	10 59	2 50	16 47	0 49	19 35	1 12	24 30	2 29	23 45	23 48	18 32			n.a.
T 24	6 53	22 48	0 32	7 1	0 30	2 1	1 28	9 52	0 10	6 43	1 18	11 0	2 49	16 47	0 49	19 35	1 12	24 30	2 29	23 45	23 47	18 30			n.a.
W25	7 17	24 28	0n35	6 10	0 50	1 29	1 27	10 10	0 11	6 38	1 18	11 1	2 49	16 47	0 49	19 35	1 12	24 30	2 29	23 45	23 47	18 29			n.a.
T 26	7 40	24 55	1 39	5 20	1 10	0 57	1 25	10 27	0 12	6 33	1 18	11 2	2 49	16 47	0 49	19 35	1 12	24 31	2 29	23 45	23 47	18 27			n.a.
F 27	8 4	24 10	2 37	4 33	1 28	0 26	1 24	10 45	0 12	6 28	1 18	11 3	2 49	16 47	0 49	19 34	1 12	24 31	2 29	23 45	23 47	18 25			n.a.
S 28	8 27	22 20	3 27	3 49	1 44	0s 6	1 23	11 2	0 13	6 24	1 18	11 4	2 48	16 48	0 49	19 34	1 12	24 31	2 29	23 45	23 47	18 23			n.a.
S 29	8 50	19 32	4 8	3 11	1 59	0 37	1 22	11 19	0 14	6 19	1 19	11 5	2 48	16 48	0 49	19 34	1 13	24 31	2 29	23 45	23 47	18 21			n.a.
M30	9 14	15 57	4 39	2 38	2 12	1 9	1 21	11 36	0 14	6 14	1 19	11 6	2 48	16 48	0 49	19 34	1 13	24 32	2 29	23 44	23 47	18 20			n.a.
T 31	9s37	11n42	4n58	2s12	2n22	1s41	1n19	11s54	0s15	6n10	1n19	11s 7	2s48	16s48	0s49	19n34	1n13	24s32	2s29	23n44	23n46	18n18			n.a.

Julian Day Number = 1106250.5, Delta T = 10h57m21s
Ecliptic obliquity = 23°53'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'21, Lahiri = -27°11'21 Julian Calendar 1 Oct. 1685 BCE == Greg. Calendar 17 Sept. 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

NOVEMBER 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 43 33	25♎21'58	24♍16	10°R18	8♎24	0♏42	17♍53	8°R28	17°R 0	8♌50	8♐ 9	23°R22	24♊28	22♌56	n.a.	W 1
T 2	1 47 29	26°23'15	6♎34	9♎58	9°40	1°28	18° 4	8♓26	17♒ 0	8°51	8°10	23♊11	24°24	23° 2	n.a.	T 2
F 3	1 51 26	27°24'32	19° 4	9°D49	10°55	2°13	18°16	8°23	16°59	8°52	8°12	22°59	24°21	23° 9	n.a.	F 3
S 4	1 55 22	28°25'50	1♏47	9°50	12°11	2°59	18°28	8°21	16°59	8°52	8°14	22°49	24°18	23°16	n.a.	S 4
S 5	1 59 19	29°27'08	14°43	10° 0	13°26	3°45	18°39	8°19	16°59	8°53	8°15	22°41	24°15	23°22	n.a.	S 5
M 6	2 3 16	0♏28'27	27°50	10°19	14°42	4°31	18°51	8°17	16°58	8°54	8°17	22°36	24°12	23°29	n.a.	M 6
T 7	2 7 12	1°29'46	11♐ 8	10°46	15°57	5°17	19° 2	8°15	16°58	8°54	8°18	22°33	24° 9	23°36	n.a.	T 7
W 8	2 11 9	2°31'05	24°36	11°21	17°13	6° 3	19°14	8°13	16°58	8°55	8°20	22°D32	24° 5	23°43	n.a.	W 8
T 9	2 15 5	3°32'24	8♑14	12° 1	18°29	6°49	19°25	8°11	16°58	8°56	8°22	22°33	24° 2	23°49	n.a.	T 9
F 10	2 19 2	4°33'44	22° 3	12°48	19°44	7°35	19°36	8°10	16°D58	8°56	8°23	22°34	23°59	23°56	n.a.	F 10
S 11	2 22 58	5°35'03	6♒ 3	13°39	21° 0	8°21	19°47	8° 8	16°58	8°57	8°25	22°R35	23°56	24° 3	n.a.	S 11
S 12	2 26 55	6°36'22	20°12	14°35	22°15	9° 7	19°58	8° 7	16°58	8°57	8°27	22°34	23°53	24° 9	n.a.	S 12
M13	2 30 52	7°37'41	4♓30	15°35	23°31	9°54	20° 9	8° 5	16°58	8°57	8°28	22°31	23°49	24°16	n.a.	M13
T 14	2 34 48	8°38'59	18°54	16°38	24°46	10°40	20°20	8° 4	16°58	8°58	8°30	22°26	23°46	24°23	n.a.	T 14
W15	2 38 45	9°40'17	3♈19	17°44	26° 2	11°26	20°31	8° 3	16°59	8°58	8°32	22°20	23°43	24°29	n.a.	W15
T 16	2 42 41	10°41'35	17°40	18°53	27°17	12°12	20°41	8° 2	16°59	8°59	8°34	22°13	23°40	24°36	n.a.	T 16
F 17	2 46 38	11°42'53	1♉51	20° 5	28°33	12°59	20°52	8° 1	16°59	8°59	8°35	22° 6	23°37	24°43	n.a.	F 17
S 18	2 50 34	12°44'11	15°47	21°18	29°48	13°45	21° 2	8° 1	17° 0	8°59	8°37	22° 0	23°34	24°50	n.a.	S 18
S 19	2 54 31	13°45'29	29°24	22°34	1♏ 4	14°31	21°13	8° 0	17° 0	8°59	8°39	21°56	23°30	24°56	n.a.	S 19
M20	2 58 27	14°46'47	12♊40	23°51	2°19	15°18	21°23	8° 0	17° 0	8°59	8°41	21°54	23°27	25° 3	n.a.	M20
T 21	3 2 24	15°48'05	25°34	25° 9	3°35	16° 4	21°33	7°59	17° 1	9° 0	8°43	21°D54	23°24	25°10	n.a.	T 21
W22	3 6 21	16°49'23	8♋ 8	26°29	4°50	16°51	21°44	7°59	17° 2	9° 0	8°45	21°55	23°21	25°16	n.a.	W22
T 23	3 10 17	17°50'40	20°24	27°50	6° 6	17°37	21°54	7°59	17° 2	9° 0	8°46	21°57	23°18	25°23	n.a.	T 23
F 24	3 14 14	18°51'58	2♌28	29°12	7°21	18°24	22° 4	7°D59	17° 3	9° 0	8°48	21°58	23°14	25°30	n.a.	F 24
S 25	3 18 10	19°53'16	14°22	0♏36	8°37	19°10	22°13	7°59	17° 4	9°R 0	8°50	21°59	23°11	25°37	n.a.	S 25
S 26	3 22 7	20°54'33	26°13	2° 0	9°52	19°57	22°23	7°59	17° 5	9° 0	8°52	21°R59	23° 8	25°43	n.a.	S 26
M27	3 26 3	21°55'50	8♍ 6	3°25	11° 7	20°44	22°33	7°59	17° 5	9° 0	8°54	21°58	23° 5	25°50	n.a.	M27
T 28	3 30 0	22°57'07	20° 5	4°50	12°23	21°30	22°42	8° 0	17° 6	9° 0	8°56	21°55	23° 2	25°57	n.a.	T 28
W29	3 33 57	23°58'23	2♎14	6°17	13°38	22°17	22°52	8° 0	17° 7	9° 0	8°58	21°51	22°59	26° 3	n.a.	W29
T 30	3 37 53	24♏59'40	14♎37	7♏44	14♏54	23♏ 4	23♍ 1	8♓ 1	17♒ 8	8♌59	8♐59	21♊47	22♊55	26♌10	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s59	6n57	5n 4	1s51	2n30	2s12	1n18	12s10	0s16	6n 5	1n19	11s 8	2s48	16s48	0s49	19n33	1n13	24s32	2s29	23n43	23n46	18n16		n.a.
T 2	10 22	1 52	4 56	1 37	2 37	2 44	1 16	12 27	0 16	6 1	1 19	11 8	2 47	16 48	0 49	19 33	1 13	24 32	2 29	23 43	23 46	18 14		n.a.
F 3	10 45	3s24	4 34	1 30	2 41	3 15	1 15	12 44	0 17	5 56	1 19	11 9	2 47	16 48	0 48	19 33	1 13	24 33	2 29	23 42	23 46	18 12		n.a.
S 4	11 7	8 37	3 57	1 27	2 44	3 47	1 13	13 1	0 18	5 51	1 19	11 10	2 47	16 48	0 48	19 33	1 13	24 33	2 30	23 42	23 46	18 10		n.a.
S 5	11 29	13 33	3 8	1 30	2 46	4 18	1 12	13 17	0 18	5 47	1 19	11 10	2 47	16 49	0 48	19 33	1 13	24 33	2 30	23 41	23 46	18 8		n.a.
M 6	11 51	17 58	2 9	1 38	2 46	4 49	1 10	13 34	0 19	5 42	1 19	11 11	2 46	16 49	0 48	19 33	1 13	24 34	2 30	23 41	23 46	18 7		n.a.
T 7	12 13	21 32	1 1	1 50	2 44	5 21	1 8	13 50	0 20	5 38	1 20	11 11	2 46	16 49	0 48	19 33	1 13	24 34	2 30	23 41	23 46	18 5		n.a.
W 8	12 34	23 58	0s11	2 5	2 42	5 52	1 7	14 6	0 20	5 34	1 20	11 12	2 46	16 49	0 48	19 32	1 13	24 34	2 30	23 41	23 45	18 3		n.a.
T 9	12 56	25 1	1 24	2 24	2 39	6 23	1 5	14 22	0 21	5 29	1 20	11 12	2 46	16 49	0 48	19 32	1 13	24 35	2 30	23 41	23 45	18 1		n.a.
F 10	13 17	24 33	2 32	2 46	2 35	6 54	1 3	14 38	0 21	5 25	1 20	11 13	2 45	16 49	0 48	19 32	1 13	24 35	2 30	23 41	23 45	17 59		n.a.
S 11	13 38	22 33	3 33	3 11	2 31	7 24	1 1	14 54	0 22	5 21	1 20	11 13	2 45	16 48	0 48	19 32	1 13	24 35	2 30	23 41	23 45	17 57		n.a.
S 12	13 59	19 8	4 21	3 37	2 26	7 55	0 59	15 10	0 23	5 16	1 20	11 13	2 45	16 48	0 48	19 32	1 13	24 36	2 30	23 41	23 45	17 55		n.a.
M13	14 19	14 35	4 54	4 6	2 20	8 25	0 57	15 26	0 23	5 12	1 20	11 14	2 45	16 48	0 48	19 32	1 13	24 36	2 30	23 41	23 45	17 53		n.a.
T 14	14 39	9 11	5 8	4 36	2 14	8 55	0 55	15 41	0 24	5 8	1 21	11 14	2 44	16 48	0 48	19 32	1 13	24 36	2 30	23 40	23 44	17 52		n.a.
W15	14 59	3 17	5 3	5 8	2 8	9 25	0 53	15 56	0 25	5 4	1 21	11 14	2 44	16 48	0 48	19 32	1 13	24 37	2 30	23 40	23 44	17 50		n.a.
T 16	15 19	2n46	4 39	5 40	2 1	9 54	0 51	16 11	0 25	4 59	1 21	11 14	2 44	16 48	0 48	19 32	1 13	24 37	2 30	23 39	23 44	17 48		n.a.
F 17	15 38	8 38	3 58	6 14	1 54	10 24	0 49	16 26	0 26	4 55	1 21	11 14	2 43	16 48	0 48	19 32	1 13	24 37	2 30	23 39	23 44	17 46		n.a.
S 18	15 57	13 57	3 3	6 49	1 47	10 53	0 47	16 41	0 27	4 51	1 21	11 14	2 43	16 48	0 48	19 32	1 14	24 38	2 30	23 39	23 44	17 44		n.a.
S 19	16 16	18 28	1 59	7 24	1 40	11 22	0 45	16 56	0 27	4 47	1 21	11 14	2 43	16 48	0 48	19 32	1 14	24 38	2 30	23 38	23 44	17 42		n.a.
M20	16 34	21 55	0 50	8 0	1 33	11 51	0 43	17 10	0 28	4 43	1 21	11 14	2 43	16 47	0 48	19 32	1 14	24 38	2 30	23 38	23 44	17 40		n.a.
T 21	16 53	24 9	0n20	8 36	1 25	12 19	0 40	17 25	0 29	4 39	1 22	11 14	2 42	16 47	0 48	19 32	1 14	24 39	2 30	23 38	23 43	17 38		n.a.
W22	17 11	25 5	1 27	9 12	1 18	12 47	0 38	17 39	0 29	4 35	1 22	11 14	2 42	16 47	0 48	19 32	1 14	24 39	2 30	23 38	23 43	17 36		n.a.
T 23	17 28	24 46	2 29	9 49	1 10	13 14	0 36	17 53	0 30	4 31	1 22	11 14	2 42	16 47	0 48	19 32	1 14	24 39	2 30	23 38	23 43	17 34		n.a.
F 24	17 46	23 17	3 23	10 26	1 2	13 42	0 34	18 7	0 30	4 28	1 22	11 13	2 42	16 46	0 48	19 32	1 14	24 40	2 30	23 39	23 43	17 32		n.a.
S 25	18 3	20 46	4 8	11 2	0 55	14 9	0 31	18 21	0 31	4 24	1 22	11 13	2 41	16 46	0 48	19 32	1 14	24 40	2 31	23 39	23 43	17 30		n.a.
S 26	18 19	17 25	4 42	11 39	0 47	14 35	0 29	18 34	0 32	4 20	1 22	11 13	2 41	16 46	0 48	19 32	1 14	24 40	2 31	23 39	23 43	17 28		n.a.
M27	18 36	13 22	5 4	12 16	0 40	15 2	0 27	18 47	0 32	4 16	1 23	11 12	2 41	16 46	0 48	19 32	1 14	24 41	2 31	23 39	23 42	17 26		n.a.
T 28	18 52	8 46	5 13	12 52	0 32	15 28	0 24	19 1	0 33	4 13	1 23	11 12	2 40	16 45	0 47	19 32	1 14	24 41	2 31	23 38	23 42	17 24		n.a.
W29	19 7	3 47	5 8	13 29	0 25	15 53	0 22	19 13	0 33	4 9	1 23	11 12	2 40	16 45	0 47	19 32	1 14	24 41	2 31	23 38	23 42	17 22		n.a.
T 30	19s22	1s27	4n49	14s 5	0n17	16s18	0n19	19s26	0s34	4n 6	1n23	11s11	2s40	16s45	0s47	19n32	1n14	24s42	2s31	23n38	23n42	17n20		n.a.

Julian Day Number = 1106281.5, Delta T = 10h57m19s
Ecliptic obliquity = 23°53'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'17, Lahiri = -27°11'16 Julian Calendar 1 Nov. 1685 BCE == Greg. Calendar 18 Oct. 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1685 BCE
geocentric

DECEMBER 1685 BCE (-1684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 41 50	26♏ 0'55	27♎17	9♏12	16♏ 9	23♏51	23♍10	8♓ 2	17♒ 9	8°R59	9♐ 1	21°R42	22♊52	26♌17	n.a.	F 1
S 2	3 45 46	27° 2'11	10♏14	10°40	17°24	24°37	23°19	8° 3	17°10	8♌59	9° 3	21♊38	22°49	26°23	n.a.	S 2
S 3	3 49 43	28° 3'26	23°28	12° 9	18°40	25°24	23°28	8° 3	17°12	8°59	9° 5	21°35	22°46	26°30	n.a.	S 3
M 4	3 53 39	29° 4'40	6♐59	13°39	19°55	26°11	23°37	8° 5	17°13	8°58	9° 7	21°33	22°43	26°37	n.a.	M 4
T 5	3 57 36	0♐ 5'53	20°43	15° 9	21°11	26°58	23°45	8° 6	17°14	8°58	9° 9	21°D32	22°40	26°44	n.a.	T 5
W 6	4 1 32	1° 7'06	4♑39	16°39	22°26	27°45	23°54	8° 7	17°15	8°58	9°11	21°33	22°36	26°50	n.a.	W 6
T 7	4 5 29	2° 8'17	18°42	18°11	23°41	28°32	24° 2	8° 9	17°17	8°57	9°13	21°34	22°33	26°57	n.a.	T 7
F 8	4 9 26	3° 9'28	2♒51	19°43	24°57	29°19	24°11	8°10	17°18	8°57	9°15	21°35	22°30	27° 4	n.a.	F 8
S 9	4 13 22	4°10'37	17° 3	21°15	26°12	0♐ 5	24°19	8°12	17°19	8°56	9°17	21°37	22°27	27°10	n.a.	S 9
S 10	4 17 19	5°11'45	1♓14	22°48	27°27	0°52	24°27	8°14	17°21	8°56	9°19	21°R37	22°24	27°17	n.a.	S 10
M11	4 21 15	6°12'51	15°24	24°22	28°43	1°39	24°35	8°16	17°22	8°55	9°21	21°37	22°20	27°24	n.a.	M11
T 12	4 25 12	7°13'57	29°30	25°56	29°58	2°26	24°43	8°18	17°24	8°55	9°23	21°36	22°17	27°31	n.a.	T 12
W13	4 29 8	8°15'00	13♈29	27°30	1♐13	3°13	24°50	8°20	17°26	8°54	9°25	21°35	22°14	27°37	n.a.	W13
T 14	4 33 5	9°16'03	27°21	29° 6	2°28	4° 0	24°58	8°22	17°27	8°54	9°27	21°33	22°11	27°44	n.a.	T 14
F 15	4 37 2	10°17'04	11♉ 2	0♐42	3°44	4°47	25° 5	8°24	17°29	8°53	9°29	21°31	22° 8	27°51	n.a.	F 15
S 16	4 40 58	11°18'04	24°31	2°18	4°59	5°34	25°13	8°27	17°31	8°52	9°31	21°30	22° 5	27°57	n.a.	S 16
S 17	4 44 55	12°19'03	7♊45	3°56	6°14	6°22	25°20	8°29	17°33	8°52	9°32	21°29	22° 1	28° 4	n.a.	S 17
M18	4 48 51	13°20'00	20°44	5°33	7°29	7° 9	25°27	8°32	17°35	8°51	9°34	21°D29	21°58	28°11	n.a.	M18
T 19	4 52 48	14°20'56	3♋27	7°12	8°44	7°56	25°33	8°35	17°36	8°50	9°36	21°29	21°55	28°18	n.a.	T 19
W20	4 56 44	15°21'51	15°55	8°51	9°59	8°43	25°40	8°37	17°38	8°49	9°38	21°30	21°52	28°24	n.a.	W20
T 21	5 0 41	16°22'45	28°10	10°31	11°15	9°30	25°47	8°40	17°40	8°48	9°40	21°30	21°49	28°31	n.a.	T 21
F 22	5 4 37	17°23'38	10♌13	12°12	12°30	10°17	25°53	8°43	17°42	8°48	9°42	21°31	21°46	28°38	n.a.	F 22
S 23	5 8 34	18°24'29	22° 9	13°53	13°45	11° 4	25°59	8°47	17°44	8°47	9°44	21°31	21°42	28°44	n.a.	S 23
S 24	5 12 31	19°25'19	4♍ 1	15°36	15° 0	11°51	26° 5	8°50	17°47	8°46	9°46	21°32	21°39	28°51	n.a.	S 24
M25	5 16 27	20°26'08	15°54	17°19	16°15	12°39	26°11	8°53	17°49	8°45	9°48	21°32	21°36	28°58	n.a.	M25
T 26	5 20 24	21°26'56	27°52	19° 2	17°30	13°26	26°17	8°57	17°51	8°44	9°50	21°32	21°33	29° 5	n.a.	T 26
W27	5 24 20	22°27'42	10♎ 0	20°47	18°45	14°13	26°22	9° 0	17°53	8°43	9°52	21°32	21°30	29°11	n.a.	W27
T 28	5 28 17	23°28'28	22°23	22°32	20° 0	15° 0	26°28	9° 4	17°55	8°42	9°54	21°32	21°26	29°18	n.a.	T 28
F 29	5 32 13	24°29'11	5♏ 4	24°18	21°15	15°47	26°33	9° 8	17°58	8°41	9°56	21°32	21°23	29°25	n.a.	F 29
S 30	5 36 10	25°29'54	18° 6	26° 5	22°30	16°34	26°38	9°12	18° 0	8°40	9°58	21°32	21°20	29°31	n.a.	S 30
S 31	5 40 7	26♐30'35	1♐31	27♐53	23♐46	17♐22	26♍43	9♓16	18♒ 2	8♌39	9♐59	21♊33	21♊17	29♌38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s37	6s44	4n15	14s40	0n10	16s43	0n17	19s39	0s35	4n 2	1n23	11s10	2s40	16s44	0s47	19n32	1n14	24s42	2s31	23n38	23n42	17n18		n.a.
S 2	19 52	11 53	3 28	15 16	0 3	17 7	0 15	19 51	0 35	3 59	1 24	11 10	2 39	16 44	0 47	19 33	1 14	24 43	2 31	23 37	23 42	17 16		n.a.
S 3	20 6	16 36	2 28	15 50	0s 4	17 30	0 12	20 3	0 36	3 55	1 24	11 9	2 39	16 43	0 47	19 33	1 14	24 43	2 31	23 37	23 41	17 14		n.a.
M 4	20 20	20 35	1 19	16 25	0 11	17 54	0 10	20 15	0 36	3 52	1 24	11 9	2 39	16 43	0 47	19 33	1 14	24 43	2 31	23 37	23 41	17 12		n.a.
T 5	20 33	23 29	0 5	16 58	0 18	18 16	0 8	20 27	0 37	3 48	1 24	11 8	2 38	16 43	0 47	19 33	1 14	24 44	2 31	23 37	23 41	17 10		n.a.
W 6	20 46	25 0	1s12	17 32	0 25	18 39	0 5	20 38	0 38	3 45	1 24	11 7	2 38	16 42	0 47	19 33	1 14	24 44	2 31	23 37	23 41	17 8		n.a.
T 7	20 59	24 56	2 24	18 4	0 32	19 0	0 3	20 50	0 38	3 42	1 25	11 6	2 38	16 42	0 47	19 33	1 15	24 44	2 31	23 37	23 41	17 6		n.a.
F 8	21 11	23 16	3 29	18 36	0 38	19 21	0 0	21 1	0 39	3 39	1 25	11 5	2 38	16 41	0 47	19 33	1 15	24 45	2 31	23 37	23 40	17 4		n.a.
S 9	21 23	20 9	4 20	19 7	0 44	19 42	0s 2	21 12	0 39	3 36	1 25	11 4	2 37	16 41	0 47	19 34	1 15	24 45	2 32	23 37	23 40	17 2		n.a.
S 10	21 34	15 50	4 56	19 38	0 50	20 2	0 4	21 22	0 40	3 33	1 25	11 3	2 37	16 40	0 47	19 34	1 15	24 46	2 32	23 37	23 40	17 0		n.a.
M11	21 45	10 40	5 14	20 8	0 56	20 22	0 7	21 33	0 41	3 30	1 25	11 2	2 37	16 40	0 47	19 34	1 15	24 46	2 32	23 37	23 40	16 58		n.a.
T 12	21 56	4 58	5 13	20 36	1 2	20 40	0 9	21 43	0 41	3 27	1 26	11 1	2 36	16 39	0 47	19 34	1 15	24 46	2 32	23 37	23 40	16 56		n.a.
W13	22 6	0n56	4 53	21 4	1 8	20 59	0 12	21 53	0 42	3 24	1 26	11 0	2 36	16 39	0 47	19 34	1 15	24 47	2 32	23 37	23 40	16 54		n.a.
T 14	22 15	6 44	4 17	21 31	1 13	21 16	0 14	22 2	0 42	3 21	1 26	10 59	2 36	16 38	0 47	19 35	1 15	24 47	2 32	23 37	23 39	16 52		n.a.
F 15	22 25	12 10	3 26	21 57	1 18	21 34	0 16	22 12	0 43	3 18	1 26	10 58	2 36	16 38	0 47	19 35	1 15	24 48	2 32	23 37	23 39	16 50		n.a.
S 16	22 33	16 56	2 24	22 22	1 23	21 50	0 19	22 21	0 43	3 15	1 26	10 57	2 35	16 37	0 47	19 35	1 15	24 48	2 32	23 37	23 39	16 48		n.a.
S 17	22 42	20 47	1 15	22 46	1 28	22 6	0 21	22 30	0 44	3 13	1 27	10 56	2 35	16 36	0 47	19 35	1 15	24 48	2 32	23 37	23 39	16 46		n.a.
M18	22 50	23 29	0 4	23 9	1 32	22 21	0 23	22 39	0 44	3 10	1 27	10 54	2 35	16 36	0 47	19 35	1 15	24 49	2 32	23 37	23 39	16 44		n.a.
T 19	22 57	24 57	1n 6	23 30	1 36	22 36	0 25	22 47	0 45	3 8	1 27	10 53	2 34	16 35	0 47	19 36	1 15	24 49	2 32	23 37	23 38	16 42		n.a.
W20	23 4	25 6	2 11	23 50	1 40	22 49	0 28	22 55	0 46	3 5	1 27	10 52	2 34	16 34	0 47	19 36	1 15	24 49	2 32	23 37	23 38	16 40		n.a.
T 21	23 11	24 1	3 10	24 9	1 43	23 3	0 30	23 3	0 46	3 3	1 28	10 50	2 34	16 34	0 47	19 36	1 15	24 50	2 33	23 37	23 38	16 38		n.a.
F 22	23 17	21 50	3 59	24 27	1 47	23 15	0 32	23 11	0 47	3 0	1 28	10 49	2 34	16 33	0 47	19 37	1 15	24 50	2 33	23 37	23 38	16 36		n.a.
S 23	23 22	18 44	4 37	24 43	1 49	23 27	0 34	23 18	0 47	2 58	1 28	10 47	2 33	16 32	0 47	19 37	1 15	24 51	2 33	23 37	23 38	16 33		n.a.
S 24	23 28	14 54	5 3	24 57	1 52	23 38	0 36	23 25	0 48	2 56	1 28	10 46	2 33	16 32	0 47	19 37	1 15	24 51	2 33	23 37	23 37	16 31		n.a.
M25	23 32	10 30	5 16	25 10	1 54	23 48	0 38	23 32	0 48	2 54	1 28	10 44	2 33	16 31	0 46	19 37	1 15	24 51	2 33	23 37	23 37	16 29		n.a.
T 26	23 37	5 40	5 15	25 21	1 56	23 58	0 41	23 39	0 49	2 51	1 29	10 43	2 33	16 30	0 46	19 38	1 15	24 52	2 33	23 37	23 37	16 27		n.a.
W27	23 40	0 34	5 1	25 31	1 57	24 7	0 43	23 45	0 49	2 49	1 29	10 41	2 32	16 30	0 46	19 38	1 15	24 52	2 33	23 37	23 37	16 25		n.a.
T 28	23 44	4s40	4 33	25 39	1 58	24 15	0 45	23 51	0 50	2 47	1 29	10 40	2 32	16 29	0 46	19 38	1 16	24 53	2 33	23 37	23 37	16 23		n.a.
F 29	23 46	9 51	3 50	25 45	1 59	24 22	0 47	23 57	0 50	2 46	1 29	10 38	2 32	16 28	0 46	19 39	1 16	24 53	2 33	23 37	23 36	16 21		n.a.
S 30	23 49	14 45	2 55	25 49	1 59	24 29	0 48	24 2	0 51	2 44	1 30	10 36	2 32	16 27	0 46	19 39	1 16	24 53	2 33	23 37	23 36	16 19		n.a.
S 31	23s51	19s 5	1n49	25s51	1s59	24s35	0s50	24s 8	0s51	2n42	1n30	10s34	2s31	16s27	0s46	19n39	1n16	24s54	2s33	23n37	23n36	16n17		n.a.

Julian Day Number = 1106311.5, Delta T = 10h57m17s
Ecliptic obliquity = 23°53'28, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'13, Lahiri = -27°11'12 Julian Calendar 1 Dec. 1685 BCE == Greg. Calendar 17 Nov. 1685 BCE

The year -1684 astronomical counting style corresponds to year 1685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

JANUARY 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 44 3	27♐31'15	15♐18	29♐41	25♐ 1	18♐ 9	26♍48	9♓20	18♒ 5	8°R37	10♐ 1	21°R33	21♊14	29♌45	n.a.	M 1
T 2	5 48 0	28°31'53	29°25	1♑30	26°16	18°56	26°53	9°24	18° 7	8♌36	10° 3	21♊33	21°11	29°52	n.a.	T 2
W 3	5 51 56	29°32'29	13♑48	3°20	27°31	19°43	26°57	9°28	18°10	8°35	10° 5	21°33	21° 7	29°58	n.a.	W 3
T 4	5 55 53	0♑33'04	28°22	5°10	28°46	20°31	27° 1	9°32	18°12	8°34	10° 7	21°32	21° 4	0♍ 5	n.a.	T 4
F 5	5 59 49	1°33'36	13♒ 0	7° 1	0♑ 1	21°18	27° 5	9°37	18°15	8°33	10° 9	21°31	21° 1	0°12	n.a.	F 5
S 6	6 3 46	2°34'07	27°35	8°53	1°15	22° 5	27° 9	9°41	18°17	8°31	10°11	21°29	20°58	0°18	n.a.	S 6
S 7	6 7 42	3°34'35	12♓ 3	10°44	2°30	22°52	27°13	9°46	18°20	8°30	10°12	21°28	20°55	0°25	n.a.	S 7
M 8	6 11 39	4°35'01	26°20	12°36	3°45	23°39	27°17	9°51	18°23	8°29	10°14	21°28	20°52	0°32	n.a.	M 8
T 9	6 15 36	5°35'25	10♈22	14°28	5° 0	24°27	27°20	9°55	18°25	8°28	10°16	21°D27	20°48	0°39	n.a.	T 9
W10	6 19 32	6°35'47	24° 9	16°20	6°15	25°14	27°23	10° 0	18°28	8°26	10°18	21°28	20°45	0°45	n.a.	W10
T 11	6 23 29	7°36'07	7♉40	18°11	7°30	26° 1	27°26	10° 5	18°31	8°25	10°20	21°29	20°42	0°52	n.a.	T 11
F 12	6 27 25	8°36'24	20°57	20° 2	8°45	26°48	27°29	10°10	18°34	8°24	10°21	21°31	20°39	0°59	n.a.	F 12
S 13	6 31 22	9°36'40	4♊ 0	21°51	10° 0	27°35	27°32	10°15	18°36	8°22	10°23	21°32	20°36	1° 5	n.a.	S 13
S 14	6 35 18	10°36'53	16°50	23°40	11°14	28°23	27°34	10°20	18°39	8°21	10°25	21°R33	20°32	1°12	n.a.	S 14
M15	6 39 15	11°37'05	29°28	25°27	12°29	29°10	27°37	10°26	18°42	8°19	10°27	21°32	20°29	1°19	n.a.	M15
T 16	6 43 11	12°37'14	11♋55	27°11	13°44	29°57	27°39	10°31	18°45	8°18	10°28	21°31	20°26	1°26	n.a.	T 16
W17	6 47 8	13°37'21	24°11	28°53	14°59	0♑44	27°41	10°36	18°48	8°16	10°30	21°29	20°23	1°32	n.a.	W17
T 18	6 51 5	14°37'26	6♌19	0♒32	16°14	1°31	27°42	10°42	18°51	8°15	10°32	21°25	20°20	1°39	n.a.	T 18
F 19	6 55 1	15°37'30	18°19	2° 7	17°28	2°18	27°44	10°48	18°54	8°14	10°33	21°21	20°17	1°46	n.a.	F 19
S 20	6 58 58	16°37'31	0♍14	3°38	18°43	3° 5	27°45	10°53	18°57	8°12	10°35	21°17	20°13	1°52	n.a.	S 20
S 21	7 2 54	17°37'30	12° 6	5° 4	19°58	3°53	27°47	10°59	19° 0	8°10	10°37	21°13	20°10	1°59	n.a.	S 21
M22	7 6 51	18°37'28	23°58	6°25	21°12	4°40	27°48	11° 5	19° 3	8° 9	10°38	21° 9	20° 7	2° 6	n.a.	M22
T 23	7 10 47	19°37'23	5♎55	7°39	22°27	5°27	27°48	11°10	19° 6	8° 7	10°40	21° 7	20° 4	2°13	n.a.	T 23
W24	7 14 44	20°37'17	18° 1	8°48	23°42	6°14	27°49	11°16	19° 9	8° 6	10°42	21°D 6	20° 1	2°19	n.a.	W24
T 25	7 18 40	21°37'09	0♏20	9°49	24°56	7° 1	27°50	11°22	19°12	8° 4	10°43	21° 6	19°58	2°26	n.a.	T 25
F 26	7 22 37	22°36'59	12°57	10°43	26°11	7°48	27°50	11°28	19°15	8° 3	10°45	21° 8	19°54	2°33	n.a.	F 26
S 27	7 26 33	23°36'48	25°56	11°29	27°26	8°35	27°R50	11°34	19°18	8° 1	10°46	21° 9	19°51	2°40	n.a.	S 27
S 28	7 30 30	24°36'34	9♐20	12° 7	28°40	9°22	27°50	11°41	19°21	8° 0	10°48	21°11	19°48	2°46	n.a.	S 28
M29	7 34 27	25°36'19	23°11	12°36	29°55	10° 9	27°49	11°47	19°25	7°58	10°49	21°R11	19°45	2°53	n.a.	M29
T 30	7 38 23	26°36'01	7♑29	12°57	1♒ 9	10°56	27°49	11°53	19°28	7°56	10°51	21°10	19°42	3° 0	n.a.	T 30
W31	7 42 20	27♑35'42	22♑ 9	13♒ 9	2♒24	11♑43	27♍48	12♓ 0	19♒31	7♌55	10♐52	21♊ 7	19♊38	3♍ 6	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23s52	22s29	0n35	25s51	1s58	24s40	0s52	24s12	0s52	2n40	1n30	10s33	2s31	16s26	0s46	19n40	1n16	24s54	2s34	23n37	23n36	16n14			n.a.
T 2	23 53	24 37	0s43	25 49	1 57	24 44	0 54	24 17	0 52	2 39	1 30	10 31	2 31	16 25	0 46	19 40	1 16	24 55	2 34	23 37	23 35	16 12			n.a.
W 3	23 53	25 9	2 0	25 45	1 55	24 48	0 56	24 21	0 53	2 37	1 31	10 29	2 31	16 24	0 46	19 40	1 16	24 55	2 34	23 37	23 35	16 10			n.a.
T 4	23 53	23 59	3 10	25 39	1 52	24 51	0 58	24 26	0 53	2 35	1 31	10 27	2 30	16 23	0 46	19 41	1 16	24 55	2 34	23 37	23 35	16 8			n.a.
F 5	23 53	21 11	4 8	25 31	1 49	24 53	0 59	24 29	0 53	2 34	1 31	10 25	2 30	16 23	0 46	19 41	1 16	24 56	2 34	23 37	23 35	16 6			n.a.
S 6	23 52	17 3	4 49	25 20	1 45	24 54	1 1	24 33	0 54	2 33	1 31	10 23	2 30	16 22	0 46	19 41	1 16	24 56	2 34	23 37	23 35	16 4			n.a.
S 7	23 50	11 57	5 12	25 8	1 41	24 55	1 3	24 36	0 54	2 31	1 32	10 21	2 30	16 21	0 46	19 42	1 16	24 57	2 34	23 37	23 34	16 2			n.a.
M 8	23 49	6 17	5 15	24 53	1 36	24 54	1 4	24 39	0 55	2 30	1 32	10 19	2 29	16 20	0 46	19 42	1 16	24 57	2 34	23 37	23 34	15 59			n.a.
T 9	23 46	0 24	4 59	24 35	1 30	24 53	1 6	24 42	0 55	2 29	1 32	10 17	2 29	16 19	0 46	19 43	1 16	24 57	2 34	23 37	23 34	15 57			n.a.
W10	23 43	5n25	4 26	24 16	1 24	24 51	1 7	24 44	0 56	2 28	1 32	10 15	2 29	16 18	0 46	19 43	1 16	24 58	2 35	23 37	23 34	15 55			n.a.
T 11	23 40	10 53	3 39	23 54	1 17	24 49	1 9	24 46	0 56	2 27	1 33	10 13	2 29	16 17	0 46	19 43	1 16	24 58	2 35	23 37	23 33	15 53			n.a.
F 12	23 36	15 45	2 41	23 30	1 9	24 46	1 10	24 48	0 57	2 26	1 33	10 11	2 28	16 16	0 46	19 44	1 16	24 58	2 35	23 37	23 33	15 51			n.a.
S 13	23 32	19 47	1 35	23 4	1 1	24 41	1 11	24 49	0 57	2 25	1 33	10 9	2 28	16 16	0 46	19 44	1 16	24 59	2 35	23 37	23 33	15 48			n.a.
S 14	23 27	22 48	0 26	22 37	0 51	24 36	1 12	24 50	0 57	2 24	1 33	10 6	2 28	16 15	0 46	19 45	1 16	24 59	2 35	23 37	23 33	15 46			n.a.
M15	23 22	24 37	0n44	22 7	0 41	24 31	1 14	24 51	0 58	2 24	1 34	10 4	2 28	16 14	0 46	19 45	1 16	25 0	2 35	23 37	23 33	15 44			n.a.
T 16	23 17	25 10	1 50	21 37	0 30	24 24	1 15	24 52	0 58	2 23	1 34	10 2	2 28	16 13	0 46	19 45	1 16	25 0	2 35	23 37	23 32	15 42			n.a.
W17	23 11	24 28	2 50	21 5	0 19	24 17	1 16	24 52	0 59	2 23	1 34	10 0	2 27	16 12	0 46	19 46	1 16	25 0	2 35	23 37	23 32	15 40			n.a.
T 18	23 4	22 37	3 42	20 31	0 7	24 9	1 17	24 52	0 59	2 22	1 34	9 57	2 27	16 11	0 46	19 46	1 16	25 1	2 36	23 36	23 32	15 37			n.a.
F 19	22 57	19 47	4 23	19 58	0n 6	24 1	1 18	24 52	0 59	2 22	1 35	9 55	2 27	16 10	0 46	19 47	1 16	25 1	2 36	23 36	23 32	15 35			n.a.
S 20	22 50	16 9	4 52	19 23	0 20	23 51	1 19	24 51	1 0	2 21	1 35	9 53	2 27	16 9	0 46	19 47	1 16	25 1	2 36	23 36	23 31	15 33			n.a.
S 21	22 42	11 54	5 9	18 49	0 33	23 41	1 20	24 50	1 0	2 21	1 35	9 50	2 27	16 8	0 46	19 48	1 16	25 2	2 36	23 36	23 31	15 31			n.a.
M22	22 34	7 12	5 13	18 15	0 48	23 31	1 21	24 49	1 0	2 21	1 36	9 48	2 26	16 7	0 46	19 48	1 16	25 2	2 36	23 35	23 31	15 29			n.a.
T 23	22 25	2 14	5 3	17 42	1 2	23 19	1 21	24 47	1 1	2 21	1 36	9 45	2 26	16 6	0 46	19 48	1 16	25 3	2 36	23 35	23 31	15 26			n.a.
W24	22 16	2s54	4 39	17 10	1 17	23 7	1 22	24 46	1 1	2 21	1 36	9 43	2 26	16 5	0 46	19 49	1 16	25 3	2 36	23 35	23 30	15 24			n.a.
T 25	22 7	8 1	4 3	16 39	1 32	22 54	1 23	24 43	1 1	2 21	1 36	9 40	2 26	16 4	0 46	19 49	1 16	25 3	2 36	23 35	23 30	15 22			n.a.
F 26	21 57	12 56	3 14	16 10	1 47	22 40	1 23	24 41	1 2	2 21	1 37	9 38	2 26	16 3	0 46	19 50	1 17	25 4	2 37	23 35	23 30	15 20			n.a.
S 27	21 47	17 26	2 14	15 43	2 2	22 26	1 24	24 38	1 2	2 21	1 37	9 35	2 25	16 2	0 46	19 50	1 17	25 4	2 37	23 35	23 30	15 17			n.a.
S 28	21 36	21 13	1 4	15 18	2 17	22 11	1 24	24 36	1 2	2 21	1 37	9 33	2 25	16 1	0 46	19 51	1 17	25 4	2 37	23 35	23 29	15 15			n.a.
M29	21 25	23 54	0s11	14 56	2 31	21 56	1 24	24 32	1 3	2 22	1 37	9 30	2 25	16 0	0 46	19 51	1 17	25 5	2 37	23 36	23 29	15 13			n.a.
T 30	21 14	25 8	1 28	14 37	2 44	21 39	1 25	24 29	1 3	2 22	1 38	9 27	2 25	15 59	0 46	19 52	1 17	25 5	2 37	23 35	23 29	15 11			n.a.
W31	21s 2	24s40	2s41	14s22	2n57	21s23	1s25	24s25	1s 3	2n23	1n38	9s25	2s25	15s58	0s46	19n52	1n17	25s 5	2s37	23n35	23n29	15n 8			n.a.

Julian Day Number = 1106342.5, Delta T = 10h57m15s
Ecliptic obliquity = 23°53'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'09, Lahiri = -27°11'08 Julian Calendar 1 Jan. 1684 BCE == Greg. Calendar 18 Dec. 1685 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

FEBRUARY 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 46 16	28♉35'20	7♒ 5	13°R13	3♒38	12♉30	27°R47	12♓ 6	19♒34	7°R53	10♐54	21°R 3	19♊35	3♍13	n.a.	T 1
F 2	7 50 13	29°34'56	22° 9	13♒ 8	4°53	13°17	27♍46	12°12	19°38	7♑52	10°55	20♊57	19°32	3°20	n.a.	F 2
S 3	7 54 9	0♒34'30	7♓11	12°56	6° 8	14° 4	27°45	12°19	19°41	7°50	10°56	20°51	19°29	3°27	n.a.	S 3
S 4	7 58 6	1°34'01	22° 2	12°35	7°22	14°51	27°44	12°26	19°44	7°48	10°58	20°46	19°26	3°33	n.a.	S 4
M 5	8 2 2	2°33'30	6♈35	12° 7	8°36	15°37	27°42	12°32	19°47	7°47	10°59	20°42	19°23	3°40	n.a.	M 5
T 6	8 5 59	3°32'56	20°45	11°33	9°51	16°24	27°40	12°39	19°51	7°45	11° 0	20°39	19°19	3°47	n.a.	T 6
W 7	8 9 56	4°32'20	4♉33	10°53	11° 5	17°11	27°38	12°46	19°54	7°43	11° 2	20°D38	19°16	3°53	n.a.	W 7
T 8	8 13 52	5°31'41	17°57	10° 9	12°20	17°58	27°36	12°52	19°57	7°42	11° 3	20°39	19°13	4° 0	n.a.	T 8
F 9	8 17 49	6°31'00	1♊ 2	9°21	13°34	18°45	27°34	12°59	20° 1	7°40	11° 4	20°40	19°10	4° 7	n.a.	F 9
S 10	8 21 45	7°30'17	13°48	8°30	14°48	19°31	27°31	13° 6	20° 4	7°38	11° 6	20°41	19° 7	4°14	n.a.	S 10
S 11	8 25 42	8°29'31	26°20	7°37	16° 3	20°18	27°28	13°13	20° 7	7°37	11° 7	20°R41	19° 4	4°20	n.a.	S 11
M12	8 29 38	9°28'42	8♋41	6°44	17°17	21° 5	27°25	13°20	20°11	7°35	11° 8	20°40	19° 0	4°27	n.a.	M12
T 13	8 33 35	10°27'52	20°53	5°52	18°31	21°51	27°22	13°27	20°14	7°33	11° 9	20°36	18°57	4°34	n.a.	T 13
W14	8 37 31	11°26'59	2♌58	5° 2	19°46	22°38	27°19	13°34	20°17	7°32	11°10	20°29	18°54	4°40	n.a.	W14
T 15	8 41 28	12°26'03	14°58	4°14	21° 0	23°25	27°16	13°41	20°21	7°30	11°11	20°21	18°51	4°47	n.a.	T 15
F 16	8 45 24	13°25'06	26°53	3°29	22°14	24°11	27°12	13°49	20°24	7°28	11°12	20°11	18°48	4°54	n.a.	F 16
S 17	8 49 21	14°24'06	8♍46	2°48	23°28	24°58	27° 8	13°56	20°28	7°27	11°14	20° 0	18°44	5° 1	n.a.	S 17
S 18	8 53 18	15°23'04	20°38	2°12	24°43	25°44	27° 4	14° 3	20°31	7°25	11°15	19°50	18°41	5° 7	n.a.	S 18
M19	8 57 14	16°22'00	2♎32	1°41	25°57	26°31	27° 0	14°10	20°34	7°24	11°16	19°41	18°38	5°14	n.a.	M19
T 20	9 1 11	17°20'55	14°29	1°15	27°11	27°17	26°56	14°18	20°38	7°22	11°17	19°34	18°35	5°21	n.a.	T 20
W21	9 5 7	18°19'47	26°35	0°55	28°25	28° 3	26°52	14°25	20°41	7°20	11°18	19°29	18°32	5°28	n.a.	W21
T 22	9 9 4	19°18'37	8♏51	0°40	29°39	28°50	26°47	14°32	20°45	7°19	11°19	19°26	18°29	5°34	n.a.	T 22
F 23	9 13 0	20°17'26	21°24	0°30	0♓53	29°36	26°42	14°40	20°48	7°17	11°20	19°D26	18°25	5°41	n.a.	F 23
S 24	9 16 57	21°16'12	4♐17	0°D27	2° 7	0♒22	26°38	14°47	20°51	7°15	11°20	19°26	18°22	5°48	n.a.	S 24
S 25	9 20 53	22°14'57	17°35	0°28	3°21	1° 9	26°32	14°55	20°55	7°14	11°21	19°R27	18°19	5°54	n.a.	S 25
M26	9 24 50	23°13'40	1♉20	0°35	4°35	1°55	26°27	15° 2	20°58	7°12	11°22	19°26	18°16	6° 1	n.a.	M26
T 27	9 28 46	24°12'21	15°34	0°47	5°49	2°41	26°22	15°10	21° 2	7°11	11°23	19°24	18°13	6° 8	n.a.	T 27
W28	9 32 43	25♒11'01	0♒16	1♒ 4	7♓ 3	3♒27	26♍17	15♓17	21♒ 5	7♑ 9	11♐24	19♊19	18♊10	6♍15	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s50	22s27	3s44	14s 9	3n 9	21s 5	1s25	24s21	1s 4	2n23	1n38	9s22	2s24	15s57	0s46	19n52	1n17	25s 6	2s37	23n35	23n28	15n 6		n.a.
F 2	20 37	18 40	4 32	14 0	3 19	20 47	1 25	24 17	1 4	2 24	1 38	9 19	2 24	15 56	0 46	19 53	1 17	25 6	2 38	23 35	23 28	15 4		n.a.
S 3	20 24	13 41	5 1	13 55	3 29	20 28	1 25	24 12	1 4	2 25	1 39	9 17	2 24	15 55	0 46	19 53	1 17	25 6	2 38	23 34	23 28	15 1		n.a.
S 4	20 11	7 57	5 10	13 53	3 37	20 9	1 25	24 7	1 5	2 26	1 39	9 14	2 24	15 54	0 46	19 54	1 17	25 7	2 38	23 34	23 28	14 59		n.a.
M 5	19 58	1 53	4 58	13 55	3 43	19 49	1 25	24 2	1 5	2 26	1 39	9 11	2 24	15 53	0 46	19 54	1 17	25 7	2 38	23 33	23 27	14 57		n.a.
T 6	19 44	4n 7	4 28	14 0	3 48	19 29	1 25	23 56	1 5	2 27	1 39	9 9	2 24	15 51	0 46	19 55	1 17	25 7	2 38	23 33	23 27	14 55		n.a.
W 7	19 29	9 46	3 44	14 8	3 51	19 8	1 25	23 51	1 5	2 28	1 39	9 6	2 24	15 50	0 46	19 55	1 17	25 8	2 38	23 33	23 27	14 52		n.a.
T 8	19 15	14 49	2 48	14 19	3 52	18 47	1 25	23 45	1 6	2 29	1 40	9 3	2 23	15 49	0 46	19 56	1 17	25 8	2 38	23 33	23 27	14 50		n.a.
F 9	19 0	19 3	1 44	14 33	3 51	18 25	1 25	23 38	1 6	2 31	1 40	9 0	2 23	15 48	0 45	19 56	1 17	25 8	2 39	23 33	23 26	14 48		n.a.
S 10	18 44	22 16	0 37	14 49	3 48	18 2	1 24	23 32	1 6	2 32	1 40	8 57	2 23	15 47	0 45	19 56	1 17	25 9	2 39	23 33	23 26	14 45		n.a.
S 11	18 29	24 21	0n30	15 7	3 43	17 39	1 24	23 25	1 6	2 33	1 40	8 54	2 23	15 46	0 45	19 57	1 17	25 9	2 39	23 33	23 26	14 43		n.a.
M12	18 13	25 11	1 35	15 26	3 37	17 16	1 23	23 18	1 7	2 35	1 41	8 52	2 23	15 45	0 45	19 57	1 17	25 9	2 39	23 33	23 26	14 41		n.a.
T 13	17 57	24 47	2 35	15 47	3 29	16 52	1 23	23 11	1 7	2 36	1 41	8 49	2 23	15 44	0 45	19 58	1 17	25 10	2 39	23 33	23 25	14 38		n.a.
W14	17 40	23 13	3 27	16 9	3 20	16 28	1 22	23 3	1 7	2 38	1 41	8 46	2 23	15 43	0 45	19 58	1 17	25 10	2 39	23 33	23 25	14 36		n.a.
T 15	17 24	20 37	4 9	16 31	3 9	16 3	1 21	22 55	1 7	2 39	1 41	8 43	2 22	15 42	0 45	19 59	1 17	25 10	2 39	23 32	23 25	14 34		n.a.
F 16	17 6	17 9	4 40	16 53	2 57	15 38	1 21	22 47	1 7	2 41	1 41	8 40	2 22	15 41	0 45	19 59	1 17	25 11	2 40	23 31	23 25	14 31		n.a.
S 17	16 49	13 2	4 59	17 15	2 44	15 12	1 20	22 39	1 8	2 42	1 42	8 37	2 22	15 39	0 45	20 0	1 17	25 11	2 40	23 30	23 24	14 29		n.a.
S 18	16 32	8 26	5 5	17 36	2 30	14 46	1 19	22 30	1 8	2 44	1 42	8 34	2 22	15 38	0 45	20 0	1 17	25 11	2 40	23 30	23 24	14 27		n.a.
M19	16 14	3 30	4 57	17 57	2 16	14 20	1 18	22 22	1 8	2 46	1 42	8 31	2 22	15 37	0 45	20 0	1 17	25 12	2 40	23 29	23 24	14 24		n.a.
T 20	15 56	1s35	4 37	18 17	2 1	13 53	1 17	22 13	1 8	2 48	1 42	8 28	2 22	15 36	0 45	20 1	1 17	25 12	2 40	23 28	23 23	14 22		n.a.
W21	15 37	6 40	4 4	18 36	1 46	13 26	1 16	22 3	1 8	2 50	1 42	8 25	2 22	15 35	0 45	20 1	1 17	25 12	2 40	23 28	23 23	14 20		n.a.
T 22	15 19	11 35	3 19	18 54	1 31	12 58	1 15	21 54	1 8	2 52	1 43	8 22	2 22	15 34	0 45	20 2	1 17	25 13	2 41	23 28	23 23	14 17		n.a.
F 23	15 0	16 8	2 24	19 11	1 16	12 30	1 14	21 44	1 9	2 54	1 43	8 19	2 22	15 33	0 45	20 2	1 17	25 13	2 41	23 28	23 23	14 15		n.a.
S 24	14 41	20 5	1 20	19 26	1 1	12 2	1 12	21 34	1 9	2 56	1 43	8 16	2 22	15 32	0 45	20 3	1 17	25 13	2 41	23 28	23 22	14 13		n.a.
S 25	14 21	23 8	0 10	19 40	0 47	11 34	1 11	21 24	1 9	2 58	1 43	8 13	2 21	15 31	0 45	20 3	1 17	25 13	2 41	23 28	23 22	14 10		n.a.
M26	14 2	24 56	1s 3	19 53	0 32	11 5	1 10	21 14	1 9	3 1	1 43	8 10	2 21	15 29	0 45	20 3	1 17	25 14	2 41	23 28	23 22	14 8		n.a.
T 27	13 42	25 11	2 14	20 4	0 18	10 36	1 8	21 3	1 9	3 3	1 43	8 7	2 21	15 28	0 45	20 4	1 17	25 14	2 41	23 28	23 21	14 5		n.a.
W28	13s22	23s43	3s19	20s13	0n 5	10s 7	1s 7	20s52	1s 9	3n 5	1n44	8s 4	2s21	15s27	0s45	20n 4	1n17	25s14	2s42	23n27	23n21	14n 3		n.a.

Julian Day Number = 1106373.5, Delta T = 10h57m13s
Ecliptic obliquity = 23°53'28, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'04, Lahiri = -27°11'04 Julian Calendar 1 Feb. 1684 BCE == Greg. Calendar 18 Jan. 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

MARCH 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 36 40	26♒ 9'38	15♒19	1♒26	8♓17	4♒14	26°R11	15♓25	21♒ 9	7°R 8	11♐25	19°R11	18♊ 6	6♍21	n.a.	T 1
F 2	9 40 36	27° 8'13	0♓35	1°52	9°31	5° 0	26♍ 5	15°32	21°12	7♌ 6	11°25	19♊ 2	18° 3	6°28	n.a.	F 2
S 3	9 44 33	28° 6'46	15°53	2°23	10°45	5°46	25°59	15°40	21°15	7° 5	11°26	18°52	18° 0	6°35	n.a.	S 3
S 4	9 48 29	29° 5'17	1♈ 2	2°57	11°59	6°32	25°53	15°48	21°19	7° 3	11°27	18°42	17°57	6°41	n.a.	S 4
M 5	9 52 26	0♓ 3'45	15°52	3°36	13°13	7°18	25°47	15°55	21°22	7° 2	11°27	18°34	17°54	6°48	n.a.	M 5
T 6	9 56 22	1° 2'11	0♉16	4°19	14°27	8° 4	25°41	16° 3	21°25	7° 0	11°28	18°28	17°50	6°55	n.a.	T 6
W 7	10 0 19	2° 0'35	14°12	5° 5	15°41	8°49	25°35	16°11	21°29	6°59	11°29	18°25	17°47	7° 2	n.a.	W 7
T 8	10 4 15	2°58'57	27°40	5°54	16°55	9°35	25°28	16°19	21°32	6°57	11°29	18°D24	17°44	7° 8	n.a.	T 8
F 9	10 8 12	3°57'17	10♊43	6°47	18° 8	10°21	25°22	16°26	21°36	6°56	11°30	18°24	17°41	7°15	n.a.	F 9
S 10	10 12 8	4°55'34	23°24	7°43	19°22	11° 7	25°15	16°34	21°39	6°54	11°30	18°R24	17°38	7°22	n.a.	S 10
S 11	10 16 5	5°53'49	5♋48	8°41	20°36	11°53	25° 8	16°42	21°42	6°53	11°31	18°23	17°35	7°29	n.a.	S 11
M12	10 20 2	6°52'02	17°59	9°43	21°50	12°38	25° 1	16°50	21°46	6°51	11°31	18°20	17°31	7°35	n.a.	M12
T 13	10 23 58	7°50'13	0♌ 2	10°47	23° 3	13°24	24°54	16°57	21°49	6°50	11°32	18°14	17°28	7°42	n.a.	T 13
W14	10 27 55	8°48'22	11°59	11°54	24°17	14° 9	24°47	17° 5	21°52	6°49	11°32	18° 5	17°25	7°49	n.a.	W14
T 15	10 31 51	9°46'28	23°52	13° 4	25°31	14°55	24°40	17°13	21°55	6°47	11°32	17°54	17°22	7°55	n.a.	T 15
F 16	10 35 48	10°44'33	5♍45	14°16	26°44	15°40	24°33	17°21	21°59	6°46	11°33	17°40	17°19	8° 2	n.a.	F 16
S 17	10 39 44	11°42'36	17°38	15°30	27°58	16°26	24°26	17°29	22° 2	6°45	11°33	17°26	17°15	8° 9	n.a.	S 17
S 18	10 43 41	12°40'37	29°32	16°47	29°11	17°11	24°19	17°37	22° 5	6°44	11°33	17°13	17°12	8°16	n.a.	S 18
M19	10 47 37	13°38'36	11♎30	18° 6	0♈25	17°57	24°11	17°45	22° 9	6°42	11°34	17° 0	17° 9	8°22	n.a.	M19
T 20	10 51 34	14°36'33	23°32	19°27	1°38	18°42	24° 4	17°52	22°12	6°41	11°34	16°50	17° 6	8°29	n.a.	T 20
W21	10 55 30	15°34'29	5♏42	20°51	2°52	19°27	23°56	18° 0	22°15	6°40	11°34	16°43	17° 3	8°36	n.a.	W21
T 22	10 59 27	16°32'24	18° 1	22°16	4° 5	20°12	23°49	18° 8	22°18	6°39	11°34	16°39	17° 0	8°42	n.a.	T 22
F 23	11 3 24	17°30'17	0♐35	23°44	5°19	20°58	23°41	18°16	22°21	6°37	11°34	16°37	16°56	8°49	n.a.	F 23
S 24	11 7 20	18°28'08	13°26	25°14	6°32	21°43	23°34	18°24	22°24	6°36	11°34	16°36	16°53	8°56	n.a.	S 24
S 25	11 11 17	19°25'59	26°38	26°45	7°45	22°28	23°26	18°32	22°28	6°35	11°35	16°36	16°50	9° 3	n.a.	S 25
M26	11 15 13	20°23'48	10♑16	28°19	8°59	23°13	23°19	18°40	22°31	6°34	11°35	16°35	16°47	9° 9	n.a.	M26
T 27	11 19 10	21°21'35	24°20	29°55	10°12	23°58	23°11	18°48	22°34	6°33	11°35	16°32	16°44	9°16	n.a.	T 27
W28	11 23 6	22°19'22	8♒52	1♓32	11°25	24°43	23° 3	18°55	22°37	6°32	11°R35	16°27	16°41	9°23	n.a.	W28
T 29	11 27 3	23°17'07	23°47	3°12	12°39	25°28	22°56	19° 3	22°40	6°31	11°35	16°19	16°37	9°30	n.a.	T 29
F 30	11 30 59	24°14'50	8♓58	4°54	13°52	26°12	22°48	19°11	22°43	6°30	11°35	16°10	16°34	9°36	n.a.	F 30
S 31	11 34 56	25♓12'32	24♓15	6♓37	15♈ 5	26♒57	22♍40	19♓19	22♒46	6♌29	11♐35	15♊59	16♊31	9♍43	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13s 2	20s32	4s12	20s21	0s 8	9s37	1s 5	20s41	1s 9	3n 8	1n44	8s 1	2s21	15s26	0s45	20n 5	1n17	25s14	2s42	23n26	23n21	14n 1			n.a.
F 2	12 42	15 56	4 47	20 28	0 21	9 8	1 4	20 30	1 9	3 10	1 44	7 58	2 21	15 25	0 45	20 5	1 17	25 15	2 42	23 26	23 21	13 58			n.a.
S 3	12 21	10 17	5 2	20 32	0 33	8 38	1 2	20 19	1 10	3 13	1 44	7 55	2 21	15 24	0 45	20 5	1 17	25 15	2 42	23 25	23 20	13 56			n.a.
S 4	12 1	4 5	4 55	20 36	0 45	8 7	1 1	20 7	1 10	3 15	1 44	7 52	2 21	15 23	0 45	20 6	1 17	25 15	2 42	23 24	23 20	13 53			n.a.
M 5	11 40	2n14	4 29	20 37	0 56	7 37	0 59	19 55	1 10	3 18	1 44	7 49	2 21	15 22	0 45	20 6	1 17	25 16	2 42	23 23	23 20	13 51			n.a.
T 6	11 19	8 15	3 46	20 37	1 6	7 6	0 57	19 43	1 10	3 20	1 44	7 45	2 21	15 21	0 45	20 7	1 17	25 16	2 42	23 23	23 19	13 49			n.a.
W 7	10 57	13 41	2 51	20 35	1 16	6 36	0 55	19 31	1 10	3 23	1 45	7 42	2 21	15 20	0 45	20 7	1 17	25 16	2 43	23 23	23 19	13 46			n.a.
T 8	10 36	18 16	1 48	20 32	1 25	6 5	0 53	19 18	1 10	3 26	1 45	7 39	2 21	15 18	0 45	20 7	1 17	25 16	2 43	23 22	23 19	13 44			n.a.
F 9	10 15	21 48	0 41	20 27	1 34	5 34	0 51	19 6	1 10	3 28	1 45	7 36	2 21	15 17	0 45	20 8	1 17	25 16	2 43	23 22	23 19	13 41			n.a.
S 10	9 53	24 10	0n26	20 20	1 42	5 2	0 50	18 53	1 10	3 31	1 45	7 33	2 21	15 16	0 45	20 8	1 17	25 17	2 43	23 22	23 18	13 39			n.a.
S 11	9 31	25 16	1 31	20 11	1 50	4 31	0 48	18 40	1 10	3 34	1 45	7 30	2 21	15 15	0 46	20 8	1 17	25 17	2 43	23 22	23 18	13 36			n.a.
M12	9 9	25 8	2 30	20 1	1 57	4 0	0 46	18 27	1 10	3 37	1 45	7 27	2 20	15 14	0 46	20 9	1 17	25 17	2 43	23 22	23 18	13 34			n.a.
T 13	8 47	23 48	3 21	19 49	2 3	3 28	0 43	18 14	1 10	3 40	1 45	7 24	2 20	15 13	0 46	20 9	1 17	25 17	2 44	23 22	23 17	13 32			n.a.
W14	8 25	21 24	4 3	19 36	2 9	2 57	0 41	18 0	1 10	3 43	1 45	7 20	2 20	15 12	0 46	20 9	1 17	25 18	2 44	23 21	23 17	13 29			n.a.
T 15	8 3	18 7	4 34	19 21	2 14	2 25	0 39	17 47	1 10	3 46	1 45	7 17	2 20	15 11	0 46	20 10	1 17	25 18	2 44	23 20	23 17	13 27			n.a.
F 16	7 41	14 6	4 53	19 4	2 18	1 53	0 37	17 33	1 10	3 48	1 45	7 14	2 20	15 10	0 46	20 10	1 17	25 18	2 44	23 18	23 16	13 24			n.a.
S 17	7 18	9 33	4 59	18 45	2 22	1 21	0 35	17 19	1 10	3 51	1 45	7 11	2 20	15 9	0 46	20 10	1 17	25 18	2 44	23 17	23 16	13 22			n.a.
S 18	6 56	4 39	4 53	18 25	2 26	0 49	0 32	17 5	1 10	3 54	1 45	7 8	2 20	15 8	0 46	20 11	1 17	25 18	2 44	23 16	23 16	13 19			n.a.
M19	6 33	0s27	4 33	18 2	2 28	0 18	0 30	16 51	1 10	3 57	1 45	7 5	2 20	15 7	0 46	20 11	1 17	25 19	2 45	23 15	23 15	13 17			n.a.
T 20	6 10	5 35	4 1	17 39	2 31	0n14	0 28	16 37	1 10	4 0	1 45	7 2	2 20	15 6	0 46	20 11	1 17	25 19	2 45	23 14	23 15	13 14			n.a.
W21	5 47	10 34	3 18	17 13	2 32	0 46	0 25	16 22	1 10	4 3	1 45	6 58	2 20	15 4	0 46	20 12	1 17	25 19	2 45	23 13	23 15	13 12			n.a.
T 22	5 25	15 13	2 25	16 46	2 33	1 18	0 23	16 8	1 10	4 6	1 45	6 55	2 20	15 3	0 46	20 12	1 17	25 19	2 45	23 12	23 15	13 9			n.a.
F 23	5 2	19 18	1 24	16 16	2 34	1 50	0 21	15 53	1 10	4 10	1 45	6 52	2 20	15 2	0 46	20 12	1 17	25 19	2 45	23 12	23 14	13 7			n.a.
S 24	4 39	22 34	0 17	15 46	2 34	2 22	0 18	15 38	1 10	4 13	1 45	6 49	2 20	15 1	0 46	20 12	1 17	25 20	2 45	23 12	23 14	13 5			n.a.
S 25	4 16	24 44	0s53	15 13	2 33	2 54	0 16	15 23	1 10	4 16	1 45	6 46	2 20	15 0	0 46	20 13	1 17	25 20	2 46	23 12	23 14	13 2			n.a.
M26	3 52	25 30	2 2	14 39	2 32	3 25	0 13	15 8	1 10	4 19	1 45	6 43	2 20	14 59	0 46	20 13	1 17	25 20	2 46	23 12	23 13	13 0			n.a.
T 27	3 29	24 41	3 5	14 3	2 30	3 57	0 11	14 53	1 10	4 22	1 45	6 40	2 20	14 58	0 46	20 13	1 17	25 20	2 46	23 12	23 13	12 57			n.a.
W28	3 6	22 13	3 59	13 25	2 27	4 29	0 8	14 37	1 10	4 25	1 45	6 36	2 20	14 57	0 46	20 13	1 17	25 20	2 46	23 11	23 13	12 55			n.a.
T 29	2 43	18 12	4 38	12 45	2 24	5 0	0 6	14 22	1 9	4 28	1 45	6 33	2 20	14 56	0 46	20 14	1 17	25 20	2 46	23 10	23 12	12 52			n.a.
F 30	2 20	12 57	4 58	12 4	2 21	5 31	0 3	14 6	1 9	4 31	1 45	6 30	2 20	14 55	0 46	20 14	1 17	25 21	2 46	23 9	23 12	12 50			n.a.
S 31	1s56	6s52	4s57	11s21	2s16	6n 3	0s 0	13s50	1s 9	4n34	1n45	6s27	2s20	14s54	0s46	20n14	1n16	25s21	2s47	23n 8	23n12	12n47			n.a.

Julian Day Number = 1106401.5, Delta T = 10h57m11s
Ecliptic obliquity = 23°53'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°18'01, Lahiri = -27°11'00 Julian Calendar 1 March 1684 BCE == Greg. Calendar 15 Feb. 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

APRIL 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 38 53	26♓10'12	9♈27	8♓23	16♈18	27♒42	22°R33	19♓27	22♒49	6°R28	11°R34	15°R48	16♊28	9♍50	n.a.	S 1
M 2	11 42 49	27° 7'51	24°23	10°11	17°32	28°27	22♍25	19°35	22°52	6♌27	11♐34	15♊39	16°25	9°56	n.a.	M 2
T 3	11 46 46	28° 5'28	8♉56	12° 0	18°45	29°11	22°18	19°43	22°55	6°26	11°34	15°33	16°21	10° 3	n.a.	T 3
W 4	11 50 42	29° 3'04	23° 0	13°52	19°58	29°56	22°10	19°50	22°58	6°25	11°34	15°29	16°18	10°10	n.a.	W 4
T 5	11 54 39	0♈ 0'38	6♊35	15°46	21°11	0♓40	22° 3	19°58	23° 1	6°25	11°34	15°27	16°15	10°17	n.a.	T 5
F 6	11 58 35	0°58'11	19°42	17°41	22°24	1°25	21°55	20° 6	23° 4	6°24	11°34	15°D27	16°12	10°23	n.a.	F 6
S 7	12 2 32	1°55'42	2♋26	19°39	23°37	2° 9	21°48	20°14	23° 6	6°23	11°33	15°R27	16° 9	10°30	n.a.	S 7
S 8	12 6 28	2°53'11	14°50	21°38	24°50	2°53	21°40	20°22	23° 9	6°22	11°33	15°27	16° 6	10°37	n.a.	S 8
M 9	12 10 25	3°50'39	26°59	23°39	26° 3	3°38	21°33	20°29	23°12	6°21	11°33	15°25	16° 2	10°43	n.a.	M 9
T 10	12 14 22	4°48'05	8♌58	25°42	27°16	4°22	21°26	20°37	23°15	6°21	11°32	15°20	15°59	10°50	n.a.	T 10
W11	12 18 18	5°45'30	20°52	27°47	28°29	5° 6	21°18	20°45	23°17	6°20	11°32	15°13	15°56	10°57	n.a.	W11
T 12	12 22 15	6°42'53	2♍44	29°53	29°42	5°50	21°11	20°52	23°20	6°19	11°32	15° 3	15°53	11° 4	n.a.	T 12
F 13	12 26 11	7°40'15	14°36	2♈ 0	0♉54	6°34	21° 4	21° 0	23°23	6°19	11°31	14°52	15°50	11°10	n.a.	F 13
S 14	12 30 8	8°37'36	26°31	4° 9	2° 7	7°18	20°57	21° 8	23°25	6°18	11°31	14°40	15°46	11°17	n.a.	S 14
S 15	12 34 4	9°34'56	8♎30	6°19	3°20	8° 2	20°50	21°15	23°28	6°18	11°30	14°28	15°43	11°24	n.a.	S 15
M16	12 38 1	10°32'14	20°35	8°29	4°33	8°46	20°43	21°23	23°31	6°17	11°30	14°17	15°40	11°31	n.a.	M16
T 17	12 41 57	11°29'32	2♏47	10°40	5°45	9°30	20°37	21°31	23°33	6°17	11°29	14° 8	15°37	11°37	n.a.	T 17
W18	12 45 54	12°26'49	15° 7	12°52	6°58	10°14	20°30	21°38	23°36	6°16	11°29	14° 2	15°34	11°44	n.a.	W18
T 19	12 49 51	13°24'04	27°38	15° 3	8°11	10°57	20°23	21°46	23°38	6°16	11°28	13°59	15°31	11°51	n.a.	T 19
F 20	12 53 47	14°21'20	10♐20	17°15	9°23	11°41	20°17	21°53	23°41	6°15	11°27	13°D58	15°27	11°57	n.a.	F 20
S 21	12 57 44	15°18'34	23°17	19°26	10°36	12°24	20°11	22° 1	23°43	6°15	11°27	13°58	15°24	12° 4	n.a.	S 21
S 22	13 1 40	16°15'48	6♑32	21°36	11°49	13° 8	20° 4	22° 8	23°45	6°15	11°26	13°58	15°21	12°11	n.a.	S 22
M23	13 5 37	17°13'02	20° 6	23°45	13° 1	13°51	19°58	22°16	23°48	6°14	11°25	13°R59	15°18	12°18	n.a.	M23
T 24	13 9 33	18°10'14	4♒ 3	25°53	14°14	14°35	19°52	22°23	23°50	6°14	11°25	13°58	15°15	12°24	n.a.	T 24
W25	13 13 30	19° 7'27	18°22	27°59	15°26	15°18	19°46	22°30	23°52	6°14	11°24	13°55	15°12	12°31	n.a.	W25
T 26	13 17 26	20° 4'39	3♓ 0	0♉ 4	16°38	16° 2	19°41	22°38	23°55	6°14	11°23	13°49	15° 8	12°38	n.a.	T 26
F 27	13 21 23	21° 1'50	17°54	2° 7	17°51	16°45	19°35	22°45	23°57	6°13	11°23	13°43	15° 5	12°45	n.a.	F 27
S 28	13 25 20	21°59'01	2♈54	4° 8	19° 3	17°28	19°29	22°52	23°59	6°13	11°22	13°35	15° 2	12°51	n.a.	S 28
S 29	13 29 16	22°56'11	17°53	6° 7	20°16	18°11	19°24	22°59	24° 1	6°13	11°21	13°27	14°59	12°58	n.a.	S 29
M30	13 33 13	23♈53'20	2♉41	8♉ 4	21♉28	18♓54	19♍19	23♓ 7	24♒ 3	6♌13	11♐20	13♊21	14♊56	13♍ 5	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s33	0s24	4s36	10s37	2s12	6n34	0n 2	13s35	1s 9	4n37	1n45	6s24	2s20	14s53	0s46	20n14	1n16	25s21	2s47	23n 7	23n11	12n45		n.a.
M 2	1 10	5n59	3 55	9 50	2 6	7 5	0 5	13 19	1 9	4 40	1 45	6 21	2 20	14 52	0 46	20 15	1 16	25 21	2 47	23 6	23 11	12 42		n.a.
T 3	0 46	11 54	3 0	9 2	2 1	7 35	0 7	13 3	1 9	4 43	1 45	6 18	2 20	14 51	0 46	20 15	1 16	25 21	2 47	23 5	23 11	12 39		n.a.
W 4	0 23	17 0	1 56	8 13	1 54	8 6	0 10	12 47	1 9	4 46	1 45	6 15	2 20	14 50	0 46	20 15	1 16	25 21	2 47	23 5	23 10	12 37		n.a.
T 5	0n 0	21 3	0 47	7 22	1 47	8 37	0 13	12 31	1 9	4 49	1 45	6 11	2 21	14 49	0 46	20 15	1 16	25 22	2 47	23 5	23 10	12 34		n.a.
F 6	0 24	23 51	0n23	6 29	1 40	9 7	0 15	12 14	1 8	4 52	1 45	6 8	2 21	14 49	0 46	20 15	1 16	25 22	2 48	23 5	23 10	12 32		n.a.
S 7	0 47	25 21	1 29	5 35	1 32	9 37	0 18	11 58	1 8	4 55	1 45	6 5	2 21	14 48	0 46	20 16	1 16	25 22	2 48	23 5	23 9	12 29		n.a.
S 8	1 10	25 31	2 29	4 39	1 24	10 7	0 21	11 42	1 8	4 57	1 44	6 2	2 21	14 47	0 46	20 16	1 16	25 22	2 48	23 5	23 9	12 27		n.a.
M 9	1 33	24 27	3 21	3 43	1 15	10 36	0 23	11 25	1 8	5 0	1 44	5 59	2 21	14 46	0 46	20 16	1 16	25 22	2 48	23 5	23 9	12 24		n.a.
T 10	1 57	22 16	4 4	2 45	1 6	11 6	0 26	11 8	1 8	5 3	1 44	5 56	2 21	14 45	0 46	20 16	1 16	25 22	2 48	23 4	23 8	12 22		n.a.
W11	2 20	19 9	4 35	1 46	0 56	11 35	0 28	10 52	1 8	5 6	1 44	5 53	2 21	14 44	0 46	20 16	1 16	25 22	2 48	23 3	23 8	12 19		n.a.
T 12	2 43	15 16	4 55	0 46	0 47	12 3	0 31	10 35	1 7	5 9	1 44	5 50	2 21	14 43	0 46	20 16	1 16	25 22	2 49	23 2	23 8	12 17		n.a.
F 13	3 6	10 48	5 2	0n15	0 37	12 32	0 34	10 18	1 7	5 11	1 44	5 47	2 21	14 42	0 46	20 16	1 16	25 22	2 49	23 1	23 7	12 14		n.a.
S 14	3 29	5 55	4 55	1 17	0 26	13 0	0 36	10 2	1 7	5 14	1 44	5 44	2 21	14 41	0 46	20 17	1 16	25 23	2 49	22 59	23 7	12 11		n.a.
S 15	3 52	0 47	4 36	2 19	0 16	13 28	0 39	9 45	1 7	5 17	1 43	5 41	2 21	14 41	0 46	20 17	1 16	25 23	2 49	22 58	23 7	12 9		n.a.
M16	4 15	4s26	4 4	3 21	0 5	13 56	0 41	9 28	1 7	5 19	1 43	5 38	2 21	14 40	0 46	20 17	1 16	25 23	2 49	22 57	23 6	12 6		n.a.
T 17	4 38	9 32	3 21	4 23	0n 5	14 23	0 44	9 11	1 6	5 22	1 43	5 35	2 21	14 39	0 46	20 17	1 16	25 23	2 49	22 56	23 6	12 4		n.a.
W18	5 0	14 20	2 27	5 25	0 16	14 50	0 47	8 54	1 6	5 24	1 43	5 32	2 21	14 38	0 46	20 17	1 16	25 23	2 50	22 55	23 6	12 1		n.a.
T 19	5 23	18 36	1 26	6 26	0 26	15 16	0 49	8 36	1 6	5 27	1 43	5 29	2 21	14 37	0 46	20 17	1 16	25 23	2 50	22 55	23 5	11 59		n.a.
F 20	5 46	22 6	0 19	7 27	0 36	15 42	0 52	8 19	1 6	5 29	1 42	5 26	2 21	14 36	0 46	20 17	1 16	25 23	2 50	22 54	23 5	11 56		n.a.
S 21	6 8	24 33	0s50	8 27	0 46	16 8	0 54	8 2	1 5	5 31	1 42	5 23	2 22	14 36	0 46	20 17	1 16	25 23	2 50	22 54	23 5	11 53		n.a.
S 22	6 31	25 41	1 58	9 26	0 56	16 33	0 56	7 45	1 5	5 34	1 42	5 20	2 22	14 35	0 46	20 17	1 16	25 23	2 50	22 55	23 4	11 51		n.a.
M23	6 53	25 20	3 1	10 24	1 5	16 58	0 59	7 28	1 5	5 36	1 42	5 17	2 22	14 34	0 46	20 17	1 16	25 23	2 50	22 55	23 4	11 48		n.a.
T 24	7 15	23 24	3 55	11 19	1 14	17 23	1 1	7 10	1 5	5 38	1 42	5 15	2 22	14 33	0 46	20 17	1 16	25 23	2 51	22 54	23 3	11 46		n.a.
W25	7 37	19 59	4 36	12 14	1 22	17 47	1 4	6 53	1 4	5 40	1 41	5 12	2 22	14 33	0 46	20 17	1 16	25 23	2 51	22 54	23 3	11 43		n.a.
T 26	7 59	15 15	5 1	13 6	1 30	18 11	1 6	6 36	1 4	5 43	1 41	5 9	2 22	14 32	0 46	20 17	1 16	25 23	2 51	22 53	23 3	11 40		n.a.
F 27	8 21	9 32	5 5	13 57	1 37	18 34	1 8	6 18	1 4	5 45	1 41	5 6	2 22	14 31	0 47	20 17	1 16	25 23	2 51	22 53	23 2	11 38		n.a.
S 28	8 43	3 14	4 49	14 45	1 43	18 57	1 11	6 1	1 4	5 47	1 41	5 3	2 22	14 30	0 47	20 17	1 16	25 23	2 51	22 52	23 2	11 35		n.a.
S 29	9 5	3n16	4 13	15 31	1 49	19 19	1 13	5 43	1 3	5 48	1 40	5 0	2 22	14 30	0 47	20 17	1 16	25 23	2 51	22 51	23 2	11 33		n.a.
M30	9n26	9n30	3s20	16n16	1n54	19n41	1n15	5s26	1s 3	5n50	1n40	4s58	2s23	14s29	0s47	20n17	1n16	25s23	2s51	22n50	23n 1	11n30		n.a.

Julian Day Number = 1106432.5, Delta T = 10h57m10s
Ecliptic obliquity = 23°53'30, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'56, Lahiri = -27°10'56 Julian Calendar 1 Apr. 1684 BCE == Greg. Calendar 18 March 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

MAY 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 37 9	24♈50'29	17♉10	9♉59	22♉40	19♓37	19°R14	23♓14	24♒ 5	6°R13	11°R19	13°R16	14♊52	13♍11	n.a.	T 1
W 2	13 41 6	25°47'38	1♊14	11°51	23°52	20°20	19♍ 9	23°21	24° 7	6°D13	11♐18	13♊14	14°49	13°18	n.a.	W 2
T 3	13 45 2	26°44'46	14°52	13°41	25° 5	21° 3	19° 4	23°28	24° 9	6♌13	11°17	13°D13	14°46	13°25	n.a.	T 3
F 4	13 48 59	27°41'53	28° 4	15°29	26°17	21°46	18°59	23°35	24°11	6°13	11°16	13°14	14°43	13°32	n.a.	F 4
S 5	13 52 56	28°38'59	10♋51	17°14	27°29	22°29	18°55	23°42	24°13	6°13	11°16	13°15	14°40	13°38	n.a.	S 5
S 6	13 56 52	29°36'05	23°18	18°57	28°41	23°11	18°51	23°49	24°15	6°13	11°15	13°16	14°37	13°45	n.a.	S 6
M 7	14 0 49	0♉33'10	5♌29	20°38	29°53	23°54	18°47	23°56	24°17	6°13	11°14	13°R16	14°33	13°52	n.a.	M 7
T 8	14 4 45	1°30'14	17°30	22°16	1♊ 5	24°36	18°43	24° 3	24°18	6°14	11°13	13°15	14°30	13°58	n.a.	T 8
W 9	14 8 42	2°27'18	29°24	23°51	2°17	25°19	18°39	24° 9	24°20	6°14	11°12	13°12	14°27	14° 5	n.a.	W 9
T 10	14 12 38	3°24'21	11♍16	25°25	3°29	26° 1	18°35	24°16	24°22	6°14	11°11	13° 7	14°24	14°12	n.a.	T 10
F 11	14 16 35	4°21'24	23°10	26°55	4°41	26°44	18°32	24°23	24°23	6°14	11° 9	13° 1	14°21	14°19	n.a.	F 11
S 12	14 20 31	5°18'26	5♎ 9	28°24	5°53	27°26	18°28	24°29	24°25	6°15	11° 8	12°55	14°18	14°25	n.a.	S 12
S 13	14 24 28	6°15'28	17°15	29°49	7° 4	28° 8	18°25	24°36	24°27	6°15	11° 7	12°48	14°14	14°32	n.a.	S 13
M14	14 28 25	7°12'30	29°29	1♊13	8°16	28°50	18°22	24°43	24°28	6°15	11° 6	12°42	14°11	14°39	n.a.	M14
T 15	14 32 21	8° 9'31	11♏54	2°33	9°28	29°32	18°19	24°49	24°30	6°16	11° 5	12°38	14° 8	14°46	n.a.	T 15
W16	14 36 18	9° 6'33	24°30	3°51	10°40	0♈14	18°17	24°56	24°31	6°16	11° 4	12°35	14° 5	14°52	n.a.	W16
T 17	14 40 14	10° 3'35	7♐18	5° 6	11°51	0°56	18°14	25° 2	24°32	6°17	11° 3	12°D33	14° 2	14°59	n.a.	T 17
F 18	14 44 11	11° 0'37	20°17	6°19	13° 3	1°38	18°12	25° 8	24°34	6°17	11° 2	12°33	13°58	15° 6	n.a.	F 18
S 19	14 48 7	11°57'39	3♑30	7°29	14°14	2°20	18°10	25°14	24°35	6°18	11° 0	12°34	13°55	15°12	n.a.	S 19
S 20	14 52 4	12°54'41	16°57	8°36	15°26	3° 2	18° 8	25°21	24°36	6°18	10°59	12°36	13°52	15°19	n.a.	S 20
M21	14 56 1	13°51'44	0♒39	9°40	16°37	3°44	18° 6	25°27	24°37	6°19	10°58	12°37	13°49	15°26	n.a.	M21
T 22	14 59 57	14°48'47	14°35	10°41	17°49	4°25	18° 4	25°33	24°39	6°19	10°57	12°R38	13°46	15°33	n.a.	T 22
W23	15 3 54	15°45'51	28°46	11°39	19° 0	5° 7	18° 3	25°39	24°40	6°20	10°55	12°37	13°43	15°39	n.a.	W23
T 24	15 7 50	16°42'55	13♓ 9	12°33	20°11	5°48	18° 2	25°45	24°41	6°21	10°54	12°36	13°39	15°46	n.a.	T 24
F 25	15 11 47	17°40'00	27°41	13°25	21°23	6°30	18° 1	25°51	24°42	6°21	10°53	12°33	13°36	15°53	n.a.	F 25
S 26	15 15 43	18°37'05	12♈17	14°13	22°34	7°11	18° 0	25°57	24°43	6°22	10°52	12°30	13°33	16° 0	n.a.	S 26
S 27	15 19 40	19°34'10	26°52	14°57	23°45	7°53	17°59	26° 2	24°44	6°23	10°50	12°27	13°30	16° 6	n.a.	S 27
M28	15 23 36	20°31'16	11♉18	15°38	24°56	8°34	17°59	26° 8	24°45	6°24	10°49	12°24	13°27	16°13	n.a.	M28
T 29	15 27 33	21°28'23	25°30	16°15	26° 7	9°15	17°58	26°14	24°45	6°25	10°48	12°22	13°23	16°20	n.a.	T 29
W30	15 31 30	22°25'30	9♊23	16°48	27°18	9°56	17°D58	26°19	24°46	6°25	10°46	12°D22	13°20	16°26	n.a.	W30
T 31	15 35 26	23♉22'37	22♊55	17♊16	28♊29	10♈37	17♍58	26♓25	24♒47	6♌26	10♐45	12♊22	13♊17	16♍33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
T 1	9n48	15n 7	2s16	16n58	1n59	20n 2	1n17	5s 8	1s 3	5n52	1n40	4s55	2s23	14s28	0s47	20n17	1n16	25s24	2s52	22n49	23n 1	11n27			n.a.	T 1
W 2	10 9	19 45	1 4	17 37	2 3	20 22	1 19	4 51	1 2	5 54	1 40	4 52	2 23	14 28	0 47	20 17	1 16	25 24	2 52	22 49	23 1	11 25			n.a.	W 2
T 3	10 30	23 10	0n 9	18 15	2 6	20 43	1 21	4 34	1 2	5 56	1 39	4 49	2 23	14 27	0 47	20 17	1 16	25 24	2 52	22 49	23 0	11 22			n.a.	T 3
F 4	10 51	25 12	1 19	18 50	2 8	21 2	1 23	4 16	1 2	5 57	1 39	4 47	2 23	14 27	0 47	20 17	1 16	25 24	2 52	22 49	23 0	11 19			n.a.	F 4
S 5	11 12	25 49	2 24	19 22	2 10	21 21	1 25	3 59	1 1	5 59	1 39	4 44	2 23	14 26	0 47	20 17	1 16	25 24	2 52	22 49	22 59	11 17			n.a.	S 5
S 6	11 32	25 7	3 19	19 53	2 11	21 40	1 27	3 41	1 1	6 0	1 39	4 41	2 23	14 25	0 47	20 17	1 15	25 24	2 52	22 49	22 59	11 14			n.a.	S 6
M 7	11 53	23 12	4 5	20 21	2 12	21 57	1 29	3 24	1 1	6 2	1 38	4 39	2 23	14 25	0 47	20 17	1 15	25 24	2 52	22 49	22 59	11 12			n.a.	M 7
T 8	12 13	20 18	4 39	20 47	2 11	22 15	1 31	3 6	1 0	6 3	1 38	4 36	2 24	14 24	0 47	20 17	1 15	25 24	2 53	22 49	22 58	11 9			n.a.	T 8
W 9	12 33	16 34	5 1	21 11	2 10	22 31	1 33	2 49	1 0	6 4	1 38	4 33	2 24	14 24	0 47	20 17	1 15	25 24	2 53	22 49	22 58	11 6			n.a.	W 9
T 10	12 53	12 13	5 9	21 33	2 9	22 47	1 34	2 31	1 0	6 5	1 38	4 31	2 24	14 23	0 47	20 17	1 15	25 24	2 53	22 48	22 58	11 4			n.a.	T 10
F 11	13 13	7 24	5 5	21 53	2 6	23 3	1 36	2 14	0 59	6 6	1 37	4 28	2 24	14 23	0 47	20 17	1 15	25 24	2 53	22 47	22 57	11 1			n.a.	F 11
S 12	13 32	2 17	4 47	22 11	2 3	23 18	1 38	1 56	0 59	6 8	1 37	4 26	2 24	14 22	0 47	20 17	1 15	25 24	2 53	22 47	22 57	10 58			n.a.	S 12
S 13	13 52	2s58	4 16	22 26	1 59	23 32	1 39	1 39	0 58	6 9	1 37	4 23	2 24	14 22	0 47	20 17	1 15	25 23	2 53	22 46	22 56	10 56			n.a.	S 13
M14	14 11	8 11	3 33	22 40	1 55	23 45	1 41	1 21	0 58	6 9	1 36	4 21	2 25	14 21	0 47	20 17	1 15	25 23	2 53	22 45	22 56	10 53			n.a.	M14
T 15	14 29	13 10	2 39	22 52	1 50	23 58	1 42	1 4	0 58	6 10	1 36	4 18	2 25	14 21	0 47	20 16	1 15	25 23	2 54	22 44	22 56	10 50			n.a.	T 15
W16	14 48	17 41	1 37	23 2	1 45	24 10	1 43	0 46	0 57	6 11	1 36	4 16	2 25	14 20	0 47	20 16	1 15	25 23	2 54	22 44	22 55	10 48			n.a.	W16
T 17	15 7	21 28	0 29	23 10	1 38	24 22	1 45	0 29	0 57	6 12	1 35	4 13	2 25	14 20	0 47	20 16	1 15	25 23	2 54	22 44	22 55	10 45			n.a.	T 17
F 18	15 25	24 14	0s42	23 16	1 31	24 33	1 46	0 12	0 56	6 12	1 35	4 11	2 25	14 19	0 47	20 16	1 15	25 23	2 54	22 44	22 55	10 42			n.a.	F 18
S 19	15 43	25 43	1 52	23 21	1 24	24 43	1 47	0n 6	0 56	6 13	1 35	4 9	2 25	14 19	0 47	20 16	1 15	25 23	2 54	22 44	22 54	10 40			n.a.	S 19
S 20	16 0	25 43	2 57	23 24	1 16	24 52	1 48	0 23	0 56	6 13	1 35	4 6	2 26	14 19	0 47	20 16	1 15	25 23	2 54	22 44	22 54	10 37			n.a.	S 20
M21	16 18	24 11	3 53	23 26	1 7	25 1	1 49	0 40	0 55	6 14	1 34	4 4	2 26	14 18	0 47	20 15	1 15	25 23	2 54	22 44	22 53	10 34			n.a.	M21
T 22	16 35	21 10	4 37	23 26	0 58	25 9	1 50	0 57	0 55	6 14	1 34	4 2	2 26	14 18	0 47	20 15	1 15	25 23	2 54	22 44	22 53	10 31			n.a.	T 22
W23	16 52	16 52	5 4	23 24	0 48	25 16	1 51	1 14	0 54	6 15	1 34	3 59	2 26	14 17	0 47	20 15	1 15	25 23	2 55	22 44	22 53	10 29			n.a.	W23
T 24	17 9	11 33	5 13	23 21	0 38	25 22	1 51	1 32	0 54	6 15	1 33	3 57	2 26	14 17	0 47	20 15	1 15	25 23	2 55	22 44	22 52	10 26			n.a.	T 24
F 25	17 25	5 33	5 3	23 17	0 27	25 28	1 52	1 49	0 53	6 15	1 33	3 55	2 27	14 17	0 48	20 15	1 15	25 23	2 55	22 44	22 52	10 23			n.a.	F 25
S 26	17 41	0n47	4 32	23 12	0 16	25 33	1 53	2 6	0 53	6 15	1 33	3 53	2 27	14 17	0 48	20 14	1 15	25 23	2 55	22 43	22 51	10 21			n.a.	S 26
S 27	17 57	7 4	3 44	23 5	0 4	25 38	1 53	2 23	0 52	6 15	1 32	3 51	2 27	14 16	0 48	20 14	1 15	25 23	2 55	22 43	22 51	10 18			n.a.	S 27
M28	18 13	12 56	2 43	22 58	0s 8	25 41	1 54	2 40	0 52	6 15	1 32	3 48	2 27	14 16	0 48	20 14	1 15	25 23	2 55	22 43	22 51	10 15			n.a.	M28
T 29	18 28	18 1	1 32	22 49	0 21	25 44	1 54	2 57	0 52	6 15	1 32	3 46	2 27	14 16	0 48	20 14	1 15	25 23	2 55	22 42	22 50	10 13			n.a.	T 29
W30	18 43	22 0	0 16	22 39	0 34	25 46	1 54	3 14	0 51	6 14	1 31	3 44	2 28	14 16	0 48	20 13	1 15	25 23	2 55	22 42	22 50	10 10			n.a.	W30
T 31	18n58	24n40	0n58	22n28	0s48	25n47	1n55	3n30	0s51	6n14	1n31	3s42	2s28	14s15	0s48	20n13	1n15	25s22	2s56	22n42	22n49	10n 7			n.a.	T 31

Julian Day Number = 1106462.5, Delta T = 10h57m08s
Ecliptic obliquity = 23°53'30, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'52, Lahiri = -27°10'52 Julian Calendar 1 May 1684 BCE == Greg. Calendar 17 Apr. 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

JUNE 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 39 23	24♉19'45	6♋ 4	17♊41	29♊40	11♈18	17♍58	26♓30	24♒48	6♌27	10°R44	12♊23	13♊14	16♍40	n.a.	F 1
S 2	15 43 19	25°16'53	18°52	18° 1	0♋51	11°59	17°59	26°36	24°48	6°28	10♐42	12°24	13°11	16°47	n.a.	S 2
S 3	15 47 16	26°14'01	1♌21	18°16	2° 2	12°40	17°59	26°41	24°49	6°29	10°41	12°25	13° 8	16°53	n.a.	S 3
M 4	15 51 12	27°11'10	13°35	18°27	3°13	13°21	18° 0	26°46	24°49	6°30	10°40	12°26	13° 4	17° 0	n.a.	M 4
T 5	15 55 9	28° 8'19	25°37	18°33	4°23	14° 1	18° 1	26°51	24°50	6°31	10°38	12°R27	13° 1	17° 7	n.a.	T 5
W 6	15 59 6	29° 5'28	7♍33	18°R34	5°34	14°42	18° 2	26°56	24°50	6°32	10°37	12°27	12°58	17°14	n.a.	W 6
T 7	16 3 2	0♊ 2'38	19°26	18°31	6°45	15°22	18° 4	27° 1	24°51	6°33	10°36	12°26	12°55	17°20	n.a.	T 7
F 8	16 6 59	0°59'48	1♎22	18°22	7°55	16° 3	18° 5	27° 6	24°51	6°34	10°34	12°25	12°52	17°27	n.a.	F 8
S 9	16 10 55	1°56'59	13°23	18° 9	9° 6	16°43	18° 7	27°11	24°51	6°36	10°33	12°23	12°49	17°34	n.a.	S 9
S 10	16 14 52	2°54'10	25°35	17°50	10°16	17°24	18° 9	27°16	24°52	6°37	10°31	12°22	12°45	17°40	n.a.	S 10
M11	16 18 48	3°51'22	7♏58	17°27	11°26	18° 4	18°11	27°20	24°52	6°38	10°30	12°21	12°42	17°47	n.a.	M11
T 12	16 22 45	4°48'35	20°36	17° 0	12°37	18°44	18°13	27°25	24°52	6°39	10°29	12°20	12°39	17°54	n.a.	T 12
W13	16 26 41	5°45'48	3♐29	16°29	13°47	19°24	18°15	27°30	24°52	6°41	10°27	12°20	12°36	18° 1	n.a.	W13
T 14	16 30 38	6°43'03	16°38	15°54	14°57	20° 4	18°18	27°34	24°52	6°42	10°26	12°D20	12°33	18° 7	n.a.	T 14
F 15	16 34 35	7°40'18	0♑ 1	15°15	16° 7	20°44	18°21	27°38	24°R52	6°43	10°24	12°20	12°29	18°14	n.a.	F 15
S 16	16 38 31	8°37'35	13°38	14°34	17°17	21°24	18°24	27°43	24°52	6°45	10°23	12°20	12°26	18°21	n.a.	S 16
S 17	16 42 28	9°34'53	27°27	13°51	18°27	22° 4	18°27	27°47	24°52	6°46	10°21	12°20	12°23	18°27	n.a.	S 17
M18	16 46 24	10°32'12	11♒26	13° 7	19°37	22°44	18°30	27°51	24°52	6°47	10°20	12°21	12°20	18°34	n.a.	M18
T 19	16 50 21	11°29'32	25°32	12°22	20°46	23°23	18°33	27°55	24°52	6°49	10°19	12°21	12°17	18°41	n.a.	T 19
W20	16 54 17	12°26'53	9♓44	11°38	21°56	24° 3	18°37	27°59	24°51	6°50	10°17	12°21	12°14	18°48	n.a.	W20
T 21	16 58 14	13°24'17	23°59	10°54	23° 5	24°43	18°41	28° 2	24°51	6°52	10°16	12°21	12°10	18°54	n.a.	T 21
F 22	17 2 11	14°21'41	8♈14	10°13	24°15	25°22	18°44	28° 6	24°51	6°53	10°14	12°21	12° 7	19° 1	n.a.	F 22
S 23	17 6 7	15°19'07	22°27	9°34	25°24	26° 1	18°49	28°10	24°50	6°55	10°13	12°21	12° 4	19° 8	n.a.	S 23
S 24	17 10 4	16°16'34	6♉34	8°59	26°34	26°41	18°53	28°13	24°50	6°56	10°11	12°21	12° 1	19°15	n.a.	S 24
M25	17 14 0	17°14'03	20°33	8°27	27°43	27°20	18°57	28°17	24°50	6°58	10°10	12°22	11°58	19°21	n.a.	M25
T 26	17 17 57	18°11'34	4♊20	8° 1	28°52	27°59	19° 2	28°20	24°49	6°59	10° 9	12°22	11°55	19°28	n.a.	T 26
W27	17 21 53	19° 9'06	17°52	7°40	0♌ 1	28°38	19° 7	28°23	24°49	7° 1	10° 7	12°R22	11°51	19°35	n.a.	W27
T 28	17 25 50	20° 6'39	1♋ 9	7°25	1°10	29°17	19°11	28°26	24°48	7° 3	10° 6	12°22	11°48	19°41	n.a.	T 28
F 29	17 29 46	21° 4'13	14° 9	7°16	2°19	29°56	19°16	28°30	24°47	7° 4	10° 4	12°21	11°45	19°48	n.a.	F 29
S 30	17 33 43	22♊ 1'49	26♋51	7°D14	3♌28	0♉35	19♍22	28♓33	24♒47	7♌ 6	10♐ 3	12♊20	11♊42	19♍55	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n13	25n52	2n 7	22n17	1s 2	25n48	1n55	3n47	0s50	6n14	1n31	3s40	2s28	14s15	0s48	20n13	1n15	25s22	2s56	22n42	22n49	10n 4		n.a.
S 2	19 27	25 38	3 8	22 4	1 16	25 48	1 55	4 4	0 50	6 13	1 30	3 38	2 28	14 15	0 48	20 13	1 15	25 22	2 56	22 43	22 49	10 2		n.a.
S 3	19 40	24 6	3 58	21 51	1 31	25 47	1 55	4 21	0 49	6 13	1 30	3 36	2 28	14 15	0 48	20 12	1 15	25 22	2 56	22 43	22 48	9 59		n.a.
M 4	19 54	21 28	4 37	21 38	1 45	25 45	1 54	4 37	0 49	6 12	1 30	3 34	2 29	14 15	0 48	20 12	1 15	25 22	2 56	22 43	22 48	9 56		n.a.
T 5	20 7	17 57	5 2	21 24	2 0	25 43	1 54	4 54	0 48	6 11	1 29	3 33	2 29	14 14	0 48	20 12	1 15	25 22	2 56	22 43	22 47	9 53		n.a.
W 6	20 20	13 45	5 15	21 9	2 15	25 40	1 54	5 10	0 48	6 11	1 29	3 31	2 29	14 14	0 48	20 11	1 15	25 22	2 56	22 43	22 47	9 51		n.a.
T 7	20 33	9 3	5 14	20 54	2 29	25 36	1 53	5 27	0 47	6 10	1 29	3 29	2 29	14 14	0 48	20 11	1 15	25 22	2 56	22 43	22 47	9 48		n.a.
F 8	20 45	4 0	4 59	20 39	2 44	25 32	1 53	5 43	0 46	6 9	1 28	3 27	2 30	14 14	0 48	20 11	1 14	25 22	2 56	22 43	22 46	9 45		n.a.
S 9	20 57	1s14	4 31	20 24	2 58	25 26	1 52	5 59	0 46	6 8	1 28	3 25	2 30	14 14	0 48	20 11	1 14	25 22	2 57	22 42	22 46	9 42		n.a.
S 10	21 8	6 30	3 51	20 8	3 12	25 20	1 51	6 15	0 45	6 7	1 28	3 24	2 30	14 14	0 48	20 10	1 14	25 22	2 57	22 42	22 45	9 40		n.a.
M11	21 19	11 37	2 59	19 53	3 25	25 14	1 51	6 32	0 45	6 6	1 28	3 22	2 30	14 14	0 48	20 10	1 14	25 21	2 57	22 42	22 45	9 37		n.a.
T 12	21 30	16 21	1 57	19 38	3 37	25 6	1 50	6 48	0 44	6 5	1 27	3 20	2 30	14 14	0 48	20 10	1 14	25 21	2 57	22 42	22 45	9 34		n.a.
W13	21 40	20 27	0 49	19 24	3 49	24 58	1 49	7 4	0 44	6 3	1 27	3 19	2 31	14 14	0 48	20 9	1 14	25 21	2 57	22 42	22 44	9 31		n.a.
T 14	21 50	23 36	0s24	19 10	3 59	24 49	1 48	7 19	0 43	6 2	1 27	3 17	2 31	14 14	0 48	20 9	1 14	25 21	2 57	22 42	22 44	9 29		n.a.
F 15	22 0	25 30	1 36	18 56	4 9	24 39	1 46	7 35	0 43	6 1	1 26	3 16	2 31	14 14	0 48	20 8	1 14	25 21	2 57	22 42	22 43	9 26		n.a.
S 16	22 9	25 55	2 45	18 44	4 17	24 29	1 45	7 51	0 42	5 59	1 26	3 14	2 31	14 14	0 48	20 8	1 14	25 21	2 57	22 42	22 43	9 23		n.a.
S 17	22 18	24 44	3 45	18 32	4 23	24 18	1 44	8 7	0 42	5 58	1 26	3 13	2 32	14 14	0 48	20 8	1 14	25 21	2 57	22 42	22 42	9 20		n.a.
M18	22 27	22 1	4 32	18 22	4 28	24 7	1 42	8 22	0 41	5 56	1 25	3 11	2 32	14 14	0 49	20 7	1 14	25 21	2 57	22 42	22 42	9 17		n.a.
T 19	22 35	17 59	5 3	18 13	4 32	23 55	1 41	8 38	0 40	5 55	1 25	3 10	2 32	14 14	0 49	20 7	1 14	25 20	2 57	22 42	22 42	9 15		n.a.
W20	22 43	12 56	5 16	18 5	4 33	23 42	1 39	8 53	0 40	5 53	1 25	3 9	2 33	14 15	0 49	20 7	1 14	25 20	2 58	22 42	22 41	9 12		n.a.
T 21	22 50	7 10	5 10	18 0	4 33	23 28	1 37	9 8	0 39	5 51	1 24	3 7	2 33	14 15	0 49	20 6	1 14	25 20	2 58	22 42	22 41	9 9		n.a.
F 22	22 57	1 2	4 45	17 55	4 32	23 14	1 35	9 24	0 39	5 49	1 24	3 6	2 33	14 15	0 49	20 6	1 14	25 20	2 58	22 42	22 40	9 6		n.a.
S 23	23 4	5n 9	4 3	17 53	4 28	22 59	1 33	9 39	0 38	5 47	1 24	3 5	2 33	14 15	0 49	20 5	1 14	25 20	2 58	22 42	22 40	9 4		n.a.
S 24	23 10	11 3	3 6	17 53	4 23	22 44	1 31	9 54	0 37	5 45	1 23	3 4	2 34	14 15	0 49	20 5	1 14	25 20	2 58	22 42	22 39	9 1		n.a.
M25	23 16	16 20	1 58	17 55	4 16	22 28	1 29	10 9	0 37	5 43	1 23	3 2	2 34	14 15	0 49	20 4	1 14	25 20	2 58	22 42	22 39	8 58		n.a.
T 26	23 21	20 41	0 44	17 59	4 8	22 11	1 27	10 24	0 36	5 41	1 23	3 1	2 34	14 16	0 49	20 4	1 14	25 19	2 58	22 42	22 39	8 55		n.a.
W27	23 26	23 50	0n30	18 5	3 58	21 54	1 24	10 38	0 35	5 39	1 23	3 0	2 34	14 16	0 49	20 4	1 14	25 19	2 58	22 42	22 38	8 52		n.a.
T 28	23 31	25 35	1 42	18 14	3 47	21 36	1 22	10 53	0 35	5 37	1 22	2 59	2 35	14 16	0 49	20 3	1 14	25 19	2 58	22 42	22 38	8 50		n.a.
F 29	23 35	25 53	2 47	18 24	3 35	21 18	1 19	11 8	0 34	5 34	1 22	2 58	2 35	14 16	0 49	20 3	1 14	25 19	2 58	22 42	22 37	8 47		n.a.
S 30	23n39	24n48	3n42	18n36	3s22	20n59	1n17	11n22	0s34	5n32	1n22	2s57	2s35	14s17	0s49	20n 2	1n14	25s19	2s58	22n42	22n37	8n44		n.a.

Julian Day Number = 1106493.5, Delta T = 10h57m06s
Ecliptic obliquity = 23°53'29, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'48, Lahiri = -27°10'48 Julian Calendar 1 June 1684 BCE == Greg. Calendar 18 May 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

JULY 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 37 40	22♊59'26	9♌18	7♊19	4♌37	1♉14	19♍27	28♓35	24°R46	7♌ 8	10°R 2	12°R18	11♊39	20♍ 2	n.a.	S 1
M 2	17 41 36	23°57'04	21°31	7°30	5°45	1°52	19°33	28°38	24♒45	7° 9	10♐ 0	12♊17	11°35	20° 8	n.a.	M 2
T 3	17 45 33	24°54'43	3♍33	7°49	6°54	2°31	19°38	28°41	24°44	7°11	9°59	12°16	11°32	20°15	n.a.	T 3
W 4	17 49 29	25°52'24	15°29	8°15	8° 2	3° 9	19°44	28°43	24°43	7°13	9°58	12°15	11°29	20°22	n.a.	W 4
T 5	17 53 26	26°50'06	27°22	8°48	9°10	3°48	19°50	28°46	24°42	7°15	9°56	12°D15	11°26	20°29	n.a.	T 5
F 6	17 57 22	27°47'49	9♎17	9°29	10°19	4°26	19°56	28°48	24°41	7°16	9°55	12°15	11°23	20°35	n.a.	F 6
S 7	18 1 19	28°45'33	21°19	10°16	11°27	5° 4	20° 2	28°50	24°40	7°18	9°54	12°16	11°20	20°42	n.a.	S 7
S 8	18 5 15	29°43'19	3♏33	11°10	12°35	5°42	20° 9	28°53	24°39	7°20	9°52	12°17	11°16	20°49	n.a.	S 8
M 9	18 9 12	0♋41'06	16° 1	12°11	13°42	6°21	20°15	28°55	24°38	7°22	9°51	12°19	11°13	20°55	n.a.	M 9
T 10	18 13 9	1°38'55	28°48	13°18	14°50	6°59	20°22	28°57	24°37	7°24	9°50	12°20	11°10	21° 2	n.a.	T 10
W11	18 17 5	2°36'45	11♐55	14°31	15°58	7°36	20°29	28°58	24°36	7°26	9°48	12°R20	11° 7	21° 9	n.a.	W11
T 12	18 21 2	3°34'37	25°22	15°50	17° 5	8°14	20°36	29° 0	24°35	7°28	9°47	12°20	11° 4	21°16	n.a.	T 12
F 13	18 24 58	4°32'31	9♑10	17°15	18°12	8°52	20°43	29° 2	24°33	7°30	9°46	12°18	11° 1	21°22	n.a.	F 13
S 14	18 28 55	5°30'26	23°14	18°44	19°19	9°30	20°50	29° 3	24°32	7°32	9°45	12°16	10°57	21°29	n.a.	S 14
S 15	18 32 51	6°28'24	7♒31	20°19	20°26	10° 7	20°57	29° 5	24°31	7°34	9°43	12°12	10°54	21°36	n.a.	S 15
M16	18 36 48	7°26'23	21°55	21°57	21°33	10°45	21° 5	29° 6	24°29	7°35	9°42	12° 9	10°51	21°43	n.a.	M16
T 17	18 40 44	8°24'24	6♓22	23°39	22°40	11°22	21°13	29° 7	24°28	7°37	9°41	12° 6	10°48	21°49	n.a.	T 17
W18	18 44 41	9°22'27	20°45	25°24	23°46	11°59	21°20	29° 8	24°26	7°39	9°40	12° 4	10°45	21°56	n.a.	W18
T 19	18 48 38	10°20'32	5♈ 2	27°13	24°53	12°37	21°28	29° 9	24°25	7°42	9°39	12°D 3	10°41	22° 3	n.a.	T 19
F 20	18 52 34	11°18'39	19°10	29° 3	25°59	13°14	21°36	29°10	24°23	7°44	9°37	12° 3	10°38	22° 9	n.a.	F 20
S 21	18 56 31	12°16'49	3♉ 7	0♋55	27° 5	13°51	21°44	29°11	24°22	7°46	9°36	12° 4	10°35	22°16	n.a.	S 21
S 22	19 0 27	13°15'01	16°52	2°49	28°11	14°28	21°53	29°11	24°20	7°48	9°35	12° 5	10°32	22°23	n.a.	S 22
M23	19 4 24	14°13'15	0♊25	4°44	29°17	15° 4	22° 1	29°12	24°18	7°50	9°34	12° 7	10°29	22°30	n.a.	M23
T 24	19 8 20	15°11'31	13°47	6°40	0♍22	15°41	22°10	29°12	24°17	7°52	9°33	12°R 7	10°26	22°36	n.a.	T 24
W25	19 12 17	16° 9'50	26°55	8°36	1°28	16°18	22°18	29°13	24°15	7°54	9°32	12° 6	10°22	22°43	n.a.	W25
T 26	19 16 13	17° 8'10	9♋52	10°33	2°33	16°54	22°27	29°13	24°13	7°56	9°31	12° 3	10°19	22°50	n.a.	T 26
F 27	19 20 10	18° 6'33	22°36	12°29	3°38	17°31	22°36	29°R13	24°11	7°58	9°30	11°59	10°16	22°56	n.a.	F 27
S 28	19 24 7	19° 4'57	5♌ 8	14°25	4°43	18° 7	22°45	29°13	24° 9	8° 0	9°29	11°53	10°13	23° 3	n.a.	S 28
S 29	19 28 3	20° 3'24	17°27	16°21	5°47	18°43	22°54	29°13	24° 8	8° 2	9°28	11°46	10°10	23°10	n.a.	S 29
M30	19 32 0	21° 1'52	29°36	18°16	6°52	19°20	23° 3	29°13	24° 6	8° 5	9°27	11°39	10° 7	23°17	n.a.	M30
T 31	19 35 56	22♋ 0'22	11♍36	20♋10	7♍56	19♉56	23♍12	29♓12	24♒ 4	8♌ 7	9♐26	11♊33	10♊ 3	23♍23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23n42	22n31	4n25	18n51	3s 8	20n40	1n14	11n36	0s33	5n30	1n21	2s56	2s35	14s17	0s49	20n 2	1n14	25s19	2s58	22n42	22n36	8n41			n.a.
M 2	23 45	19 15	4 55	19 7	2 54	20 20	1 11	11 51	0 32	5 27	1 21	2 56	2 36	14 17	0 49	20 1	1 14	25 19	2 58	22 42	22 36	8 38			n.a.
T 3	23 47	15 13	5 12	19 25	2 39	20 0	1 8	12 5	0 32	5 25	1 21	2 55	2 36	14 18	0 49	20 1	1 14	25 18	2 59	22 41	22 36	8 35			n.a.
W 4	23 50	10 39	5 15	19 44	2 23	19 39	1 5	12 19	0 31	5 22	1 20	2 54	2 36	14 18	0 49	20 0	1 14	25 18	2 59	22 41	22 35	8 33			n.a.
T 5	23 51	5 43	5 5	20 5	2 8	19 18	1 2	12 33	0 30	5 19	1 20	2 53	2 37	14 18	0 49	20 0	1 14	25 18	2 59	22 41	22 35	8 30			n.a.
F 6	23 52	0 33	4 41	20 27	1 52	18 56	0 59	12 47	0 30	5 17	1 20	2 53	2 37	14 19	0 49	19 59	1 14	25 18	2 59	22 41	22 34	8 27			n.a.
S 7	23 53	4s41	4 5	20 50	1 36	18 34	0 55	13 0	0 29	5 14	1 20	2 52	2 37	14 19	0 49	19 59	1 14	25 18	2 59	22 41	22 34	8 24			n.a.
S 8	23 53	9 50	3 18	21 13	1 20	18 11	0 52	13 14	0 28	5 11	1 19	2 51	2 37	14 19	0 49	19 58	1 14	25 18	2 59	22 42	22 33	8 21			n.a.
M 9	23 53	14 43	2 20	21 37	1 5	17 48	0 48	13 27	0 27	5 8	1 19	2 51	2 38	14 20	0 49	19 58	1 14	25 18	2 59	22 42	22 33	8 18			n.a.
T 10	23 53	19 4	1 14	22 1	0 49	17 24	0 45	13 41	0 27	5 5	1 19	2 50	2 38	14 20	0 49	19 57	1 14	25 17	2 59	22 42	22 32	8 16			n.a.
W11	23 52	22 36	0 2	22 24	0 35	17 0	0 41	13 54	0 26	5 2	1 19	2 50	2 38	14 21	0 49	19 57	1 14	25 17	2 59	22 42	22 32	8 13			n.a.
T 12	23 50	25 0	1s11	22 47	0 20	16 36	0 37	14 7	0 25	4 59	1 18	2 49	2 39	14 21	0 49	19 56	1 14	25 17	2 59	22 42	22 31	8 10			n.a.
F 13	23 49	25 56	2 22	23 10	0 6	16 11	0 33	14 20	0 25	4 56	1 18	2 49	2 39	14 22	0 49	19 56	1 14	25 17	2 59	22 42	22 31	8 7			n.a.
S 14	23 46	25 14	3 26	23 31	0n 7	15 46	0 29	14 33	0 24	4 53	1 18	2 49	2 39	14 22	0 49	19 55	1 14	25 17	2 59	22 41	22 31	8 4			n.a.
S 15	23 44	22 53	4 18	23 51	0 19	15 21	0 25	14 46	0 23	4 50	1 17	2 48	2 39	14 23	0 49	19 55	1 14	25 17	2 59	22 41	22 30	8 1			n.a.
M16	23 41	19 5	4 54	24 10	0 31	14 55	0 21	14 58	0 22	4 47	1 17	2 48	2 40	14 23	0 50	19 54	1 14	25 17	2 59	22 41	22 30	7 58			n.a.
T 17	23 37	14 9	5 12	24 26	0 42	14 29	0 17	15 11	0 22	4 43	1 17	2 48	2 40	14 24	0 50	19 54	1 14	25 16	2 59	22 40	22 29	7 56			n.a.
W18	23 33	8 27	5 10	24 41	0 52	14 3	0 13	15 23	0 21	4 40	1 17	2 48	2 40	14 24	0 50	19 53	1 14	25 16	2 59	22 40	22 29	7 53			n.a.
T 19	23 29	2 22	4 48	24 53	1 2	13 36	0 8	15 36	0 20	4 37	1 16	2 47	2 41	14 25	0 50	19 53	1 14	25 16	2 59	22 40	22 28	7 50			n.a.
F 20	23 24	3n48	4 10	25 3	1 10	13 9	0 4	15 48	0 19	4 33	1 16	2 47	2 41	14 25	0 50	19 52	1 14	25 16	2 59	22 40	22 28	7 47			n.a.
S 21	23 19	9 42	3 17	25 11	1 18	12 42	0s 1	16 0	0 19	4 30	1 16	2 47	2 41	14 26	0 50	19 52	1 14	25 16	2 59	22 40	22 27	7 44			n.a.
S 22	23 13	15 4	2 14	25 16	1 24	12 15	0 6	16 12	0 18	4 26	1 16	2 47	2 42	14 26	0 50	19 51	1 14	25 16	2 59	22 40	22 27	7 41			n.a.
M23	23 7	19 35	1 3	25 18	1 30	11 47	0 10	16 24	0 17	4 22	1 15	2 47	2 42	14 27	0 50	19 50	1 14	25 16	3 0	22 40	22 26	7 38			n.a.
T 24	23 0	23 2	0n 9	25 18	1 35	11 19	0 15	16 35	0 16	4 19	1 15	2 47	2 42	14 28	0 50	19 50	1 14	25 15	3 0	22 40	22 26	7 35			n.a.
W25	22 53	25 11	1 20	25 15	1 39	10 51	0 20	16 47	0 16	4 15	1 15	2 48	2 42	14 28	0 50	19 49	1 14	25 15	3 0	22 40	22 26	7 33			n.a.
T 26	22 46	25 56	2 25	25 10	1 42	10 22	0 25	16 58	0 15	4 11	1 15	2 48	2 43	14 29	0 50	19 49	1 14	25 15	3 0	22 40	22 25	7 30			n.a.
F 27	22 38	25 17	3 22	25 2	1 45	9 54	0 30	17 9	0 14	4 8	1 14	2 48	2 43	14 29	0 50	19 48	1 14	25 15	3 0	22 39	22 25	7 27			n.a.
S 28	22 30	23 21	4 8	24 52	1 47	9 25	0 35	17 20	0 13	4 4	1 14	2 48	2 43	14 30	0 50	19 48	1 14	25 15	3 0	22 38	22 24	7 24			n.a.
S 29	22 22	20 21	4 42	24 39	1 48	8 56	0 40	17 31	0 12	4 0	1 14	2 49	2 44	14 31	0 50	19 47	1 14	25 15	3 0	22 37	22 24	7 21			n.a.
M30	22 13	16 32	5 2	24 25	1 49	8 27	0 46	17 42	0 11	3 56	1 14	2 49	2 44	14 31	0 50	19 47	1 14	25 15	3 0	22 36	22 23	7 18			n.a.
T 31	22n 3	12n 5	5n 9	24n 8	1n48	7n58	0s51	17n53	0s11	3n52	1n13	2s49	2s44	14s32	0s50	19n46	1n14	25s15	3s 0	22n36	22n23	7n15			n.a.

Julian Day Number = 1106523.5, Delta T = 10h57m04s
Ecliptic obliquity = 23°53'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'44, Lahiri = -27°10'44 Julian Calendar 1 July 1684 BCE == Greg. Calendar 17 June 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

AUGUST 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 39 53	22♋58'54	23♍29	22♋ 4	9♍ 0	20♉32	23♍22	29°R12	24°R 2	8♌ 9	9°R25	11°R27	10♊ 0	23♍30	n.a.	W 1
T 2	19 43 49	23°57'27	5♎21	23°57	10° 4	21° 7	23°31	29♓11	24♒ 0	8°11	9♐24	11♊23	9°57	23°37	n.a.	T 2
F 3	19 47 46	24°56'03	17°14	25°48	11° 7	21°43	23°41	29°11	23°58	8°13	9°23	11°21	9°54	23°43	n.a.	F 3
S 4	19 51 42	25°54'40	29°13	27°39	12°11	22°19	23°51	29°10	23°56	8°15	9°22	11°D21	9°51	23°50	n.a.	S 4
S 5	19 55 39	26°53'20	11♏24	29°29	13°14	22°54	24° 1	29° 9	23°54	8°18	9°21	11°22	9°47	23°57	n.a.	S 5
M 6	19 59 35	27°52'01	23°52	1♌18	14°16	23°29	24°11	29° 8	23°51	8°20	9°20	11°23	9°44	24° 4	n.a.	M 6
T 7	20 3 32	28°50'44	6♐40	3° 6	15°19	24° 5	24°21	29° 7	23°49	8°22	9°20	11°R24	9°41	24°10	n.a.	T 7
W 8	20 7 29	29°49'29	19°52	4°53	16°21	24°40	24°31	29° 6	23°47	8°24	9°19	11°24	9°38	24°17	n.a.	W 8
T 9	20 11 25	0♌48'16	3♑31	6°39	17°23	25°15	24°41	29° 4	23°45	8°26	9°18	11°22	9°35	24°24	n.a.	T 9
F 10	20 15 22	1°47'06	17°35	8°24	18°24	25°50	24°51	29° 3	23°43	8°29	9°17	11°18	9°32	24°31	n.a.	F 10
S 11	20 19 18	2°45'57	2♒ 2	10° 8	19°26	26°25	25° 2	29° 1	23°41	8°31	9°16	11°11	9°28	24°37	n.a.	S 11
S 12	20 23 15	3°44'50	16°45	11°51	20°27	26°59	25°12	29° 0	23°38	8°33	9°16	11° 4	9°25	24°44	n.a.	S 12
M13	20 27 11	4°43'46	1♓37	13°33	21°27	27°34	25°23	28°58	23°36	8°35	9°15	10°55	9°22	24°51	n.a.	M13
T 14	20 31 8	5°42'43	16°30	15°14	22°28	28° 8	25°34	28°56	23°34	8°38	9°14	10°48	9°19	24°57	n.a.	T 14
W15	20 35 4	6°41'44	1♈14	16°54	23°28	28°43	25°44	28°54	23°32	8°40	9°14	10°41	9°16	25° 4	n.a.	W15
T 16	20 39 1	7°40'46	15°44	18°33	24°27	29°17	25°55	28°52	23°29	8°42	9°13	10°37	9°13	25°11	n.a.	T 16
F 17	20 42 58	8°39'51	29°56	20°11	25°26	29°51	26° 6	28°50	23°27	8°44	9°13	10°35	9° 9	25°18	n.a.	F 17
S 18	20 46 54	9°38'59	13♉48	21°48	26°25	0♊25	26°17	28°48	23°25	8°47	9°12	10°D35	9° 6	25°24	n.a.	S 18
S 19	20 50 51	10°38'09	27°22	23°25	27°24	0°59	26°28	28°45	23°22	8°49	9°12	10°35	9° 3	25°31	n.a.	S 19
M20	20 54 47	11°37'22	10♊38	25° 0	28°22	1°32	26°40	28°43	23°20	8°51	9°11	10°R36	9° 0	25°38	n.a.	M20
T 21	20 58 44	12°36'37	23°40	26°35	29°19	2° 6	26°51	28°40	23°18	8°53	9°11	10°35	8°57	25°44	n.a.	T 21
W22	21 2 40	13°35'55	6♋28	28° 9	0♎16	2°39	27° 2	28°38	23°15	8°55	9°10	10°32	8°53	25°51	n.a.	W22
T 23	21 6 37	14°35'15	19° 5	29°42	1°13	3°12	27°14	28°35	23°13	8°58	9°10	10°26	8°50	25°58	n.a.	T 23
F 24	21 10 33	15°34'38	1♌32	1♍14	2° 9	3°46	27°25	28°32	23°10	9° 0	9° 9	10°18	8°47	26° 5	n.a.	F 24
S 25	21 14 30	16°34'02	13°50	2°46	3° 5	4°19	27°37	28°29	23° 8	9° 2	9° 9	10° 7	8°44	26°11	n.a.	S 25
S 26	21 18 26	17°33'29	26° 0	4°17	4° 0	4°51	27°48	28°26	23° 6	9° 4	9° 9	9°54	8°41	26°18	n.a.	S 26
M27	21 22 23	18°32'58	8♍ 2	5°46	4°55	5°24	28° 0	28°23	23° 3	9° 7	9° 8	9°41	8°38	26°25	n.a.	M27
T 28	21 26 20	19°32'29	19°58	7°15	5°49	5°57	28°12	28°20	23° 1	9° 9	9° 8	9°29	8°34	26°31	n.a.	T 28
W29	21 30 16	20°32'02	1♎49	8°44	6°43	6°29	28°24	28°16	22°58	9°11	9° 8	9°18	8°31	26°38	n.a.	W29
T 30	21 34 13	21°31'37	13°39	10°11	7°36	7° 1	28°36	28°13	22°56	9°13	9° 8	9° 9	8°28	26°45	n.a.	T 30
F 31	21 38 9	22♌31'14	25♎30	11♍38	8♎28	7♊33	28♍48	28♓ 9	22♒53	9♌15	9♐ 7	9♊ 3	8♊25	26♍52	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	21n54	7n15	5n 2	23n49	1n48	7n29	0s56	18n 4	0s10	3n48	1n13	2s50	2s44	14s33	0s50	19n45	1n14	25s14	3s 0	22n35	22n22	7n12			n.a.
T 2	21 43	2 9	4 43	23 28	1 47	6 59	1 2	18 14	0 9	3 44	1 13	2 50	2 45	14 33	0 50	19 45	1 14	25 14	3 0	22 34	22 22	7 9			n.a.
F 3	21 33	3s 2	4 11	23 6	1 45	6 30	1 7	18 24	0 8	3 40	1 13	2 51	2 45	14 34	0 50	19 44	1 14	25 14	3 0	22 34	22 21	7 6			n.a.
S 4	21 22	8 10	3 28	22 42	1 43	6 0	1 13	18 35	0 7	3 36	1 13	2 51	2 45	14 35	0 50	19 44	1 14	25 14	3 0	22 34	22 21	7 4			n.a.
S 5	21 10	13 5	2 35	22 16	1 40	5 31	1 18	18 45	0 6	3 31	1 12	2 52	2 46	14 36	0 50	19 43	1 14	25 14	3 0	22 34	22 20	7 1			n.a.
M 6	20 59	17 35	1 33	21 49	1 37	5 1	1 24	18 55	0 5	3 27	1 12	2 53	2 46	14 36	0 50	19 42	1 14	25 14	3 0	22 34	22 20	6 58			n.a.
T 7	20 47	21 25	0 26	21 21	1 33	4 31	1 30	19 4	0 5	3 23	1 12	2 53	2 46	14 37	0 50	19 42	1 14	25 14	3 0	22 34	22 19	6 55			n.a.
W 8	20 34	24 15	0s45	20 51	1 29	4 1	1 36	19 14	0 4	3 19	1 12	2 54	2 46	14 38	0 50	19 41	1 14	25 14	3 0	22 34	22 19	6 52			n.a.
T 9	20 21	25 47	1 56	20 20	1 25	3 31	1 41	19 23	0 3	3 14	1 11	2 55	2 47	14 39	0 50	19 41	1 14	25 14	3 0	22 34	22 18	6 49			n.a.
F 10	20 8	25 43	3 2	19 48	1 21	3 2	1 47	19 33	0 2	3 10	1 11	2 56	2 47	14 39	0 50	19 40	1 14	25 13	3 0	22 33	22 18	6 46			n.a.
S 11	19 55	23 56	3 57	19 15	1 16	2 32	1 53	19 42	0 1	3 6	1 11	2 57	2 47	14 40	0 50	19 40	1 14	25 13	3 0	22 33	22 17	6 43			n.a.
S 12	19 41	20 31	4 39	18 41	1 11	2 2	1 59	19 51	0 0	3 1	1 11	2 58	2 47	14 41	0 50	19 39	1 14	25 13	3 0	22 31	22 17	6 40			n.a.
M13	19 27	15 46	5 1	18 7	1 5	1 32	2 5	20 0	0n 1	2 57	1 11	2 58	2 48	14 42	0 50	19 38	1 14	25 13	3 0	22 30	22 16	6 37			n.a.
T 14	19 12	10 4	5 4	17 31	1 0	1 3	2 11	20 9	0 2	2 52	1 10	2 59	2 48	14 42	0 50	19 38	1 14	25 13	3 0	22 29	22 16	6 34			n.a.
W15	18 57	3 52	4 46	16 55	0 54	0 33	2 17	20 18	0 3	2 48	1 10	3 1	2 48	14 43	0 50	19 37	1 14	25 13	3 0	22 28	22 15	6 31			n.a.
T 16	18 42	2n28	4 10	16 19	0 48	0 3	2 23	20 26	0 4	2 43	1 10	3 2	2 49	14 44	0 50	19 37	1 14	25 13	3 0	22 28	22 15	6 28			n.a.
F 17	18 26	8 33	3 20	15 42	0 42	0s26	2 30	20 34	0 5	2 39	1 10	3 3	2 49	14 45	0 50	19 36	1 14	25 13	3 0	22 27	22 14	6 26			n.a.
S 18	18 10	14 5	2 18	15 4	0 36	0 55	2 36	20 43	0 6	2 34	1 10	3 4	2 49	14 46	0 50	19 35	1 14	25 13	3 0	22 27	22 14	6 23			n.a.
S 19	17 54	18 48	1 10	14 26	0 29	1 25	2 42	20 51	0 7	2 29	1 9	3 5	2 49	14 46	0 50	19 35	1 14	25 13	3 0	22 27	22 13	6 20			n.a.
M20	17 37	22 28	0n 0	13 47	0 23	1 54	2 48	20 59	0 8	2 25	1 9	3 6	2 49	14 47	0 50	19 34	1 14	25 13	3 0	22 27	22 13	6 17			n.a.
T 21	17 21	24 53	1 9	13 8	0 16	2 23	2 54	21 7	0 9	2 20	1 9	3 7	2 50	14 48	0 50	19 34	1 14	25 13	3 0	22 27	22 12	6 14			n.a.
W22	17 3	25 57	2 13	12 29	0 9	2 52	3 1	21 14	0 10	2 15	1 9	3 9	2 50	14 49	0 50	19 33	1 14	25 12	3 0	22 27	22 12	6 11			n.a.
T 23	16 46	25 38	3 10	11 49	0 2	3 20	3 7	21 22	0 11	2 10	1 9	3 10	2 50	14 50	0 50	19 32	1 14	25 12	3 0	22 26	22 11	6 8			n.a.
F 24	16 28	24 1	3 56	11 10	0s 5	3 49	3 13	21 29	0 12	2 5	1 9	3 11	2 50	14 50	0 50	19 32	1 14	25 12	3 0	22 25	22 11	6 5			n.a.
S 25	16 10	21 18	4 31	10 30	0 12	4 17	3 19	21 37	0 13	2 1	1 8	3 13	2 51	14 51	0 50	19 31	1 14	25 12	3 0	22 23	22 10	6 2			n.a.
S 26	15 52	17 40	4 53	9 50	0 19	4 45	3 25	21 44	0 14	1 56	1 8	3 14	2 51	14 52	0 50	19 31	1 14	25 12	3 0	22 21	22 10	5 59			n.a.
M27	15 33	13 21	5 1	9 10	0 26	5 13	3 32	21 51	0 15	1 51	1 8	3 16	2 51	14 53	0 50	19 30	1 14	25 12	3 0	22 19	22 9	5 56			n.a.
T 28	15 14	8 34	4 56	8 29	0 34	5 41	3 38	21 58	0 16	1 46	1 8	3 17	2 51	14 54	0 50	19 30	1 14	25 12	3 0	22 17	22 9	5 53			n.a.
W29	14 55	3 30	4 39	7 49	0 41	6 8	3 44	22 5	0 17	1 41	1 8	3 19	2 51	14 54	0 50	19 29	1 14	25 12	3 0	22 16	22 8	5 50			n.a.
T 30	14 36	1s40	4 9	7 9	0 48	6 35	3 50	22 11	0 18	1 36	1 8	3 20	2 52	14 55	0 50	19 28	1 14	25 12	3 0	22 14	22 8	5 47			n.a.
F 31	14n16	6s49	3n29	6n29	0s55	7s 2	3s57	22n18	0n19	1n31	1n 7	3s22	2s52	14s56	0s50	19n28	1n14	25s12	3s 0	22n13	22n 7	5n44			n.a.

Julian Day Number = 1106554.5, Delta T = 10h57m02s
Ecliptic obliquity = 23°53'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'40, Lahiri = -27°10'39 Julian Calendar 1 Aug. 1684 BCE == Greg. Calendar 18 July 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

SEPTEMBER 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 42 6	23♌30'53	7♏27	13♍ 3	9♎20	8♊ 5	29♍ 0	28°R 6	22°R51	9♌18	9°R 7	9°R 0	8♊22	26♍58	n.a.	S 1
S 2	21 46 2	24°30'34	19°34	14°28	10°11	8°37	29°12	28♓ 2	22♒48	9°20	9♐ 7	8♊59	8°19	27° 5	n.a.	S 2
M 3	21 49 59	25°30'17	1♐56	15°52	11° 1	9° 8	29°24	27°59	22°46	9°22	9° 7	8°59	8°15	27°12	n.a.	M 3
T 4	21 53 55	26°30'02	14°39	17°15	11°51	9°40	29°36	27°55	22°44	9°24	9° 7	8°59	8°12	27°19	n.a.	T 4
W 5	21 57 52	27°29'49	27°48	18°37	12°40	10°11	29°49	27°51	22°41	9°26	9° 7	8°58	8° 9	27°25	n.a.	W 5
T 6	22 1 48	28°29'38	11♑26	19°58	13°28	10°42	0♎ 1	27°47	22°39	9°28	9°D 7	8°54	8° 6	27°32	n.a.	T 6
F 7	22 5 45	29°29'28	25°34	21°18	14°15	11°13	0°13	27°43	22°36	9°31	9° 7	8°48	8° 3	27°39	n.a.	F 7
S 8	22 9 42	0♍29'21	10♒ 9	22°36	15° 1	11°43	0°26	27°39	22°34	9°33	9° 7	8°40	7°59	27°45	n.a.	S 8
S 9	22 13 38	1°29'15	25° 8	23°54	15°47	12°14	0°38	27°35	22°32	9°35	9° 7	8°29	7°56	27°52	n.a.	S 9
M10	22 17 35	2°29'12	10♓19	25°10	16°31	12°44	0°51	27°31	22°29	9°37	9° 7	8°18	7°53	27°59	n.a.	M10
T 11	22 21 31	3°29'10	25°34	26°25	17°15	13°14	1° 4	27°26	22°27	9°39	9° 7	8° 7	7°50	28° 6	n.a.	T 11
W12	22 25 28	4°29'11	10♈40	27°38	17°57	13°44	1°16	27°22	22°24	9°41	9° 7	7°57	7°47	28°12	n.a.	W12
T 13	22 29 24	5°29'14	25°29	28°49	18°39	14°14	1°29	27°18	22°22	9°43	9° 8	7°51	7°44	28°19	n.a.	T 13
F 14	22 33 21	6°29'19	9♉55	29°58	19°19	14°44	1°42	27°13	22°20	9°45	9° 8	7°47	7°40	28°26	n.a.	F 14
S 15	22 37 17	7°29'27	23°55	1♎ 6	19°58	15°13	1°54	27° 9	22°17	9°47	9° 8	7°45	7°37	28°32	n.a.	S 15
S 16	22 41 14	8°29'37	7♊30	2°11	20°36	15°42	2° 7	27° 4	22°15	9°49	9° 8	7°45	7°34	28°39	n.a.	S 16
M17	22 45 10	9°29'49	20°41	3°14	21°13	16°11	2°20	27° 0	22°13	9°51	9° 9	7°45	7°31	28°46	n.a.	M17
T 18	22 49 7	10°30'04	3♋33	4°14	21°49	16°40	2°33	26°55	22°10	9°53	9° 9	7°43	7°28	28°53	n.a.	T 18
W19	22 53 4	11°30'21	16° 9	5°10	22°23	17° 8	2°46	26°50	22° 8	9°55	9° 9	7°40	7°24	28°59	n.a.	W19
T 20	22 57 0	12°30'40	28°33	6° 4	22°56	17°36	2°59	26°46	22° 6	9°57	9°10	7°33	7°21	29° 6	n.a.	T 20
F 21	23 0 57	13°31'01	10♌46	6°53	23°28	18° 4	3°12	26°41	22° 4	9°59	9°10	7°23	7°18	29°13	n.a.	F 21
S 22	23 4 53	14°31'24	22°52	7°38	23°58	18°32	3°25	26°36	22° 1	10° 1	9°11	7°11	7°15	29°19	n.a.	S 22
S 23	23 8 50	15°31'49	4♍53	8°19	24°26	19° 0	3°38	26°31	21°59	10° 3	9°11	6°57	7°12	29°26	n.a.	S 23
M24	23 12 46	16°32'16	16°49	8°54	24°53	19°27	3°51	26°26	21°57	10° 5	9°11	6°42	7° 9	29°33	n.a.	M24
T 25	23 16 43	17°32'45	28°41	9°23	25°18	19°54	4° 5	26°22	21°55	10° 7	9°12	6°27	7° 5	29°40	n.a.	T 25
W26	23 20 39	18°33'15	10♎32	9°45	25°41	20°21	4°18	26°17	21°53	10° 9	9°13	6°15	7° 2	29°46	n.a.	W26
T 27	23 24 36	19°33'47	22°22	10° 0	26° 3	20°47	4°31	26°12	21°51	10°10	9°13	6° 5	6°59	29°53	n.a.	T 27
F 28	23 28 33	20°34'21	4♏14	10°R 8	26°23	21°13	4°44	26° 7	21°49	10°12	9°14	5°58	6°56	29°59	n.a.	F 28
S 29	23 32 29	21°34'57	16°12	10° 6	26°41	21°39	4°58	26° 2	21°47	10°14	9°14	5°53	6°53	0♎ 6	n.a.	S 29
S 30	23 36 26	22♍35'34	28♏18	9♎56	26♎57	22♊ 5	5♎11	25♓57	21♒45	10♌16	9♐15	5♊52	6♊50	0♎13	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n56	11s45	2n39	5n49	1s 2	7s28	4s 3	22n24	0n20	1n26	1n 7	3s24	2s52	14s57	0s50	19n27	1n14	25s12	3s 0	22n13	22n 7	5n41		n.a.
S 2	13 36	16 20	1 41	5 10	1 9	7 54	4 9	22 30	0 21	1 21	1 7	3 25	2 52	14 58	0 50	19 27	1 14	25 12	3 0	22 13	22 6	5 38		n.a.
M 3	13 16	20 20	0 37	4 30	1 17	8 20	4 15	22 36	0 22	1 16	1 7	3 27	2 52	14 59	0 50	19 26	1 14	25 12	3 0	22 13	22 6	5 35		n.a.
T 4	12 55	23 29	0s30	3 51	1 24	8 45	4 21	22 42	0 23	1 11	1 7	3 29	2 53	14 59	0 50	19 26	1 14	25 12	3 0	22 13	22 5	5 32		n.a.
W 5	12 34	25 30	1 38	3 12	1 31	9 10	4 27	22 48	0 25	1 6	1 7	3 30	2 53	15 0	0 50	19 25	1 14	25 12	3 0	22 13	22 5	5 29		n.a.
T 6	12 13	26 5	2 42	2 33	1 37	9 35	4 33	22 54	0 26	1 0	1 6	3 32	2 53	15 1	0 50	19 24	1 14	25 12	3 0	22 12	22 4	5 26		n.a.
F 7	11 52	25 1	3 40	1 55	1 44	9 59	4 39	22 59	0 27	0 55	1 6	3 34	2 53	15 2	0 50	19 24	1 14	25 12	3 0	22 11	22 4	5 23		n.a.
S 8	11 30	22 16	4 24	1 18	1 51	10 23	4 45	23 5	0 28	0 50	1 6	3 36	2 53	15 3	0 50	19 23	1 14	25 12	3 0	22 10	22 3	5 20		n.a.
S 9	11 9	17 57	4 52	0 41	1 57	10 46	4 51	23 10	0 29	0 45	1 6	3 37	2 53	15 3	0 50	19 23	1 14	25 12	3 0	22 8	22 3	5 17		n.a.
M10	10 47	12 27	5 0	0 4	2 4	11 9	4 56	23 15	0 30	0 40	1 6	3 39	2 54	15 4	0 50	19 22	1 14	25 12	3 0	22 6	22 2	5 14		n.a.
T 11	10 25	6 10	4 46	0s32	2 10	11 31	5 2	23 20	0 32	0 34	1 6	3 41	2 54	15 5	0 50	19 22	1 14	25 12	3 0	22 4	22 2	5 11		n.a.
W12	10 3	0n26	4 13	1 6	2 16	11 53	5 7	23 25	0 33	0 29	1 6	3 43	2 54	15 6	0 50	19 21	1 14	25 12	3 0	22 3	22 1	5 8		n.a.
T 13	9 40	6 53	3 23	1 41	2 21	12 14	5 13	23 30	0 34	0 24	1 6	3 45	2 54	15 6	0 50	19 21	1 14	25 12	3 0	22 2	22 1	5 5		n.a.
F 14	9 18	12 50	2 21	2 14	2 27	12 35	5 18	23 35	0 35	0 19	1 5	3 47	2 54	15 7	0 50	19 20	1 14	25 12	3 0	22 1	22 0	5 2		n.a.
S 15	8 55	17 56	1 12	2 46	2 32	12 55	5 23	23 40	0 37	0 13	1 5	3 49	2 54	15 8	0 50	19 20	1 14	25 12	3 0	22 1	22 0	4 59		n.a.
S 16	8 32	21 57	0 1	3 16	2 37	13 15	5 28	23 44	0 38	0 8	1 5	3 51	2 54	15 9	0 50	19 19	1 14	25 12	3 0	22 1	21 59	4 56		n.a.
M17	8 9	24 41	1n 8	3 46	2 41	13 33	5 33	23 48	0 39	0 3	1 5	3 52	2 54	15 10	0 50	19 18	1 14	25 12	3 0	22 1	21 59	4 53		n.a.
T 18	7 46	26 2	2 12	4 13	2 45	13 52	5 38	23 53	0 40	0s 3	1 5	3 54	2 54	15 10	0 50	19 18	1 14	25 12	3 0	22 1	21 58	4 50		n.a.
W19	7 23	26 0	3 8	4 40	2 48	14 9	5 43	23 57	0 42	0 8	1 5	3 56	2 55	15 11	0 50	19 17	1 14	25 12	3 0	22 0	21 58	4 47		n.a.
T 20	6 59	24 39	3 54	5 4	2 51	14 26	5 47	24 1	0 43	0 13	1 5	3 58	2 55	15 12	0 50	19 17	1 15	25 12	3 0	21 59	21 57	4 44		n.a.
F 21	6 36	22 9	4 28	5 26	2 53	14 42	5 51	24 5	0 44	0 19	1 5	4 0	2 55	15 12	0 50	19 16	1 15	25 12	3 0	21 57	21 56	4 41		n.a.
S 22	6 12	18 42	4 50	5 45	2 55	14 57	5 56	24 9	0 46	0 24	1 4	4 2	2 55	15 13	0 50	19 16	1 15	25 12	3 0	21 55	21 56	4 38		n.a.
S 23	5 49	14 31	4 59	6 2	2 56	15 11	5 59	24 13	0 47	0 30	1 4	4 4	2 55	15 14	0 50	19 15	1 15	25 13	3 0	21 53	21 55	4 35		n.a.
M24	5 25	9 49	4 55	6 16	2 56	15 25	6 3	24 16	0 49	0 35	1 4	4 6	2 55	15 15	0 50	19 15	1 15	25 13	3 0	21 50	21 55	4 32		n.a.
T 25	5 1	4 46	4 38	6 27	2 55	15 38	6 6	24 20	0 50	0 40	1 4	4 8	2 55	15 15	0 50	19 14	1 15	25 13	3 0	21 48	21 54	4 29		n.a.
W26	4 37	0s27	4 8	6 34	2 53	15 49	6 10	24 23	0 51	0 46	1 4	4 10	2 55	15 16	0 50	19 14	1 15	25 13	3 0	21 46	21 54	4 26		n.a.
T 27	4 12	5 39	3 28	6 37	2 49	16 0	6 12	24 27	0 53	0 51	1 4	4 12	2 55	15 17	0 50	19 13	1 15	25 13	3 0	21 44	21 53	4 23		n.a.
F 28	3 48	10 41	2 39	6 36	2 45	16 10	6 15	24 30	0 54	0 57	1 4	4 14	2 55	15 17	0 50	19 13	1 15	25 13	3 0	21 42	21 53	4 20		n.a.
S 29	3 24	15 22	1 42	6 30	2 39	16 19	6 17	24 33	0 56	1 2	1 4	4 16	2 55	15 18	0 50	19 13	1 15	25 13	3 0	21 42	21 52	4 17		n.a.
S 30	3n 0	19s30	0n40	6s19	2s31	16s27	6s19	24n36	0n57	1s 8	1n 4	4s18	2s55	15s19	0s50	19n12	1n15	25s13	3s 0	21n41	21n52	4n14		n.a.

Julian Day Number = 1106585.5, Delta T = 10h57m00s
Ecliptic obliquity = 23°53'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'36, Lahiri = -27°10'35 Julian Calendar 1 Sept. 1684 BCE == Greg. Calendar 18 Aug. 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

OCTOBER 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 40 22	23♍36'12	10♐38	9°R35	27♎10	22♊30	5♎24	25°R52	21°R43	10♑18	9♐16	5°D51	6♊46	0♎20	n.a.	M 1
T 2	23 44 19	24°36'52	23°16	9♎ 5	27°22	22°56	5°38	25♓47	21♒41	10°19	9°17	5°R52	6°43	0°27	n.a.	T 2
W 3	23 48 15	25°37'33	6♑18	8°24	27°31	23°20	5°51	25°42	21°39	10°21	9°17	5♊51	6°40	0°33	n.a.	W 3
T 4	23 52 12	26°38'16	19°47	7°33	27°39	23°45	6° 4	25°37	21°37	10°23	9°18	5°49	6°37	0°40	n.a.	T 4
F 5	23 56 8	27°38'59	3♒45	6°33	27°43	24° 9	6°18	25°32	21°35	10°24	9°19	5°44	6°34	0°47	n.a.	F 5
S 6	0 0 5	28°39'44	18°14	5°25	27°46	24°33	6°31	25°27	21°33	10°26	9°20	5°37	6°30	0°53	n.a.	S 6
S 7	0 4 2	29°40'31	3♓ 8	4°10	27°R46	24°57	6°45	25°22	21°32	10°28	9°21	5°28	6°27	1° 0	n.a.	S 7
M 8	0 7 58	0♎41'18	18°22	2°50	27°44	25°20	6°58	25°17	21°30	10°29	9°22	5°18	6°24	1° 7	n.a.	M 8
T 9	0 11 55	1°42'07	3♈43	1°29	27°39	25°43	7°12	25°12	21°28	10°31	9°22	5° 8	6°21	1°13	n.a.	T 9
W10	0 15 51	2°42'58	19° 2	0° 8	27°32	26° 5	7°25	25° 7	21°26	10°32	9°23	5° 0	6°18	1°20	n.a.	W10
T 11	0 19 48	3°43'50	4♉ 6	28♍50	27°22	26°28	7°39	25° 3	21°25	10°34	9°24	4°54	6°15	1°27	n.a.	T 11
F 12	0 23 44	4°44'43	18°47	27°39	27°10	26°49	7°52	24°58	21°23	10°35	9°25	4°50	6°11	1°34	n.a.	F 12
S 13	0 27 41	5°45'38	3♊ 1	26°35	26°55	27°11	8° 6	24°53	21°22	10°37	9°26	4°D49	6° 8	1°40	n.a.	S 13
S 14	0 31 37	6°46'35	16°46	25°42	26°38	27°32	8°19	24°48	21°20	10°38	9°27	4°50	6° 5	1°47	n.a.	S 14
M15	0 35 34	7°47'33	0♋ 4	24°59	26°19	27°53	8°33	24°43	21°19	10°40	9°29	4°50	6° 2	1°54	n.a.	M15
T 16	0 39 31	8°48'33	12°57	24°27	25°57	28°13	8°46	24°38	21°17	10°41	9°30	4°R51	5°59	2° 0	n.a.	T 16
W17	0 43 27	9°49'35	25°31	24° 8	25°33	28°33	9° 0	24°34	21°16	10°42	9°31	4°49	5°56	2° 7	n.a.	W17
T 18	0 47 24	10°50'37	7♌49	23°D59	25° 8	28°53	9°13	24°29	21°15	10°44	9°32	4°45	5°52	2°14	n.a.	T 18
F 19	0 51 20	11°51'42	19°56	24° 2	24°40	29°12	9°27	24°24	21°13	10°45	9°33	4°39	5°49	2°21	n.a.	F 19
S 20	0 55 17	12°52'47	1♍55	24°15	24°10	29°31	9°40	24°20	21°12	10°46	9°34	4°31	5°46	2°27	n.a.	S 20
S 21	0 59 13	13°53'53	13°49	24°37	23°39	29°49	9°54	24°15	21°11	10°47	9°35	4°21	5°43	2°34	n.a.	S 21
M22	1 3 10	14°55'01	25°40	25° 8	23° 7	0♋ 7	10° 7	24°11	21°10	10°49	9°37	4°11	5°40	2°41	n.a.	M22
T 23	1 7 6	15°56'10	7♎32	25°46	22°33	0°24	10°21	24° 6	21° 8	10°50	9°38	4° 1	5°36	2°47	n.a.	T 23
W24	1 11 3	16°57'20	19°24	26°31	21°58	0°41	10°34	24° 2	21° 7	10°51	9°39	3°52	5°33	2°54	n.a.	W24
T 25	1 15 0	17°58'30	1♏18	27°22	21°23	0°58	10°48	23°58	21° 6	10°52	9°41	3°45	5°30	3° 1	n.a.	T 25
F 26	1 18 56	18°59'42	13°17	28°18	20°46	1°14	11° 1	23°53	21° 5	10°53	9°42	3°41	5°27	3° 8	n.a.	F 26
S 27	1 22 53	20° 0'54	25°22	29°19	20°10	1°29	11°15	23°49	21° 4	10°54	9°43	3°38	5°24	3°14	n.a.	S 27
S 28	1 26 49	21° 2'07	7♐36	0♎24	19°34	1°44	11°28	23°45	21° 3	10°55	9°45	3°D38	5°21	3°21	n.a.	S 28
M29	1 30 46	22° 3'21	20° 1	1°32	18°58	1°59	11°42	23°41	21° 3	10°56	9°46	3°39	5°17	3°28	n.a.	M29
T 30	1 34 42	23° 4'35	2♑42	2°43	18°22	2°13	11°55	23°37	21° 2	10°57	9°48	3°41	5°14	3°34	n.a.	T 30
W31	1 38 39	24♎ 5'49	15♑41	3♎57	17♎47	2♋26	12♎ 8	23♓33	21♒ 1	10♑58	9♐49	3♊42	5♊11	3♎41	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	2n35	22s53	0s25	6s 2	2s22	16s33	6s21	24n39	0n59	1s13	1n 4	4s21	2s55	15s19	0s50	19n12	1n15	25s13	3s 0	21n41	21n51	4n11			n.a.
T 2	2 11	25 14	1 31	5 40	2 11	16 39	6 22	24 42	1 0	1 19	1 3	4 23	2 55	15 20	0 50	19 11	1 15	25 13	3 0	21 41	21 50	4 8			n.a.
W 3	1 46	26 18	2 34	5 11	1 58	16 43	6 23	24 45	1 2	1 24	1 3	4 25	2 55	15 20	0 50	19 11	1 15	25 14	3 0	21 41	21 50	4 5			n.a.
T 4	1 22	25 53	3 31	4 38	1 43	16 46	6 23	24 48	1 3	1 29	1 3	4 27	2 55	15 21	0 50	19 10	1 15	25 14	3 0	21 41	21 49	4 2			n.a.
F 5	0 57	23 50	4 17	3 58	1 27	16 48	6 23	24 50	1 5	1 35	1 3	4 29	2 55	15 22	0 50	19 10	1 15	25 14	3 0	21 40	21 49	3 59			n.a.
S 6	0 32	20 13	4 49	3 14	1 9	16 48	6 22	24 53	1 6	1 40	1 3	4 30	2 55	15 22	0 50	19 10	1 15	25 14	3 0	21 39	21 48	3 56			n.a.
S 7	0 8	15 14	5 3	2 27	0 50	16 47	6 21	24 56	1 8	1 46	1 3	4 32	2 55	15 23	0 50	19 9	1 15	25 14	3 0	21 37	21 48	3 53			n.a.
M 8	0s17	9 12	4 55	1 36	0 30	16 45	6 20	24 58	1 10	1 51	1 3	4 34	2 55	15 23	0 50	19 9	1 15	25 14	3 0	21 35	21 47	3 49			n.a.
T 9	0 41	2 33	4 26	0 44	0 9	16 41	6 18	25 1	1 11	1 57	1 3	4 36	2 55	15 24	0 50	19 8	1 15	25 14	3 0	21 34	21 47	3 46			n.a.
W10	1 6	4n13	3 39	0n 7	0n12	16 36	6 15	25 3	1 13	2 2	1 3	4 38	2 55	15 24	0 50	19 8	1 15	25 15	3 0	21 32	21 46	3 43			n.a.
T 11	1 31	10 41	2 36	0 57	0 32	16 29	6 11	25 5	1 15	2 8	1 3	4 40	2 55	15 25	0 50	19 8	1 15	25 15	3 0	21 31	21 46	3 40			n.a.
F 12	1 55	16 23	1 25	1 44	0 51	16 21	6 7	25 8	1 16	2 13	1 3	4 42	2 55	15 25	0 50	19 7	1 15	25 15	3 0	21 30	21 45	3 37			n.a.
S 13	2 20	21 0	0 10	2 26	1 9	16 11	6 3	25 10	1 18	2 19	1 3	4 44	2 55	15 26	0 50	19 7	1 15	25 15	3 0	21 30	21 44	3 34			n.a.
S 14	2 44	24 16	1n 3	3 3	1 25	15 59	5 57	25 12	1 20	2 24	1 3	4 46	2 55	15 26	0 50	19 6	1 15	25 15	3 0	21 30	21 44	3 31			n.a.
M15	3 9	26 4	2 11	3 33	1 40	15 47	5 51	25 14	1 22	2 30	1 2	4 48	2 54	15 27	0 50	19 6	1 16	25 15	3 0	21 30	21 43	3 28			n.a.
T 16	3 33	26 23	3 9	3 57	1 52	15 32	5 45	25 16	1 24	2 35	1 2	4 50	2 54	15 27	0 50	19 6	1 16	25 16	3 0	21 30	21 43	3 25			n.a.
W17	3 58	25 19	3 57	4 15	2 3	15 16	5 37	25 18	1 25	2 41	1 2	4 51	2 54	15 28	0 49	19 5	1 16	25 16	3 0	21 30	21 42	3 22			n.a.
T 18	4 22	23 3	4 33	4 26	2 12	14 59	5 29	25 20	1 27	2 46	1 2	4 53	2 54	15 28	0 49	19 5	1 16	25 16	3 0	21 29	21 42	3 19			n.a.
F 19	4 47	19 47	4 56	4 32	2 19	14 40	5 20	25 22	1 29	2 52	1 2	4 55	2 54	15 28	0 49	19 5	1 16	25 16	3 0	21 28	21 41	3 16			n.a.
S 20	5 11	15 44	5 5	4 31	2 24	14 20	5 10	25 24	1 31	2 57	1 2	4 57	2 54	15 29	0 49	19 4	1 16	25 16	3 0	21 27	21 40	3 13			n.a.
S 21	5 35	11 6	5 2	4 26	2 28	13 59	5 0	25 26	1 33	3 3	1 2	4 58	2 54	15 29	0 49	19 4	1 16	25 17	3 0	21 25	21 40	3 10			n.a.
M22	5 59	6 6	4 45	4 16	2 30	13 36	4 49	25 28	1 35	3 8	1 2	5 0	2 54	15 29	0 49	19 4	1 16	25 17	3 0	21 23	21 39	3 7			n.a.
T 23	6 23	0 52	4 16	4 1	2 31	13 12	4 37	25 30	1 37	3 13	1 2	5 2	2 53	15 30	0 49	19 4	1 16	25 17	3 0	21 21	21 39	3 3			n.a.
W24	6 47	4s25	3 36	3 43	2 31	12 48	4 25	25 32	1 39	3 19	1 2	5 3	2 53	15 30	0 49	19 3	1 16	25 17	3 0	21 19	21 38	3 0			n.a.
T 25	7 11	9 34	2 46	3 21	2 30	12 22	4 12	25 34	1 41	3 24	1 2	5 5	2 53	15 30	0 49	19 3	1 16	25 17	3 0	21 18	21 38	2 57			n.a.
F 26	7 34	14 25	1 48	2 57	2 28	11 56	3 59	25 36	1 43	3 30	1 2	5 6	2 53	15 31	0 49	19 3	1 16	25 18	3 0	21 17	21 37	2 54			n.a.
S 27	7 58	18 45	0 45	2 30	2 25	11 29	3 45	25 38	1 45	3 35	1 2	5 8	2 53	15 31	0 49	19 3	1 16	25 18	3 0	21 17	21 36	2 51			n.a.
S 28	8 22	22 21	0s22	2 0	2 22	11 2	3 30	25 40	1 47	3 40	1 2	5 10	2 53	15 31	0 49	19 2	1 16	25 18	3 0	21 17	21 36	2 48			n.a.
M29	8 45	24 58	1 28	1 29	2 18	10 34	3 16	25 42	1 49	3 46	1 2	5 11	2 52	15 32	0 49	19 2	1 16	25 18	3 0	21 17	21 35	2 45			n.a.
T 30	9 8	26 23	2 31	0 56	2 13	10 6	3 0	25 44	1 51	3 51	1 2	5 12	2 52	15 32	0 49	19 2	1 16	25 19	3 0	21 17	21 35	2 42			n.a.
W31	9s31	26s24	3s29	0n22	2n 9	9s38	2s45	25n45	1n53	3s57	1n 2	5s14	2s52	15s32	0s49	19n 2	1n16	25s19	3s 0	21n17	21n34	2n39			n.a.

Julian Day Number = 1106615.5, Delta T = 10h56m58s
Ecliptic obliquity = 23°53'31, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'32, Lahiri = -27°10'31 Julian Calendar 1 Oct. 1684 BCE == Greg. Calendar 17 Sept. 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

NOVEMBER 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 42 35	25♎ 7'04	29♉ 3	5♎13	17°R13	2♋39	12♎22	23°R29	21°R 0	10♌59	9♐50	3°R42	5♊ 8	3♎48	n.a.	T 1
F 2	1 46 32	26° 8'19	12♒50	6°32	16♎40	2°51	12°35	23♓26	21♒ 0	11° 0	9°52	3♊41	5° 5	3°54	n.a.	F 2
S 3	1 50 29	27° 9'35	27° 2	7°52	16° 9	3° 3	12°49	23°22	20°59	11° 1	9°53	3°38	5° 1	4° 1	n.a.	S 3
S 4	1 54 25	28°10'50	11♓39	9°13	15°39	3°14	13° 2	23°18	20°59	11° 2	9°55	3°33	4°58	4° 8	n.a.	S 4
M 5	1 58 22	29°12'06	26°35	10°36	15°11	3°25	13°15	23°15	20°58	11° 2	9°56	3°28	4°55	4°15	n.a.	M 5
T 6	2 2 18	0♏13'22	11♈43	11°59	14°45	3°35	13°28	23°11	20°58	11° 3	9°58	3°23	4°52	4°21	n.a.	T 6
W 7	2 6 15	1°14'38	26°54	13°24	14°21	3°44	13°42	23° 8	20°57	11° 4	10° 0	3°19	4°49	4°28	n.a.	W 7
T 8	2 10 11	2°15'55	11♉57	14°50	13°59	3°53	13°55	23° 5	20°57	11° 5	10° 1	3°16	4°46	4°35	n.a.	T 8
F 9	2 14 8	3°17'12	26°43	16°16	13°39	4° 1	14° 8	23° 1	20°57	11° 5	10° 3	3°D14	4°42	4°41	n.a.	F 9
S 10	2 18 4	4°18'29	11♊ 6	17°43	13°22	4° 9	14°21	22°58	20°56	11° 6	10° 4	3°14	4°39	4°48	n.a.	S 10
S 11	2 22 1	5°19'47	25° 2	19°11	13° 7	4°16	14°34	22°55	20°56	11° 6	10° 6	3°15	4°36	4°55	n.a.	S 11
M12	2 25 58	6°21'06	8♋30	20°40	12°55	4°22	14°47	22°52	20°56	11° 7	10° 8	3°17	4°33	5° 2	n.a.	M12
T 13	2 29 54	7°22'25	21°33	22° 8	12°45	4°27	15° 0	22°50	20°56	11° 7	10° 9	3°19	4°30	5° 8	n.a.	T 13
W14	2 33 51	8°23'44	4♌12	23°38	12°38	4°32	15°13	22°47	20°D56	11° 8	10°11	3°R19	4°27	5°15	n.a.	W14
T 15	2 37 47	9°25'04	16°33	25° 7	12°33	4°36	15°26	22°44	20°56	11° 8	10°13	3°19	4°23	5°22	n.a.	T 15
F 16	2 41 44	10°26'24	28°39	26°37	12°D31	4°40	15°39	22°42	20°56	11° 9	10°15	3°18	4°20	5°28	n.a.	F 16
S 17	2 45 40	11°27'44	10♍36	28° 8	12°32	4°42	15°52	22°39	20°56	11° 9	10°16	3°16	4°17	5°35	n.a.	S 17
S 18	2 49 37	12°29'04	22°28	29°39	12°34	4°44	16° 5	22°37	20°56	11° 9	10°18	3°12	4°14	5°42	n.a.	S 18
M19	2 53 34	13°30'24	4♎18	1♏10	12°39	4°45	16°18	22°35	20°57	11°10	10°20	3° 9	4°11	5°48	n.a.	M19
T 20	2 57 30	14°31'44	16° 9	2°42	12°47	4°R46	16°31	22°33	20°57	11°10	10°22	3° 6	4° 7	5°55	n.a.	T 20
W21	3 1 27	15°33'05	28° 5	4°14	12°57	4°45	16°43	22°31	20°57	11°10	10°23	3° 3	4° 4	6° 2	n.a.	W21
T 22	3 5 23	16°34'25	10♏ 7	5°46	13° 9	4°44	16°56	22°29	20°57	11°10	10°25	3° 1	4° 1	6° 9	n.a.	T 22
F 23	3 9 20	17°35'45	22°17	7°19	13°23	4°42	17° 9	22°27	20°58	11°11	10°27	2°59	3°58	6°15	n.a.	F 23
S 24	3 13 16	18°37'05	4♐35	8°52	13°39	4°39	17°21	22°25	20°58	11°11	10°29	2°D59	3°55	6°22	n.a.	S 24
S 25	3 17 13	19°38'24	17° 5	10°25	13°57	4°36	17°34	22°24	20°59	11°11	10°31	3° 0	3°52	6°29	n.a.	S 25
M26	3 21 10	20°39'43	29°46	11°59	14°18	4°32	17°46	22°22	21° 0	11°11	10°32	3° 1	3°48	6°35	n.a.	M26
T 27	3 25 6	21°41'01	12♑41	13°33	14°40	4°26	17°59	22°21	21° 0	11°R11	10°34	3° 2	3°45	6°42	n.a.	T 27
W28	3 29 3	22°42'19	25°50	15° 8	15° 4	4°21	18°11	22°20	21° 1	11°11	10°36	3° 3	3°42	6°49	n.a.	W28
T 29	3 32 59	23°43'36	9♒16	16°43	15°30	4°14	18°23	22°19	21° 2	11°11	10°38	3° 3	3°39	6°55	n.a.	T 29
F 30	3 36 56	24♏44'52	22♒59	18♏18	15♎57	4♋ 6	18♎35	22♓18	21♒ 2	11♌11	10♐40	3°R 4	3♊36	7♎ 2	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s54	24s55	4s16	0s14	2n 3	9s11	2s30	25n47	1n56	4s 2	1n 2	5s15	2s52	15s32	0s49	19n 1	1n16	25s19	3s 0	21n17	21n34	2n36		n.a.
F 2	10 17	21 55	4 51	0 51	1 58	8 44	2 14	25 49	1 58	4 7	1 2	5 17	2 52	15 32	0 49	19 1	1 16	25 19	3 0	21 17	21 33	2 33		n.a.
S 3	10 39	17 33	5 9	1 28	1 52	8 17	1 58	25 51	2 0	4 12	1 2	5 18	2 51	15 32	0 49	19 1	1 16	25 20	3 0	21 17	21 32	2 30		n.a.
S 4	11 2	12 3	5 8	2 7	1 45	7 51	1 43	25 53	2 2	4 18	1 2	5 19	2 51	15 33	0 49	19 1	1 17	25 20	3 0	21 16	21 32	2 26		n.a.
M 5	11 24	5 45	4 47	2 45	1 39	7 25	1 27	25 55	2 5	4 23	1 2	5 20	2 51	15 33	0 49	19 1	1 17	25 20	3 0	21 15	21 31	2 23		n.a.
T 6	11 46	0n59	4 5	3 25	1 33	7 1	1 12	25 57	2 7	4 28	1 2	5 22	2 51	15 33	0 49	19 1	1 17	25 20	3 0	21 14	21 31	2 20		n.a.
W 7	12 8	7 41	3 6	4 4	1 26	6 37	0 57	25 59	2 9	4 34	1 2	5 23	2 51	15 33	0 49	19 0	1 17	25 21	3 0	21 13	21 30	2 17		n.a.
T 8	12 29	13 54	1 54	4 44	1 19	6 15	0 41	26 2	2 12	4 39	1 2	5 24	2 50	15 33	0 49	19 0	1 17	25 21	3 1	21 12	21 29	2 14		n.a.
F 9	12 51	19 13	0 36	5 25	1 12	5 54	0 27	26 4	2 14	4 44	1 2	5 25	2 50	15 33	0 49	19 0	1 17	25 21	3 1	21 12	21 29	2 11		n.a.
S 10	13 12	23 14	0n43	6 5	1 5	5 34	0 12	26 6	2 16	4 49	1 2	5 26	2 50	15 33	0 49	19 0	1 17	25 21	3 1	21 12	21 28	2 8		n.a.
S 11	13 33	25 44	1 57	6 45	0 58	5 15	0n 2	26 8	2 19	4 54	1 2	5 27	2 50	15 33	0 49	19 0	1 17	25 22	3 1	21 12	21 28	2 5		n.a.
M12	13 53	26 38	3 2	7 26	0 51	4 57	0 16	26 10	2 21	5 0	1 2	5 28	2 49	15 33	0 49	19 0	1 17	25 22	3 1	21 13	21 27	2 2		n.a.
T 13	14 14	26 0	3 55	8 6	0 44	4 41	0 29	26 13	2 24	5 5	1 2	5 29	2 49	15 33	0 48	19 0	1 17	25 22	3 1	21 13	21 26	1 59		n.a.
W14	14 34	24 1	4 35	8 46	0 37	4 27	0 42	26 15	2 26	5 10	1 2	5 30	2 49	15 33	0 48	19 0	1 17	25 23	3 1	21 13	21 26	1 55		n.a.
T 15	14 54	20 57	5 1	9 26	0 30	4 13	0 54	26 17	2 29	5 15	1 2	5 30	2 49	15 33	0 48	19 0	1 17	25 23	3 1	21 13	21 25	1 52		n.a.
F 16	15 14	17 2	5 13	10 6	0 23	4 1	1 6	26 20	2 31	5 20	1 2	5 31	2 48	15 33	0 48	19 0	1 17	25 23	3 1	21 13	21 25	1 49		n.a.
S 17	15 33	12 31	5 12	10 46	0 16	3 51	1 18	26 22	2 34	5 25	1 2	5 32	2 48	15 33	0 48	18 59	1 17	25 23	3 1	21 12	21 24	1 46		n.a.
S 18	15 52	7 34	4 57	11 25	0 9	3 42	1 29	26 25	2 36	5 30	1 2	5 33	2 48	15 33	0 48	18 59	1 17	25 24	3 1	21 12	21 23	1 43		n.a.
M19	16 11	2 22	4 30	12 4	0 2	3 34	1 40	26 27	2 39	5 35	1 2	5 33	2 48	15 33	0 48	18 59	1 17	25 24	3 1	21 11	21 23	1 40		n.a.
T 20	16 30	2s56	3 50	12 43	0s 5	3 28	1 50	26 30	2 42	5 40	1 2	5 34	2 47	15 33	0 48	18 59	1 17	25 24	3 1	21 10	21 22	1 37		n.a.
W21	16 48	8 11	3 1	13 21	0 12	3 23	1 59	26 32	2 44	5 45	1 2	5 34	2 47	15 32	0 48	18 59	1 17	25 25	3 1	21 10	21 22	1 34		n.a.
T 22	17 6	13 11	2 3	13 59	0 18	3 19	2 9	26 35	2 47	5 50	1 2	5 35	2 47	15 32	0 48	18 59	1 17	25 25	3 1	21 9	21 21	1 30		n.a.
F 23	17 24	17 44	0 59	14 36	0 25	3 16	2 17	26 38	2 50	5 55	1 2	5 35	2 46	15 32	0 48	18 59	1 18	25 25	3 1	21 9	21 20	1 27		n.a.
S 24	17 41	21 36	0s 9	15 13	0 31	3 15	2 26	26 41	2 52	6 0	1 2	5 36	2 46	15 32	0 48	18 59	1 18	25 26	3 1	21 9	21 20	1 24		n.a.
S 25	17 59	24 32	1 17	15 49	0 38	3 15	2 34	26 43	2 55	6 4	1 2	5 36	2 46	15 32	0 48	18 59	1 18	25 26	3 1	21 9	21 19	1 21		n.a.
M26	18 15	26 16	2 23	16 25	0 44	3 16	2 41	26 46	2 58	6 9	1 2	5 36	2 46	15 31	0 48	18 59	1 18	25 26	3 1	21 9	21 19	1 18		n.a.
T 27	18 32	26 38	3 23	17 0	0 50	3 18	2 48	26 49	3 0	6 14	1 2	5 37	2 45	15 31	0 48	18 59	1 18	25 27	3 1	21 10	21 18	1 15		n.a.
W28	18 48	25 31	4 13	17 34	0 56	3 22	2 55	26 52	3 3	6 19	1 2	5 37	2 45	15 31	0 48	19 0	1 18	25 27	3 1	21 10	21 17	1 12		n.a.
T 29	19 3	22 56	4 50	18 7	1 1	3 26	3 1	26 55	3 6	6 24	1 2	5 37	2 45	15 31	0 48	19 0	1 18	25 27	3 1	21 10	21 17	1 9		n.a.
F 30	19s19	19s 1	5s12	18s40	1s 7	3s31	3n 7	26n58	3n 8	6s28	1n 2	5s37	2s44	15s30	0s48	19n 0	1n18	25s28	3s 1	21n10	21n16	1n 5		n.a.

Julian Day Number = 1106646.5, Delta T = 10h56m56s
Ecliptic obliquity = 23°53'31, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'27, Lahiri = -27°10'27 Julian Calendar 1 Nov. 1684 BCE == Greg. Calendar 18 Oct. 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1684 BCE
geocentric

DECEMBER 1684 BCE (-1683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 40 52	25♏46'06	6♓59	19♏54	16♎26	3°R58	18♎48	22°R17	21♒ 3	11°R11	10♐42	3°R 4	3♊33	7♎ 9	n.a.	S 1
S 2	3 44 49	26°47'20	21°16	21°30	16°57	3♋49	19° 0	22♓16	21° 4	11♑11	10°44	3♊ 3	3°29	7°16	n.a.	S 2
M 3	3 48 45	27°48'33	5♈48	23° 7	17°29	3°39	19°12	22°16	21° 5	11°10	10°46	3° 2	3°26	7°22	n.a.	M 3
T 4	3 52 42	28°49'45	20°30	24°44	18° 3	3°28	19°24	22°15	21° 6	11°10	10°47	3° 2	3°23	7°29	n.a.	T 4
W 5	3 56 39	29°50'57	5♉15	26°22	18°38	3°17	19°36	22°15	21° 7	11°10	10°49	3° 2	3°20	7°36	n.a.	W 5
T 6	4 0 35	0♐52'07	19°58	28° 0	19°15	3° 4	19°47	22°14	21° 8	11°10	10°51	3° 1	3°17	7°42	n.a.	T 6
F 7	4 4 32	1°53'16	4♊31	29°39	19°53	2°51	19°59	22°14	21° 9	11° 9	10°53	3°D 1	3°13	7°49	n.a.	F 7
S 8	4 8 28	2°54'25	18°48	1♐18	20°32	2°38	20°11	22°D14	21°11	11° 9	10°55	3°R 1	3°10	7°56	n.a.	S 8
S 9	4 12 25	3°55'33	2♋45	2°58	21°12	2°23	20°22	22°14	21°12	11° 9	10°57	3° 1	3° 7	8° 3	n.a.	S 9
M10	4 16 21	4°56'40	16°17	4°39	21°54	2° 8	20°34	22°14	21°13	11° 8	10°59	3° 1	3° 4	8° 9	n.a.	M10
T 11	4 20 18	5°57'46	29°26	6°20	22°37	1°52	20°45	22°15	21°14	11° 8	11° 1	3° 1	3° 1	8°16	n.a.	T 11
W12	4 24 15	6°58'52	12♌12	8° 2	23°20	1°35	20°57	22°15	21°16	11° 7	11° 3	3° 0	2°58	8°23	n.a.	W12
T 13	4 28 11	7°59'56	24°38	9°44	24° 5	1°18	21° 8	22°15	21°17	11° 7	11° 5	3° 0	2°54	8°29	n.a.	T 13
F 14	4 32 8	9° 1'00	6♍48	11°27	24°51	0°59	21°19	22°16	21°19	11° 6	11° 7	3°D 0	2°51	8°36	n.a.	F 14
S 15	4 36 4	10° 2'03	18°47	13°10	25°38	0°41	21°30	22°17	21°20	11° 6	11° 9	3° 0	2°48	8°43	n.a.	S 15
S 16	4 40 1	11° 3'05	0♎39	14°54	26°25	0°21	21°41	22°18	21°22	11° 5	11°11	3° 0	2°45	8°49	n.a.	S 16
M17	4 43 57	12° 4'06	12°30	16°39	27°14	0° 2	21°52	22°19	21°23	11° 4	11°12	3° 1	2°42	8°56	n.a.	M17
T 18	4 47 54	13° 5'06	24°22	18°24	28° 3	29♊41	22° 3	22°20	21°25	11° 4	11°14	3° 2	2°39	9° 3	n.a.	T 18
W19	4 51 50	14° 6'05	6♏21	20°10	28°53	29°20	22°14	22°21	21°27	11° 3	11°16	3° 3	2°35	9° 9	n.a.	W19
T 20	4 55 47	15° 7'03	18°30	21°56	29°44	28°59	22°24	22°22	21°29	11° 2	11°18	3° 4	2°32	9°16	n.a.	T 20
F 21	4 59 44	16° 8'00	0♐51	23°42	0♏36	28°37	22°35	22°24	21°30	11° 1	11°20	3°R 5	2°29	9°23	n.a.	F 21
S 22	5 3 40	17° 8'55	13°26	25°29	1°28	28°14	22°46	22°25	21°32	11° 1	11°22	3° 5	2°26	9°30	n.a.	S 22
S 23	5 7 37	18° 9'50	26°15	27°15	2°21	27°52	22°56	22°27	21°34	11° 0	11°24	3° 3	2°23	9°36	n.a.	S 23
M24	5 11 33	19°10'43	9♑20	29° 2	3°15	27°29	23° 6	22°29	21°36	10°59	11°26	3° 2	2°19	9°43	n.a.	M24
T 25	5 15 30	20°11'34	22°38	0♑49	4°10	27° 5	23°16	22°30	21°38	10°58	11°28	2°59	2°16	9°50	n.a.	T 25
W26	5 19 26	21°12'23	6♒10	2°35	5° 4	26°42	23°26	22°32	21°40	10°57	11°30	2°57	2°13	9°56	n.a.	W26
T 27	5 23 23	22°13'11	19°53	4°21	6° 0	26°18	23°36	22°35	21°42	10°56	11°32	2°54	2°10	10° 3	n.a.	T 27
F 28	5 27 20	23°13'57	3♓46	6° 6	6°56	25°54	23°46	22°37	21°44	10°55	11°34	2°52	2° 7	10°10	n.a.	F 28
S 29	5 31 16	24°14'41	17°47	7°50	7°53	25°31	23°56	22°39	21°46	10°54	11°36	2°D51	2° 4	10°16	n.a.	S 29
S 30	5 35 13	25°15'23	1♈56	9°32	8°50	25° 7	24° 6	22°41	21°49	10°53	11°37	2°51	2° 0	10°23	n.a.	S 30
M31	5 39 9	26♐16'03	16♈ 9	11♑13	9♏47	24♊43	24♎15	22♓44	21♒51	10♑52	11♐39	2♊52	1♊57	10♎30	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s34	13s59	5s16	19s12	1s12	3s37	3n13	27n 1	3n11	6s33	1n 2	5s37	2s44	15s30	0s48	19n 0	1n18	25s28	3s 2	21n10	21n16	1n 2		n.a.
S 2	19 48	8 7	5 1	19 43	1 17	3 45	3 18	27 4	3 14	6 38	1 2	5 37	2 44	15 30	0 48	19 0	1 18	25 28	3 2	21 10	21 15	0 59		n.a.
M 3	20 3	1 44	4 27	20 13	1 22	3 53	3 23	27 7	3 16	6 42	1 2	5 37	2 43	15 29	0 48	19 0	1 18	25 29	3 2	21 10	21 14	0 56		n.a.
T 4	20 17	4n51	3 35	20 43	1 27	4 2	3 27	27 10	3 19	6 47	1 2	5 37	2 43	15 29	0 48	19 0	1 18	25 29	3 2	21 10	21 14	0 53		n.a.
W 5	20 30	11 12	2 28	21 11	1 31	4 11	3 31	27 13	3 22	6 51	1 2	5 37	2 43	15 29	0 48	19 0	1 18	25 29	3 2	21 10	21 13	0 50		n.a.
T 6	20 43	16 55	1 12	21 38	1 35	4 22	3 35	27 16	3 24	6 56	1 2	5 37	2 43	15 28	0 48	19 0	1 18	25 30	3 2	21 9	21 12	0 47		n.a.
F 7	20 56	21 35	0n 8	22 4	1 39	4 33	3 38	27 18	3 27	7 0	1 2	5 37	2 42	15 28	0 47	19 0	1 18	25 30	3 2	21 9	21 12	0 43		n.a.
S 8	21 8	24 51	1 27	22 29	1 43	4 45	3 41	27 21	3 29	7 5	1 2	5 36	2 42	15 27	0 47	19 1	1 18	25 30	3 2	21 9	21 11	0 40		n.a.
S 9	21 20	26 29	2 38	22 53	1 46	4 58	3 44	27 24	3 32	7 9	1 2	5 36	2 42	15 27	0 47	19 1	1 18	25 31	3 2	21 9	21 11	0 37		n.a.
M10	21 31	26 29	3 38	23 15	1 49	5 11	3 47	27 27	3 34	7 13	1 2	5 36	2 41	15 26	0 47	19 1	1 18	25 31	3 2	21 9	21 10	0 34		n.a.
T 11	21 42	24 58	4 25	23 37	1 52	5 25	3 49	27 30	3 37	7 18	1 2	5 35	2 41	15 26	0 47	19 1	1 19	25 31	3 2	21 9	21 9	0 31		n.a.
W12	21 53	22 12	4 57	23 56	1 54	5 40	3 51	27 32	3 39	7 22	1 2	5 35	2 41	15 26	0 47	19 1	1 19	25 32	3 2	21 9	21 9	0 28		n.a.
T 13	22 3	18 28	5 14	24 15	1 56	5 55	3 53	27 35	3 42	7 26	1 2	5 34	2 40	15 25	0 47	19 1	1 19	25 32	3 2	21 9	21 8	0 25		n.a.
F 14	22 13	14 3	5 17	24 32	1 58	6 10	3 54	27 37	3 44	7 31	1 2	5 34	2 40	15 24	0 47	19 2	1 19	25 32	3 2	21 9	21 7	0 21		n.a.
S 15	22 22	9 11	5 5	24 47	1 59	6 26	3 56	27 40	3 46	7 35	1 2	5 33	2 40	15 24	0 47	19 2	1 19	25 33	3 3	21 9	21 7	0 18		n.a.
S 16	22 31	4 1	4 41	25 0	2 0	6 43	3 57	27 42	3 48	7 39	1 2	5 33	2 39	15 23	0 47	19 2	1 19	25 33	3 3	21 9	21 6	0 15		n.a.
M17	22 40	1s16	4 5	25 12	2 0	7 0	3 57	27 44	3 51	7 43	1 2	5 32	2 39	15 23	0 47	19 2	1 19	25 34	3 3	21 9	21 6	0 12		n.a.
T 18	22 48	6 33	3 18	25 22	2 0	7 17	3 58	27 46	3 53	7 47	1 2	5 31	2 39	15 22	0 47	19 3	1 19	25 34	3 3	21 10	21 5	0 9		n.a.
W19	22 55	11 39	2 23	25 30	1 59	7 35	3 58	27 48	3 55	7 51	1 3	5 31	2 38	15 22	0 47	19 3	1 19	25 34	3 3	21 10	21 4	0 6		n.a.
T 20	23 3	16 23	1 20	25 37	1 58	7 53	3 58	27 50	3 57	7 55	1 3	5 30	2 38	15 21	0 47	19 3	1 19	25 35	3 3	21 10	21 4	0 3		n.a.
F 21	23 9	20 31	0 12	25 41	1 57	8 11	3 58	27 52	3 59	7 59	1 3	5 29	2 38	15 20	0 47	19 3	1 19	25 35	3 3	21 10	21 3	0s 1		n.a.
S 22	23 15	23 47	0s57	25 43	1 54	8 30	3 58	27 53	4 0	8 3	1 3	5 28	2 38	15 20	0 47	19 4	1 19	25 35	3 3	21 10	21 2	0 4		n.a.
S 23	23 21	25 55	2 5	25 43	1 51	8 48	3 58	27 54	4 2	8 7	1 3	5 27	2 37	15 19	0 47	19 4	1 19	25 36	3 3	21 10	21 2	0 7		n.a.
M24	23 26	26 40	3 7	25 41	1 48	9 7	3 57	27 56	4 4	8 10	1 3	5 26	2 37	15 18	0 47	19 4	1 19	25 36	3 3	21 10	21 1	0 10		n.a.
T 25	23 31	25 54	4 1	25 37	1 44	9 27	3 56	27 57	4 5	8 14	1 3	5 25	2 37	15 18	0 47	19 4	1 19	25 36	3 3	21 9	21 0	0 13		n.a.
W26	23 36	23 37	4 41	25 31	1 39	9 46	3 55	27 57	4 7	8 18	1 3	5 24	2 36	15 17	0 47	19 5	1 19	25 37	3 3	21 9	21 0	0 16		n.a.
T 27	23 39	19 58	5 7	25 22	1 33	10 6	3 54	27 58	4 8	8 22	1 3	5 23	2 36	15 16	0 47	19 5	1 19	25 37	3 4	21 8	20 59	0 20		n.a.
F 28	23 43	15 11	5 15	25 11	1 27	10 26	3 53	27 59	4 9	8 25	1 3	5 22	2 36	15 16	0 47	19 5	1 19	25 38	3 4	21 8	20 59	0 23		n.a.
S 29	23 46	9 34	5 4	24 58	1 19	10 45	3 51	27 59	4 10	8 29	1 3	5 20	2 35	15 15	0 47	19 6	1 19	25 38	3 4	21 7	20 58	0 26		n.a.
S 30	23 48	3 25	4 36	24 44	1 11	11 5	3 50	27 59	4 11	8 32	1 3	5 19	2 35	15 14	0 47	19 6	1 19	25 38	3 4	21 7	20 57	0 29		n.a.
M31	23s50	2n57	3s50	24s27	1s 2	11s25	3n48	27n59	4n12	8s36	1n 3	5s18	2s35	15s13	0s47	19n 6	1n19	25s39	3s 4	21n 8	20n57	0s32		n.a.

Julian Day Number = 1106676.5, Delta T = 10h56m54s
Ecliptic obliquity = 23°53'31, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'23, Lahiri = -27°10'23 Julian Calendar 1 Dec. 1684 BCE == Greg. Calendar 17 Nov. 1684 BCE

The year -1683 astronomical counting style corresponds to year 1684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

JANUARY 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 43 6	27♐16'42	0♉25	12♑51	10♏45	24°R19	24♎25	22♓47	21♒53	10°R51	11♐41	2♊54	1♊54	10♎37	n.a.	T 1
W 2	5 47 2	28°17'18	14°42	14°27	11°44	23♊55	24°34	22°49	21°55	10♌50	11°43	2°55	1°51	10°43	n.a.	W 2
T 3	5 50 59	29°17'52	28°55	15°59	12°43	23°31	24°43	22°52	21°58	10°49	11°45	2°R56	1°48	10°50	n.a.	T 3
F 4	5 54 55	0♑18'25	13♊ 2	17°27	13°42	23° 8	24°52	22°55	22° 0	10°48	11°47	2°56	1°45	10°57	n.a.	F 4
S 5	5 58 52	1°18'56	26°58	18°51	14°42	22°45	25° 1	22°58	22° 2	10°47	11°49	2°54	1°41	11° 3	n.a.	S 5
S 6	6 2 49	2°19'25	10♋40	20° 9	15°42	22°22	25°10	23° 1	22° 5	10°45	11°51	2°50	1°38	11°10	n.a.	S 6
M 7	6 6 45	3°19'52	24° 4	21°21	16°43	21°59	25°19	23° 5	22° 7	10°44	11°52	2°46	1°35	11°17	n.a.	M 7
T 8	6 10 42	4°20'18	7♌10	22°27	17°44	21°36	25°27	23° 8	22°10	10°43	11°54	2°41	1°32	11°23	n.a.	T 8
W 9	6 14 38	5°20'41	19°56	23°26	18°45	21°14	25°36	23°12	22°12	10°42	11°56	2°35	1°29	11°30	n.a.	W 9
T 10	6 18 35	6°21'03	2♍24	24°16	19°47	20°53	25°44	23°15	22°15	10°41	11°58	2°30	1°25	11°37	n.a.	T 10
F 11	6 22 31	7°21'24	14°37	24°58	20°48	20°32	25°52	23°19	22°18	10°39	12° 0	2°26	1°22	11°43	n.a.	F 11
S 12	6 26 28	8°21'42	26°38	25°31	21°51	20°11	26° 0	23°22	22°20	10°38	12° 1	2°24	1°19	11°50	n.a.	S 12
S 13	6 30 24	9°21'59	8♎31	25°55	22°53	19°51	26° 8	23°26	22°23	10°37	12° 3	2°D23	1°16	11°57	n.a.	S 13
M14	6 34 21	10°22'15	20°21	26° 9	23°56	19°32	26°16	23°30	22°26	10°35	12° 5	2°23	1°13	12° 4	n.a.	M14
T 15	6 38 18	11°22'28	2♏14	26°R14	24°59	19°13	26°24	23°34	22°28	10°34	12° 7	2°25	1°10	12°10	n.a.	T 15
W16	6 42 14	12°22'40	14°14	26° 8	26° 3	18°54	26°31	23°38	22°31	10°32	12° 8	2°27	1° 6	12°17	n.a.	W16
T 17	6 46 11	13°22'50	26°26	25°53	27° 7	18°37	26°39	23°43	22°34	10°31	12°10	2°R28	1° 3	12°24	n.a.	T 17
F 18	6 50 7	14°22'59	8♐55	25°29	28°11	18°20	26°46	23°47	22°37	10°30	12°12	2°28	1° 0	12°30	n.a.	F 18
S 19	6 54 4	15°23'05	21°42	24°57	29°15	18° 3	26°53	23°51	22°40	10°28	12°13	2°26	0°57	12°37	n.a.	S 19
S 20	6 58 0	16°23'10	4♑50	24°16	0♐19	17°48	27° 0	23°56	22°43	10°27	12°15	2°22	0°54	12°44	n.a.	S 20
M21	7 1 57	17°23'13	18°17	23°30	1°24	17°33	27° 7	24° 0	22°45	10°25	12°17	2°16	0°51	12°50	n.a.	M21
T 22	7 5 53	18°23'13	2♒ 3	22°37	2°29	17°19	27°13	24° 5	22°48	10°24	12°18	2° 9	0°47	12°57	n.a.	T 22
W23	7 9 50	19°23'12	16° 3	21°41	3°34	17° 5	27°20	24°10	22°51	10°22	12°20	2° 1	0°44	13° 4	n.a.	W23
T 24	7 13 47	20°23'08	0♓13	20°42	4°39	16°53	27°26	24°15	22°54	10°21	12°22	1°53	0°41	13°10	n.a.	T 24
F 25	7 17 43	21°23'01	14°28	19°42	5°45	16°41	27°32	24°20	22°57	10°19	12°23	1°46	0°38	13°17	n.a.	F 25
S 26	7 21 40	22°22'53	28°44	18°42	6°50	16°30	27°38	24°25	23° 0	10°18	12°25	1°42	0°35	13°24	n.a.	S 26
S 27	7 25 36	23°22'41	12♈58	17°43	7°56	16°19	27°44	24°30	23° 3	10°16	12°26	1°40	0°31	13°31	n.a.	S 27
M28	7 29 33	24°22'28	27° 7	16°47	9° 2	16°10	27°50	24°35	23° 7	10°14	12°28	1°D39	0°28	13°37	n.a.	M28
T 29	7 33 29	25°22'12	11♉ 9	15°54	10° 8	16° 1	27°56	24°40	23°10	10°13	12°29	1°40	0°25	13°44	n.a.	T 29
W30	7 37 26	26°21'53	25° 4	15° 6	11°15	15°53	28° 1	24°46	23°13	10°11	12°31	1°R41	0°22	13°51	n.a.	W30
T 31	7 41 22	27♑21'32	8♊52	14♑23	12♐21	15♊46	28♎ 6	24♓51	23♒16	10♌10	12♐32	1♊41	0♊19	13♎57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23s52	9n12	2s49	24s 8	0s53	11s45	3n46	27n59	4n13	8s39	1n 3	5s16	2s34	15s13	0s47	19n 7	1n20	25s39	3s 4	21n 8	20n56	0s35			n.a.
W 2	23 53	14 59	1 39	23 47	0 42	12 6	3 44	27 58	4 14	8 43	1 3	5 15	2 34	15 12	0 47	19 7	1 20	25 39	3 4	21 8	20 55	0 39			n.a.
T 3	23 53	19 56	0 22	23 25	0 31	12 26	3 42	27 58	4 14	8 46	1 4	5 14	2 34	15 11	0 47	19 7	1 20	25 40	3 4	21 8	20 55	0 42			n.a.
F 4	23 53	23 42	0n55	23 2	0 18	12 46	3 39	27 57	4 15	8 49	1 4	5 12	2 34	15 10	0 46	19 8	1 20	25 40	3 4	21 8	20 54	0 45			n.a.
S 5	23 53	25 59	2 8	22 38	0 5	13 6	3 37	27 56	4 15	8 53	1 4	5 11	2 33	15 9	0 46	19 8	1 20	25 41	3 5	21 8	20 53	0 48			n.a.
S 6	23 52	26 39	3 12	22 13	0n 8	13 26	3 35	27 55	4 16	8 56	1 4	5 9	2 33	15 9	0 46	19 8	1 20	25 41	3 5	21 7	20 53	0 51			n.a.
M 7	23 51	25 42	4 4	21 47	0 23	13 46	3 32	27 54	4 16	8 59	1 4	5 8	2 33	15 8	0 46	19 9	1 20	25 41	3 5	21 6	20 52	0 54			n.a.
T 8	23 49	23 22	4 42	21 21	0 38	14 6	3 29	27 53	4 16	9 2	1 4	5 6	2 32	15 7	0 46	19 9	1 20	25 42	3 5	21 5	20 51	0 58			n.a.
W 9	23 47	19 54	5 4	20 56	0 54	14 25	3 26	27 51	4 16	9 5	1 4	5 4	2 32	15 6	0 46	19 10	1 20	25 42	3 5	21 4	20 51	1 1			n.a.
T 10	23 44	15 38	5 12	20 31	1 10	14 45	3 23	27 50	4 16	9 8	1 4	5 3	2 32	15 5	0 46	19 10	1 20	25 42	3 5	21 3	20 50	1 4			n.a.
F 11	23 41	10 50	5 5	20 8	1 26	15 5	3 20	27 48	4 16	9 11	1 4	5 1	2 31	15 4	0 46	19 10	1 20	25 43	3 5	21 2	20 49	1 7			n.a.
S 12	23 37	5 42	4 44	19 46	1 42	15 24	3 17	27 46	4 16	9 14	1 4	4 59	2 31	15 3	0 46	19 11	1 20	25 43	3 5	21 2	20 49	1 10			n.a.
S 13	23 33	0 25	4 12	19 25	1 59	15 43	3 14	27 44	4 15	9 17	1 4	4 57	2 31	15 2	0 46	19 11	1 20	25 43	3 5	21 2	20 48	1 13			n.a.
M14	23 29	4s53	3 29	19 6	2 15	16 2	3 11	27 42	4 15	9 20	1 5	4 55	2 31	15 1	0 46	19 12	1 20	25 44	3 6	21 2	20 47	1 17			n.a.
T 15	23 24	10 1	2 37	18 50	2 31	16 21	3 7	27 40	4 14	9 22	1 5	4 54	2 30	15 0	0 46	19 12	1 20	25 44	3 6	21 2	20 47	1 20			n.a.
W16	23 18	14 52	1 38	18 36	2 46	16 39	3 4	27 38	4 14	9 25	1 5	4 52	2 30	15 0	0 46	19 13	1 20	25 45	3 6	21 3	20 46	1 23			n.a.
T 17	23 12	19 12	0 33	18 25	3 0	16 58	3 0	27 36	4 13	9 28	1 5	4 50	2 30	14 59	0 46	19 13	1 20	25 45	3 6	21 3	20 45	1 26			n.a.
F 18	23 6	22 47	0s35	18 17	3 13	17 16	2 57	27 33	4 12	9 30	1 5	4 48	2 30	14 58	0 46	19 13	1 20	25 45	3 6	21 3	20 45	1 29			n.a.
S 19	22 59	25 20	1 42	18 11	3 25	17 33	2 53	27 31	4 11	9 33	1 5	4 46	2 29	14 57	0 46	19 14	1 20	25 46	3 6	21 2	20 44	1 33			n.a.
S 20	22 52	26 34	2 46	18 9	3 35	17 51	2 49	27 29	4 10	9 35	1 5	4 44	2 29	14 56	0 46	19 14	1 20	25 46	3 6	21 2	20 43	1 36			n.a.
M21	22 44	26 17	3 42	18 9	3 43	18 8	2 46	27 26	4 10	9 37	1 5	4 41	2 29	14 55	0 46	19 15	1 20	25 46	3 6	21 0	20 43	1 39			n.a.
T 22	22 36	24 24	4 26	18 11	3 49	18 24	2 42	27 24	4 8	9 40	1 5	4 39	2 28	14 54	0 46	19 15	1 20	25 47	3 7	20 59	20 42	1 42			n.a.
W23	22 28	21 1	4 55	18 16	3 54	18 41	2 38	27 21	4 7	9 42	1 5	4 37	2 28	14 53	0 46	19 16	1 20	25 47	3 7	20 57	20 41	1 45			n.a.
T 24	22 19	16 23	5 7	18 23	3 56	18 57	2 34	27 19	4 6	9 44	1 6	4 35	2 28	14 52	0 46	19 16	1 20	25 47	3 7	20 56	20 41	1 48			n.a.
F 25	22 9	10 49	5 0	18 32	3 56	19 13	2 30	27 16	4 5	9 46	1 6	4 33	2 28	14 51	0 46	19 16	1 20	25 48	3 7	20 54	20 40	1 52			n.a.
S 26	22 0	4 41	4 34	18 42	3 54	19 28	2 26	27 14	4 4	9 49	1 6	4 31	2 27	14 50	0 46	19 17	1 20	25 48	3 7	20 53	20 39	1 55			n.a.
S 27	21 49	1n40	3 51	18 54	3 50	19 43	2 22	27 12	4 3	9 51	1 6	4 28	2 27	14 49	0 46	19 17	1 20	25 48	3 7	20 53	20 39	1 58			n.a.
M28	21 39	7 56	2 55	19 7	3 44	19 57	2 18	27 9	4 1	9 53	1 6	4 26	2 27	14 48	0 46	19 18	1 20	25 49	3 7	20 53	20 38	2 1			n.a.
T 29	21 28	13 45	1 48	19 21	3 36	20 11	2 14	27 7	4 0	9 54	1 6	4 24	2 27	14 46	0 46	19 18	1 20	25 49	3 8	20 53	20 37	2 4			n.a.
W30	21 17	18 49	0 35	19 35	3 28	20 25	2 10	27 5	3 58	9 56	1 6	4 21	2 27	14 45	0 46	19 19	1 20	25 50	3 8	20 53	20 37	2 8			n.a.
T 31	21s 5	22n50	0n38	19s50	3n17	20s38	2n 5	27n 2	3n57	9s58	1n 6	4s19	2s26	14s44	0s46	19n19	1n21	25s50	3s 8	20n53	20n36	2s11			n.a.

Julian Day Number = 1106707.5, Delta T = 10h56m52s
Ecliptic obliquity = 23°53'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'19, Lahiri = -27°10'19 Julian Calendar 1 Jan. 1683 BCE == Greg. Calendar 18 Dec. 1684 BCE

The year -1682 astronomical counting style corresponds to year 1683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

FEBRUARY 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 45 19	28♉21'09	22♊31	13°R46	13♐28	15°R40	28♎11	24♓56	23♒19	10°R 8	12♐34	1°R39	0♊16	14♎ 4	n.a.	F 1
S 2	7 49 16	29°20'43	6♋ 1	13♉14	14°35	15♊34	28°16	25° 2	23°22	10♌ 7	12°35	1♊34	0°12	14°11	n.a.	S 2
S 3	7 53 12	0♒20'15	19°20	12°49	15°42	15°30	28°21	25° 8	23°25	10° 5	12°37	1°27	0° 9	14°17	n.a.	S 3
M 4	7 57 9	1°19'45	2♌26	12°30	16°49	15°26	28°26	25°13	23°29	10° 3	12°38	1°18	0° 6	14°24	n.a.	M 4
T 5	8 1 5	2°19'13	15°19	12°18	17°56	15°22	28°30	25°19	23°32	10° 2	12°40	1° 7	0° 3	14°31	n.a.	T 5
W 6	8 5 2	3°18'38	27°56	12°11	19° 3	15°20	28°34	25°25	23°35	10° 0	12°41	0°56	29♉59	14°37	n.a.	W 6
T 7	8 8 58	4°18'01	10♍20	12°D11	20°11	15°18	28°38	25°31	23°38	9°58	12°42	0°45	29°57	14°44	n.a.	T 7
F 8	8 12 55	5°17'23	22°30	12°17	21°19	15°17	28°42	25°37	23°42	9°57	12°44	0°35	29°53	14°51	n.a.	F 8
S 9	8 16 51	6°16'42	4♎29	12°28	22°26	15°D17	28°46	25°43	23°45	9°55	12°45	0°28	29°50	14°57	n.a.	S 9
S 10	8 20 48	7°15'59	16°22	12°44	23°34	15°18	28°50	25°49	23°48	9°53	12°46	0°24	29°47	15° 4	n.a.	S 10
M11	8 24 44	8°15'14	28°11	13° 5	24°42	15°19	28°53	25°55	23°52	9°52	12°47	0°21	29°44	15°11	n.a.	M11
T 12	8 28 41	9°14'27	10♏ 3	13°31	25°50	15°21	28°56	26° 1	23°55	9°50	12°49	0°D21	29°41	15°18	n.a.	T 12
W13	8 32 38	10°13'39	22° 2	14° 2	26°59	15°24	28°59	26° 8	23°58	9°48	12°50	0°21	29°37	15°24	n.a.	W13
T 14	8 36 34	11°12'48	4♐15	14°37	28° 7	15°27	29° 2	26°14	24° 2	9°47	12°51	0°R21	29°34	15°31	n.a.	T 14
F 15	8 40 31	12°11'56	16°45	15°16	29°15	15°31	29° 5	26°20	24° 5	9°45	12°52	0°20	29°31	15°38	n.a.	F 15
S 16	8 44 27	13°11'01	29°38	15°59	0♉24	15°36	29° 7	26°27	24° 8	9°44	12°53	0°17	29°28	15°44	n.a.	S 16
S 17	8 48 24	14°10'05	12♉55	16°45	1°33	15°41	29°10	26°33	24°12	9°42	12°54	0°11	29°25	15°51	n.a.	S 17
M18	8 52 20	15° 9'06	26°38	17°35	2°41	15°48	29°12	26°40	24°15	9°40	12°56	0° 3	29°22	15°58	n.a.	M18
T 19	8 56 17	16° 8'06	10♒44	18°28	3°50	15°54	29°14	26°47	24°18	9°39	12°57	29♉52	29°18	16° 4	n.a.	T 19
W20	9 0 13	17° 7'03	25° 9	19°24	4°59	16° 2	29°15	26°53	24°22	9°37	12°58	29°41	29°15	16°11	n.a.	W20
T 21	9 4 10	18° 5'58	9♓47	20°23	6° 8	16°10	29°17	27° 0	24°25	9°35	12°59	29°29	29°12	16°18	n.a.	T 21
F 22	9 8 6	19° 4'51	24°29	21°25	7°17	16°18	29°18	27° 7	24°29	9°34	13° 0	29°20	29° 9	16°24	n.a.	F 22
S 23	9 12 3	20° 3'41	9♈ 8	22°29	8°26	16°28	29°20	27°14	24°32	9°32	13° 1	29°12	29° 6	16°31	n.a.	S 23
S 24	9 16 0	21° 2'29	23°39	23°36	9°36	16°38	29°21	27°21	24°35	9°30	13° 2	29° 8	29° 2	16°38	n.a.	S 24
M25	9 19 56	22° 1'14	7♉56	24°45	10°45	16°48	29°21	27°27	24°39	9°29	13° 3	29° 6	28°59	16°44	n.a.	M25
T 26	9 23 53	22°59'57	21°58	25°56	11°54	16°59	29°22	27°34	24°42	9°27	13° 3	29° 5	28°56	16°51	n.a.	T 26
W27	9 27 49	23°58'38	5♊46	27°10	13° 4	17°11	29°22	27°41	24°46	9°26	13° 4	29° 5	28°53	16°58	n.a.	W27
T 28	9 31 46	24♒57'16	19♊19	28♉26	14♉13	17♊23	29♎23	27♓49	24♒49	9♌24	13♐ 5	29♉ 4	28♉50	17♎ 4	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20s53	25n30	1n49	20s 5	3n 6	20s50	2n 1	27n 0	3n55	10s 0	1n 6	4s16	2s26	14s43	0s46	19n20	1n21	25s50	3s 8	20n53	20n35	2s14		n.a.
S 2	20 40	26 38	2 53	20 20	2 54	21 3	1 57	26 58	3 54	10 2	1 7	4 14	2 26	14 42	0 46	19 20	1 21	25 51	3 8	20 52	20 35	2 17		n.a.
S 3	20 28	26 12	3 46	20 35	2 41	21 14	1 53	26 56	3 52	10 3	1 7	4 11	2 26	14 41	0 46	19 21	1 21	25 51	3 8	20 50	20 34	2 20		n.a.
M 4	20 14	24 18	4 26	20 50	2 28	21 25	1 49	26 54	3 51	10 5	1 7	4 9	2 25	14 40	0 46	19 21	1 21	25 51	3 8	20 49	20 33	2 23		n.a.
T 5	20 1	21 11	4 52	21 5	2 15	21 36	1 44	26 52	3 49	10 6	1 7	4 6	2 25	14 39	0 46	19 22	1 21	25 52	3 9	20 46	20 33	2 27		n.a.
W 6	19 47	17 8	5 3	21 19	2 1	21 46	1 40	26 50	3 48	10 8	1 7	4 4	2 25	14 38	0 46	19 22	1 21	25 52	3 9	20 44	20 32	2 30		n.a.
T 7	19 33	12 26	4 59	21 33	1 47	21 56	1 36	26 48	3 46	10 9	1 7	4 1	2 25	14 37	0 46	19 22	1 21	25 52	3 9	20 42	20 31	2 33		n.a.
F 8	19 18	7 20	4 42	21 46	1 33	22 5	1 32	26 47	3 44	10 10	1 7	3 59	2 24	14 36	0 46	19 23	1 21	25 53	3 9	20 40	20 31	2 36		n.a.
S 9	19 3	2 2	4 12	21 59	1 19	22 13	1 27	26 45	3 43	10 12	1 7	3 56	2 24	14 34	0 46	19 23	1 21	25 53	3 9	20 38	20 30	2 39		n.a.
S 10	18 48	3s18	3 32	22 11	1 6	22 21	1 23	26 44	3 41	10 13	1 8	3 53	2 24	14 33	0 46	19 24	1 21	25 53	3 9	20 37	20 29	2 43		n.a.
M11	18 33	8 30	2 42	22 22	0 53	22 28	1 19	26 42	3 39	10 14	1 8	3 51	2 24	14 32	0 46	19 24	1 21	25 54	3 10	20 37	20 28	2 46		n.a.
T 12	18 17	13 26	1 46	22 32	0 40	22 35	1 15	26 41	3 38	10 15	1 8	3 48	2 24	14 31	0 46	19 25	1 21	25 54	3 10	20 37	20 28	2 49		n.a.
W13	18 1	17 55	0 44	22 41	0 27	22 41	1 10	26 39	3 36	10 16	1 8	3 45	2 23	14 30	0 46	19 25	1 21	25 54	3 10	20 37	20 27	2 52		n.a.
T 14	17 44	21 44	0s21	22 50	0 15	22 47	1 6	26 38	3 34	10 17	1 8	3 43	2 23	14 29	0 46	19 26	1 21	25 54	3 10	20 37	20 26	2 55		n.a.
F 15	17 28	24 39	1 26	22 57	0 3	22 51	1 2	26 37	3 33	10 18	1 8	3 40	2 23	14 28	0 46	19 26	1 21	25 55	3 10	20 36	20 26	2 59		n.a.
S 16	17 11	26 22	2 29	23 4	0s 9	22 56	0 58	26 36	3 31	10 18	1 8	3 37	2 23	14 26	0 46	19 27	1 21	25 55	3 10	20 36	20 25	3 2		n.a.
S 17	16 53	26 39	3 25	23 9	0 20	22 59	0 54	26 34	3 29	10 19	1 8	3 34	2 23	14 25	0 46	19 27	1 21	25 55	3 11	20 34	20 24	3 5		n.a.
M18	16 36	25 20	4 12	23 13	0 31	23 2	0 49	26 33	3 28	10 20	1 8	3 31	2 23	14 24	0 46	19 28	1 21	25 56	3 11	20 33	20 24	3 8		n.a.
T 19	16 18	22 25	4 44	23 16	0 41	23 5	0 45	26 33	3 26	10 20	1 9	3 28	2 22	14 23	0 46	19 28	1 21	25 56	3 11	20 30	20 23	3 11		n.a.
W20	16 0	18 4	5 0	23 17	0 50	23 7	0 41	26 32	3 24	10 21	1 9	3 26	2 22	14 22	0 46	19 28	1 21	25 56	3 11	20 28	20 22	3 15		n.a.
T 21	15 42	12 36	4 56	23 18	1 0	23 8	0 37	26 31	3 23	10 21	1 9	3 23	2 22	14 21	0 46	19 29	1 21	25 57	3 11	20 25	20 22	3 18		n.a.
F 22	15 23	6 23	4 33	23 17	1 9	23 8	0 33	26 30	3 21	10 22	1 9	3 20	2 22	14 20	0 46	19 29	1 21	25 57	3 11	20 23	20 21	3 21		n.a.
S 23	15 4	0n 9	3 51	23 14	1 17	23 8	0 29	26 29	3 19	10 22	1 9	3 17	2 22	14 18	0 46	19 30	1 21	25 57	3 11	20 22	20 20	3 24		n.a.
S 24	14 45	6 38	2 56	23 11	1 25	23 7	0 25	26 29	3 17	10 22	1 9	3 14	2 21	14 17	0 46	19 30	1 21	25 58	3 12	20 21	20 19	3 27		n.a.
M25	14 26	12 42	1 49	23 5	1 32	23 6	0 21	26 28	3 16	10 23	1 9	3 11	2 21	14 16	0 46	19 31	1 21	25 58	3 12	20 20	20 19	3 30		n.a.
T 26	14 6	18 0	0 38	22 59	1 39	23 4	0 17	26 28	3 14	10 23	1 9	3 8	2 21	14 15	0 46	19 31	1 21	25 58	3 12	20 20	20 18	3 34		n.a.
W27	13 47	22 15	0n35	22 51	1 45	23 1	0 13	26 27	3 12	10 23	1 9	3 5	2 21	14 14	0 46	19 32	1 21	25 58	3 12	20 20	20 17	3 37		n.a.
T 28	13s27	25n12	1n45	22s41	1s51	22s58	0n 9	26n27	3n11	10s23	1n10	3s 2	2s21	14s13	0s46	19n32	1n21	25s59	3s12	20n20	20n17	3s40		n.a.

Julian Day Number = 1106738.5, Delta T = 10h56m50s
Ecliptic obliquity = 23°53'31, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'15, Lahiri = -27°10'15 Julian Calendar 1 Feb. 1683 BCE == Greg. Calendar 18 Jan. 1683 BCE

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

MARCH 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 35 42	25♒55'52	2♋39	29♉43	15♉23	17♊35	29°R23	27♓56	24♒52	9°R22	13♐ 6	29°R 1	28♉47	17♎11	n.a.	F 1
S 2	9 39 39	26°54'26	15°47	1♒ 3	16°32	17°48	29♎23	28° 3	24°56	9♏21	13° 7	28♉56	28°43	17°18	n.a.	S 2
S 3	9 43 35	27°52'57	28°44	2°25	17°42	18° 2	29°22	28°10	24°59	9°19	13° 7	28°47	28°40	17°24	n.a.	S 3
M 4	9 47 32	28°51'26	11♏29	3°49	18°52	18°16	29°22	28°17	25° 3	9°18	13° 8	28°36	28°37	17°31	n.a.	M 4
T 5	9 51 29	29°49'53	24° 4	5°14	20° 1	18°31	29°21	28°25	25° 6	9°16	13° 9	28°23	28°34	17°38	n.a.	T 5
W 6	9 55 25	0♓48'18	6♍28	6°41	21°11	18°46	29°20	28°32	25°10	9°15	13°10	28° 9	28°31	17°45	n.a.	W 6
T 7	9 59 22	1°46'41	18°41	8°11	22°21	19° 2	29°19	28°39	25°13	9°13	13°10	27°56	28°28	17°51	n.a.	T 7
F 8	10 3 18	2°45'01	0♎45	9°41	23°31	19°18	29°18	28°47	25°16	9°12	13°11	27°44	28°24	17°58	n.a.	F 8
S 9	10 7 15	3°43'20	12°41	11°14	24°41	19°34	29°17	28°54	25°20	9°10	13°11	27°35	28°21	18° 5	n.a.	S 9
S 10	10 11 11	4°41'37	24°31	12°49	25°51	19°51	29°15	29° 1	25°23	9° 9	13°12	27°28	28°18	18°11	n.a.	S 10
M11	10 15 8	5°39'53	6♏19	14°25	27° 2	20° 9	29°13	29° 9	25°26	9° 7	13°13	27°25	28°15	18°18	n.a.	M11
T 12	10 19 4	6°38'06	18°10	16° 3	28°12	20°26	29°11	29°16	25°30	9° 6	13°13	27°23	28°12	18°25	n.a.	T 12
W13	10 23 1	7°36'18	0♐ 8	17°42	29°22	20°45	29° 9	29°24	25°33	9° 5	13°14	27°D23	28° 8	18°31	n.a.	W13
T 14	10 26 57	8°34'29	12°19	19°24	0♒32	21° 3	29° 7	29°32	25°37	9° 3	13°14	27°R23	28° 5	18°38	n.a.	T 14
F 15	10 30 54	9°32'38	24°47	21° 7	1°43	21°22	29° 4	29°39	25°40	9° 2	13°14	27°22	28° 2	18°45	n.a.	F 15
S 16	10 34 51	10°30'45	7♉39	22°52	2°53	21°42	29° 2	29°47	25°43	9° 0	13°15	27°20	27°59	18°51	n.a.	S 16
S 17	10 38 47	11°28'51	20°57	24°38	4° 4	22° 1	28°59	29°54	25°47	8°59	13°15	27°15	27°56	18°58	n.a.	S 17
M18	10 42 44	12°26'55	4♒44	26°27	5°14	22°22	28°56	0♈ 2	25°50	8°58	13°16	27° 7	27°53	19° 5	n.a.	M18
T 19	10 46 40	13°24'57	18°59	28°17	6°25	22°42	28°52	0°10	25°53	8°56	13°16	26°58	27°49	19°11	n.a.	T 19
W20	10 50 37	14°22'58	3♓38	0♓ 9	7°36	23° 3	28°49	0°18	25°56	8°55	13°16	26°47	27°46	19°18	n.a.	W20
T 21	10 54 33	15°20'57	18°34	2° 2	8°46	23°24	28°45	0°25	26° 0	8°54	13°16	26°37	27°43	19°25	n.a.	T 21
F 22	10 58 30	16°18'54	3♈37	3°58	9°57	23°46	28°42	0°33	26° 3	8°53	13°17	26°28	27°40	19°31	n.a.	F 22
S 23	11 2 26	17°16'49	18°38	5°55	11° 8	24° 8	28°38	0°41	26° 6	8°51	13°17	26°21	27°37	19°38	n.a.	S 23
S 24	11 6 23	18°14'42	3♉29	7°54	12°18	24°30	28°34	0°49	26° 9	8°50	13°17	26°16	27°34	19°45	n.a.	S 24
M25	11 10 19	19°12'34	18° 2	9°54	13°29	24°53	28°29	0°56	26°13	8°49	13°17	26°15	27°30	19°51	n.a.	M25
T 26	11 14 16	20°10'23	2♊15	11°56	14°40	25°16	28°25	1° 4	26°16	8°48	13°17	26°D15	27°27	19°58	n.a.	T 26
W27	11 18 13	21° 8'11	16° 7	14° 0	15°51	25°39	28°20	1°12	26°19	8°47	13°17	26°R15	27°24	20° 5	n.a.	W27
T 28	11 22 9	22° 5'57	29°38	16° 5	17° 2	26° 2	28°16	1°20	26°22	8°46	13°18	26°15	27°21	20°11	n.a.	T 28
F 29	11 26 6	23° 3'41	12♋50	18°11	18°13	26°26	28°11	1°28	26°25	8°45	13°18	26°13	27°18	20°18	n.a.	F 29
S 30	11 30 2	24° 1'23	25°45	20°19	19°24	26°50	28° 6	1°36	26°28	8°44	13°R18	26° 9	27°14	20°25	n.a.	S 30
S 31	11 33 59	24♓59'04	8♏27	22♓28	20♒35	27♊15	28♎ 1	1♈44	26♒32	8♏42	13♐18	26♉ 3	27♉11	20♎31	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s 7	26n39	2n47	22s29	1s57	22s54	0n 6	26n26	3n 9	10s23	1n10	2s59	2s21	14s11	0s46	19n32	1n21	25s59	3s13	20n19	20n16	3s43		n.a.
S 2	12 47	26 34	3 40	22 17	2 2	22 49	0 2	26 26	3 8	10 23	1 10	2 56	2 21	14 10	0 46	19 33	1 21	25 59	3 13	20 18	20 15	3 46		n.a.
S 3	12 26	25 2	4 20	22 2	2 6	22 43	0s 2	26 26	3 6	10 22	1 10	2 53	2 20	14 9	0 46	19 33	1 21	25 59	3 13	20 16	20 14	3 50		n.a.
M 4	12 5	22 14	4 47	21 46	2 10	22 37	0 5	26 25	3 4	10 22	1 10	2 50	2 20	14 8	0 46	19 34	1 21	26 0	3 13	20 13	20 14	3 53		n.a.
T 5	11 45	18 26	4 59	21 28	2 13	22 31	0 9	26 25	3 3	10 22	1 10	2 47	2 20	14 7	0 46	19 34	1 21	26 0	3 13	20 10	20 13	3 56		n.a.
W 6	11 24	13 53	4 57	21 9	2 16	22 24	0 12	26 25	3 1	10 21	1 10	2 44	2 20	14 6	0 46	19 35	1 21	26 0	3 13	20 7	20 12	3 59		n.a.
T 7	11 2	8 51	4 41	20 47	2 18	22 16	0 16	26 25	3 0	10 21	1 10	2 41	2 20	14 4	0 46	19 35	1 21	26 1	3 14	20 4	20 12	4 2		n.a.
F 8	10 41	3 32	4 12	20 24	2 20	22 7	0 19	26 24	2 58	10 20	1 10	2 38	2 20	14 3	0 46	19 35	1 21	26 1	3 14	20 2	20 11	4 6		n.a.
S 9	10 20	1s50	3 33	20 0	2 21	21 58	0 23	26 24	2 56	10 20	1 10	2 34	2 20	14 2	0 46	19 36	1 21	26 1	3 14	20 0	20 10	4 9		n.a.
S 10	9 58	7 8	2 45	19 33	2 22	21 48	0 26	26 24	2 55	10 19	1 11	2 31	2 20	14 1	0 46	19 36	1 21	26 1	3 14	19 58	20 9	4 12		n.a.
M11	9 36	12 10	1 49	19 5	2 22	21 38	0 29	26 24	2 53	10 18	1 11	2 28	2 19	14 0	0 46	19 37	1 21	26 2	3 14	19 57	20 9	4 15		n.a.
T 12	9 15	16 47	0 49	18 35	2 22	21 27	0 33	26 24	2 52	10 18	1 11	2 25	2 19	13 59	0 46	19 37	1 21	26 2	3 14	19 57	20 8	4 18		n.a.
W13	8 53	20 48	0s15	18 3	2 21	21 15	0 36	26 23	2 50	10 17	1 11	2 22	2 19	13 57	0 46	19 37	1 21	26 2	3 15	19 57	20 7	4 22		n.a.
T 14	8 30	23 59	1 18	17 29	2 20	21 3	0 39	26 23	2 49	10 16	1 11	2 19	2 19	13 56	0 46	19 38	1 21	26 2	3 15	19 57	20 7	4 25		n.a.
F 15	8 8	26 7	2 20	16 54	2 18	20 50	0 42	26 23	2 47	10 15	1 11	2 16	2 19	13 55	0 46	19 38	1 21	26 2	3 15	19 57	20 6	4 28		n.a.
S 16	7 46	26 56	3 16	16 17	2 15	20 36	0 45	26 23	2 46	10 14	1 11	2 12	2 19	13 54	0 46	19 38	1 21	26 3	3 15	19 56	20 5	4 31		n.a.
S 17	7 23	26 14	4 4	15 38	2 12	20 22	0 48	26 23	2 44	10 13	1 11	2 9	2 19	13 53	0 46	19 39	1 21	26 3	3 15	19 55	20 4	4 34		n.a.
M18	7 1	23 57	4 39	14 57	2 9	20 8	0 50	26 22	2 43	10 11	1 11	2 6	2 19	13 52	0 46	19 39	1 21	26 3	3 16	19 53	20 4	4 38		n.a.
T 19	6 38	20 8	4 59	14 14	2 5	19 53	0 53	26 22	2 41	10 10	1 11	2 3	2 19	13 51	0 46	19 39	1 21	26 3	3 16	19 51	20 3	4 41		n.a.
W20	6 16	15 0	5 0	13 30	2 0	19 37	0 56	26 22	2 40	10 9	1 11	2 0	2 19	13 50	0 46	19 40	1 21	26 4	3 16	19 48	20 2	4 44		n.a.
T 21	5 53	8 53	4 40	12 44	1 55	19 21	0 58	26 22	2 38	10 8	1 11	1 56	2 18	13 48	0 46	19 40	1 21	26 4	3 16	19 46	20 1	4 47		n.a.
F 22	5 30	2 13	4 1	11 56	1 49	19 4	1 1	26 21	2 37	10 6	1 11	1 53	2 18	13 47	0 46	19 40	1 21	26 4	3 16	19 44	20 1	4 50		n.a.
S 23	5 7	4n35	3 6	11 6	1 43	18 47	1 3	26 21	2 35	10 5	1 12	1 50	2 18	13 46	0 46	19 41	1 21	26 4	3 16	19 42	20 0	4 54		n.a.
S 24	4 44	11 4	1 58	10 15	1 36	18 29	1 6	26 20	2 34	10 3	1 12	1 47	2 18	13 45	0 46	19 41	1 21	26 4	3 17	19 41	19 59	4 57		n.a.
M25	4 21	16 50	0 44	9 22	1 28	18 10	1 8	26 20	2 33	10 2	1 12	1 43	2 18	13 44	0 46	19 41	1 21	26 5	3 17	19 41	19 58	5 0		n.a.
T 26	3 58	21 32	0n32	8 27	1 21	17 52	1 10	26 19	2 31	10 0	1 12	1 40	2 18	13 43	0 46	19 42	1 21	26 5	3 17	19 41	19 58	5 3		n.a.
W27	3 35	24 52	1 44	7 31	1 12	17 32	1 13	26 19	2 30	9 58	1 12	1 37	2 18	13 42	0 46	19 42	1 21	26 5	3 17	19 41	19 57	5 6		n.a.
T 28	3 11	26 42	2 48	6 34	1 3	17 12	1 15	26 18	2 29	9 57	1 12	1 34	2 18	13 41	0 46	19 42	1 20	26 5	3 17	19 41	19 56	5 10		n.a.
F 29	2 48	26 56	3 42	5 35	0 54	16 52	1 17	26 18	2 27	9 55	1 12	1 31	2 18	13 40	0 46	19 42	1 20	26 5	3 17	19 40	19 56	5 13		n.a.
S 30	2 25	25 42	4 23	4 35	0 45	16 31	1 19	26 17	2 26	9 53	1 12	1 27	2 18	13 39	0 46	19 43	1 20	26 6	3 18	19 39	19 55	5 16		n.a.
S 31	2s 2	23n 9	4n50	3s35	0s35	16s10	1s20	26n16	2n24	9s51	1n12	1s24	2s18	13s37	0s46	19n43	1n20	26s 6	3s18	19n38	19n54	5s19		n.a.

Julian Day Number = 1106766.5, Delta T = 10h56m49s
Ecliptic obliquity = 23°53'31, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'11, Lahiri = -27°10'11 Julian Calendar 1 March 1683 BCE == Greg. Calendar 15 Feb. 1683 BCE

The year -1682 astronomical counting style corresponds to year 1683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

APRIL 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 37 55	25♓56'42	20♌56	24♓37	21♒46	27♊40	27°R55	1♈51	26♒35	8°R41	13°R18	25°R54	27♉ 8	20♎38	n.a.	M 1
T 2	11 41 52	26°54'19	3♍15	26°47	22°57	28° 5	27♎50	1°59	26°38	8♌40	13♐17	25♉44	27° 5	20°45	n.a.	T 2
W 3	11 45 48	27°51'54	15°26	28°58	24° 8	28°30	27°44	2° 7	26°41	8°40	13°17	25°33	27° 2	20°51	n.a.	W 3
T 4	11 49 45	28°49'28	27°28	1♈ 8	25°19	28°55	27°39	2°15	26°44	8°39	13°17	25°23	26°59	20°58	n.a.	T 4
F 5	11 53 42	29°47'01	9♎24	3°19	26°31	29°21	27°33	2°23	26°47	8°38	13°17	25°13	26°55	21° 5	n.a.	F 5
S 6	11 57 38	0♈44'32	21°16	5°29	27°42	29°47	27°27	2°31	26°50	8°37	13°17	25° 6	26°52	21°11	n.a.	S 6
S 7	12 1 35	1°42'01	3♏ 4	7°39	28°53	0♋13	27°21	2°39	26°53	8°36	13°17	25° 2	26°49	21°18	n.a.	S 7
M 8	12 5 31	2°39'30	14°53	9°48	0♓ 4	0°40	27°15	2°47	26°56	8°35	13°16	24°59	26°46	21°25	n.a.	M 8
T 9	12 9 28	3°36'58	26°44	11°55	1°16	1° 6	27° 8	2°55	26°59	8°34	13°16	24°D59	26°43	21°31	n.a.	T 9
W10	12 13 24	4°34'24	8♐44	14° 1	2°27	1°33	27° 2	3° 3	27° 1	8°34	13°16	24°59	26°39	21°38	n.a.	W10
T 11	12 17 21	5°31'50	20°54	16° 6	3°39	2° 1	26°55	3°11	27° 4	8°33	13°16	25° 0	26°36	21°45	n.a.	T 11
F 12	12 21 17	6°29'15	3♑22	18° 8	4°50	2°28	26°49	3°18	27° 7	8°32	13°15	25°R 1	26°33	21°52	n.a.	F 12
S 13	12 25 14	7°26'38	16°11	20° 9	6° 2	2°56	26°42	3°26	27°10	8°31	13°15	25° 1	26°30	21°58	n.a.	S 13
S 14	12 29 11	8°24'01	29°26	22° 7	7°13	3°23	26°35	3°34	27°13	8°31	13°14	24°59	26°27	22° 5	n.a.	S 14
M15	12 33 7	9°21'23	13♒ 8	24° 3	8°25	3°52	26°28	3°42	27°15	8°30	13°14	24°55	26°24	22°12	n.a.	M15
T 16	12 37 4	10°18'45	27°20	25°56	9°36	4°20	26°21	3°50	27°18	8°30	13°14	24°50	26°20	22°18	n.a.	T 16
W17	12 41 0	11°16'05	11♓58	27°47	10°48	4°48	26°14	3°58	27°21	8°29	13°13	24°43	26°17	22°25	n.a.	W17
T 18	12 44 57	12°13'24	26°56	29°35	12° 0	5°17	26° 7	4° 6	27°23	8°28	13°13	24°37	26°14	22°32	n.a.	T 18
F 19	12 48 53	13°10'43	12♈ 7	1♉21	13°11	5°46	26° 0	4°14	27°26	8°28	13°12	24°32	26°11	22°38	n.a.	F 19
S 20	12 52 50	14° 8'00	27°20	3° 3	14°23	6°15	25°52	4°22	27°29	8°27	13°11	24°27	26° 8	22°45	n.a.	S 20
S 21	12 56 46	15° 5'17	12♉25	4°43	15°35	6°44	25°45	4°29	27°31	8°27	13°11	24°25	26° 5	22°52	n.a.	S 21
M22	13 0 43	16° 2'33	27°14	6°20	16°47	7°14	25°38	4°37	27°34	8°27	13°10	24°D25	26° 1	22°58	n.a.	M22
T 23	13 4 40	16°59'47	11♊41	7°55	17°58	7°44	25°30	4°45	27°36	8°26	13°10	24°26	25°58	23° 5	n.a.	T 23
W24	13 8 36	17°57'01	25°43	9°26	19°10	8°13	25°23	4°53	27°39	8°26	13° 9	24°27	25°55	23°12	n.a.	W24
T 25	13 12 33	18°54'13	9♋20	10°55	20°22	8°43	25°15	5° 1	27°41	8°26	13° 8	24°28	25°52	23°18	n.a.	T 25
F 26	13 16 29	19°51'25	22°33	12°20	21°34	9°14	25° 8	5° 8	27°44	8°25	13° 8	24°R28	25°49	23°25	n.a.	F 26
S 27	13 20 26	20°48'35	5♌26	13°43	22°46	9°44	25° 0	5°16	27°46	8°25	13° 7	24°27	25°45	23°32	n.a.	S 27
S 28	13 24 22	21°45'45	18° 1	15° 2	23°58	10°15	24°52	5°24	27°48	8°25	13° 6	24°25	25°42	23°38	n.a.	S 28
M29	13 28 19	22°42'53	0♍21	16°19	25°10	10°45	24°45	5°32	27°50	8°25	13° 5	24°21	25°39	23°45	n.a.	M29
T 30	13 32 15	23♈40'00	12♍30	17♉32	26♓22	11♋16	24♎37	5♈39	27♒53	8♌24	13♐ 5	24♉17	25♉36	23♎52	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1s38	19n33	5n 3	2s33	0s25	15s49	1s22	26n15	2n23	9s49	1n12	1s21	2s18	13s36	0s46	19n43	1n20	26s 6	3s18	19n36	19n53	5s22		n.a.
T 2	1 15	15 10	5 1	1 31	0 14	15 27	1 24	26 14	2 22	9 47	1 12	1 18	2 18	13 35	0 46	19 43	1 20	26 6	3 18	19 33	19 53	5 26		n.a.
W 3	0 52	10 14	4 46	0 29	0 4	15 4	1 26	26 13	2 20	9 45	1 12	1 14	2 18	13 34	0 46	19 44	1 20	26 6	3 18	19 31	19 52	5 29		n.a.
T 4	0 29	4 58	4 18	0n34	0n 7	14 41	1 27	26 12	2 19	9 43	1 12	1 11	2 18	13 33	0 46	19 44	1 20	26 6	3 19	19 28	19 51	5 32		n.a.
F 5	0 5	0s27	3 39	1 36	0 17	14 18	1 29	26 11	2 18	9 41	1 12	1 8	2 18	13 32	0 46	19 44	1 20	26 7	3 19	19 26	19 50	5 35		n.a.
S 6	0n18	5 49	2 51	2 39	0 28	13 54	1 30	26 10	2 17	9 39	1 12	1 5	2 18	13 31	0 46	19 44	1 20	26 7	3 19	19 24	19 50	5 38		n.a.
S 7	0 41	10 58	1 55	3 40	0 38	13 30	1 31	26 9	2 15	9 36	1 12	1 1	2 18	13 30	0 46	19 45	1 20	26 7	3 19	19 23	19 49	5 42		n.a.
M 8	1 5	15 45	0 54	4 41	0 48	13 6	1 33	26 7	2 14	9 34	1 12	0 58	2 18	13 29	0 46	19 45	1 20	26 7	3 19	19 22	19 48	5 45		n.a.
T 9	1 28	19 57	0s10	5 42	0 58	12 41	1 34	26 6	2 13	9 32	1 12	0 55	2 18	13 28	0 46	19 45	1 20	26 7	3 19	19 22	19 47	5 48		n.a.
W10	1 51	23 23	1 14	6 40	1 8	12 16	1 35	26 4	2 12	9 29	1 12	0 52	2 17	13 27	0 46	19 45	1 20	26 7	3 20	19 22	19 47	5 51		n.a.
T 11	2 14	25 49	2 15	7 38	1 17	11 51	1 36	26 3	2 10	9 27	1 12	0 49	2 17	13 26	0 46	19 45	1 20	26 7	3 20	19 23	19 46	5 54		n.a.
F 12	2 37	27 3	3 12	8 34	1 26	11 25	1 37	26 1	2 9	9 25	1 12	0 45	2 17	13 25	0 46	19 45	1 20	26 8	3 20	19 23	19 45	5 57		n.a.
S 13	3 0	26 53	4 1	9 28	1 34	10 59	1 38	25 59	2 8	9 22	1 12	0 42	2 17	13 24	0 46	19 46	1 20	26 8	3 20	19 23	19 44	6 1		n.a.
S 14	3 24	25 12	4 39	10 20	1 42	10 32	1 38	25 57	2 7	9 20	1 12	0 39	2 17	13 23	0 46	19 46	1 20	26 8	3 20	19 22	19 44	6 4		n.a.
M15	3 47	22 1	5 2	11 11	1 49	10 6	1 39	25 55	2 5	9 17	1 12	0 36	2 17	13 22	0 46	19 46	1 20	26 8	3 20	19 21	19 43	6 7		n.a.
T 16	4 9	17 26	5 9	11 59	1 55	9 39	1 40	25 53	2 4	9 15	1 12	0 33	2 17	13 22	0 46	19 46	1 20	26 8	3 21	19 20	19 42	6 10		n.a.
W17	4 32	11 44	4 55	12 46	2 1	9 12	1 40	25 51	2 3	9 12	1 12	0 29	2 17	13 21	0 46	19 46	1 20	26 8	3 21	19 18	19 41	6 13		n.a.
T 18	4 55	5 13	4 22	13 30	2 6	8 44	1 41	25 49	2 2	9 10	1 12	0 26	2 17	13 20	0 46	19 46	1 20	26 8	3 21	19 17	19 41	6 17		n.a.
F 19	5 18	1n41	3 29	14 12	2 11	8 17	1 41	25 46	2 1	9 7	1 12	0 23	2 17	13 19	0 46	19 46	1 20	26 8	3 21	19 16	19 40	6 20		n.a.
S 20	5 41	8 31	2 22	14 52	2 14	7 49	1 41	25 44	1 59	9 4	1 12	0 20	2 18	13 18	0 46	19 46	1 20	26 8	3 21	19 15	19 39	6 23		n.a.
S 21	6 3	14 50	1 5	15 29	2 17	7 21	1 42	25 41	1 58	9 2	1 11	0 17	2 18	13 17	0 46	19 47	1 20	26 9	3 22	19 14	19 38	6 26		n.a.
M22	6 26	20 10	0n15	16 5	2 20	6 52	1 42	25 38	1 57	8 59	1 11	0 14	2 18	13 16	0 46	19 47	1 20	26 9	3 22	19 14	19 38	6 29		n.a.
T 23	6 48	24 9	1 33	16 38	2 21	6 24	1 42	25 35	1 56	8 56	1 11	0 11	2 18	13 15	0 46	19 47	1 20	26 9	3 22	19 14	19 37	6 33		n.a.
W24	7 10	26 31	2 42	17 9	2 22	5 55	1 42	25 32	1 55	8 54	1 11	0 7	2 18	13 15	0 46	19 47	1 20	26 9	3 22	19 14	19 36	6 36		n.a.
T 25	7 32	27 13	3 41	17 38	2 22	5 26	1 42	25 29	1 54	8 51	1 11	0 4	2 18	13 14	0 46	19 47	1 20	26 9	3 22	19 15	19 35	6 39		n.a.
F 26	7 54	26 19	4 25	18 4	2 21	4 57	1 41	25 26	1 53	8 48	1 11	0 1	2 18	13 13	0 46	19 47	1 20	26 9	3 22	19 15	19 34	6 42		n.a.
S 27	8 16	24 2	4 55	18 28	2 20	4 28	1 41	25 23	1 51	8 46	1 11	0n 2	2 18	13 12	0 46	19 47	1 20	26 9	3 23	19 15	19 34	6 45		n.a.
S 28	8 38	20 37	5 10	18 51	2 18	3 59	1 41	25 19	1 50	8 43	1 11	0 5	2 18	13 11	0 47	19 47	1 20	26 9	3 23	19 14	19 33	6 48		n.a.
M29	9 0	16 23	5 10	19 11	2 15	3 29	1 41	25 16	1 49	8 40	1 11	0 8	2 18	13 11	0 47	19 47	1 20	26 9	3 23	19 13	19 32	6 52		n.a.
T 30	9n21	11n33	4n57	19n29	2n11	3s 0	1s40	25n12	1n48	8s37	1n11	0n11	2s18	13s10	0s47	19n47	1n20	26s 9	3s23	19n12	19n31	6s55		n.a.

Julian Day Number = 1106797.5, Delta T = 10h56m47s
Ecliptic obliquity = 23°53'32, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'07, Lahiri = -27°10'07 Julian Calendar 1 Apr. 1683 BCE == Greg. Calendar 18 March 1683 BCE

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

MAY 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 36 12	24♈37'07	24♍31	18♉43	27♓34	11♋47	24°R30	5♈47	27♒55	8°R24	13°R 4	24°R11	25♉33	23♎58	n.a.	W 1
T 2	13 40 9	25°34'13	6♎25	19°50	28°46	12°19	24♎22	5°55	27°57	8♌24	13♐ 3	24♉ 7	25°30	24° 5	n.a.	T 2
F 3	13 44 5	26°31'18	18°16	20°54	29°58	12°50	24°14	6° 2	27°59	8°24	13° 2	24° 2	25°26	24°12	n.a.	F 3
S 4	13 48 2	27°28'23	0♏ 5	21°54	1♈10	13°22	24° 7	6°10	28° 1	8°24	13° 1	23°59	25°23	24°18	n.a.	S 4
S 5	13 51 58	28°25'28	11°54	22°51	2°22	13°53	23°59	6°17	28° 3	8°D24	13° 0	23°57	25°20	24°25	n.a.	S 5
M 6	13 55 55	29°22'32	23°46	23°45	3°34	14°25	23°51	6°25	28° 5	8°24	12°59	23°D57	25°17	24°32	n.a.	M 6
T 7	13 59 51	0♉19'36	5♐43	24°35	4°46	14°57	23°44	6°32	28° 7	8°24	12°58	23°57	25°14	24°38	n.a.	T 7
W 8	14 3 48	1°16'39	17°48	25°21	5°59	15°29	23°36	6°40	28° 9	8°24	12°58	23°58	25°10	24°45	n.a.	W 8
T 9	14 7 44	2°13'43	0♑ 5	26° 4	7°11	16° 2	23°29	6°47	28°11	8°24	12°57	24° 0	25° 7	24°52	n.a.	T 9
F 10	14 11 41	3°10'46	12°36	26°42	8°23	16°34	23°21	6°55	28°13	8°24	12°56	24° 1	25° 4	24°58	n.a.	F 10
S 11	14 15 38	4° 7'50	25°26	27°17	9°36	17° 7	23°14	7° 2	28°15	8°25	12°55	24° 2	25° 1	25° 5	n.a.	S 11
S 12	14 19 34	5° 4'54	8♒37	27°47	10°48	17°40	23° 7	7° 9	28°17	8°25	12°54	24°R 2	24°58	25°12	n.a.	S 12
M13	14 23 31	6° 1'57	22°14	28°13	12° 0	18°12	22°59	7°17	28°19	8°25	12°52	24° 2	24°55	25°18	n.a.	M13
T 14	14 27 27	6°59'01	6♓16	28°35	13°13	18°45	22°52	7°24	28°20	8°25	12°51	24° 0	24°51	25°25	n.a.	T 14
W15	14 31 24	7°56'05	20°43	28°52	14°25	19°19	22°45	7°31	28°22	8°26	12°50	23°59	24°48	25°32	n.a.	W15
T 16	14 35 20	8°53'09	5♈30	29° 5	15°38	19°52	22°38	7°38	28°24	8°26	12°49	23°57	24°45	25°38	n.a.	T 16
F 17	14 39 17	9°50'13	20°33	29°13	16°50	20°25	22°31	7°46	28°25	8°26	12°48	23°55	24°42	25°45	n.a.	F 17
S 18	14 43 14	10°47'17	5♉43	29°R17	18° 3	20°59	22°24	7°53	28°27	8°27	12°47	23°54	24°39	25°52	n.a.	S 18
S 19	14 47 10	11°44'21	20°49	29°16	19°15	21°33	22°17	8° 0	28°28	8°27	12°46	23°D54	24°36	25°58	n.a.	S 19
M20	14 51 7	12°41'26	5♊44	29°11	20°28	22° 7	22°10	8° 7	28°30	8°28	12°45	23°54	24°32	26° 5	n.a.	M20
T 21	14 55 3	13°38'30	20°20	29° 1	21°41	22°41	22° 3	8°14	28°31	8°28	12°43	23°54	24°29	26°12	n.a.	T 21
W22	14 59 0	14°35'34	4♋31	28°46	22°53	23°15	21°57	8°21	28°32	8°29	12°42	23°55	24°26	26°18	n.a.	W22
T 23	15 2 56	15°32'39	18°17	28°28	24° 6	23°49	21°50	8°28	28°34	8°29	12°41	23°56	24°23	26°25	n.a.	T 23
F 24	15 6 53	16°29'43	1♌36	28° 5	25°19	24°23	21°44	8°34	28°35	8°30	12°40	23°56	24°20	26°32	n.a.	F 24
S 25	15 10 50	17°26'47	14°31	27°39	26°31	24°58	21°38	8°41	28°36	8°31	12°39	23°R57	24°16	26°38	n.a.	S 25
S 26	15 14 46	18°23'51	27° 6	27° 9	27°44	25°32	21°32	8°48	28°37	8°31	12°37	23°57	24°13	26°45	n.a.	S 26
M27	15 18 43	19°20'55	9♍23	26°37	28°57	26° 7	21°26	8°55	28°38	8°32	12°36	23°56	24°10	26°52	n.a.	M27
T 28	15 22 39	20°17'59	21°28	26° 2	0♉10	26°42	21°20	9° 1	28°40	8°33	12°35	23°56	24° 7	26°58	n.a.	T 28
W29	15 26 36	21°15'03	3♎24	25°25	1°23	27°17	21°14	9° 8	28°41	8°34	12°33	23°56	24° 4	27° 5	n.a.	W29
T 30	15 30 32	22°12'07	15°14	24°47	2°36	27°52	21° 8	9°14	28°42	8°34	12°32	23°55	24° 1	27°11	n.a.	T 30
F 31	15 34 29	23♉ 9'12	27♎ 3	24♉ 8	3♉48	28♋27	21♎ 3	9♈21	28♒42	8♌35	12♐31	23♉55	23♉57	27♎18	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9n43	6n20	4n30	19n45	2n 7	2s30	1s40	25n 8	1n47	8s35	1n10	0n14	2s18	13s 9	0s47	19n47	1n20	26s 9	3s23	19n11	19n31	6s58		n.a.
T 2	10 4	0 56	3 52	19 58	2 1	2 1	1 39	25 4	1 46	8 32	1 10	0 17	2 18	13 8	0 47	19 47	1 19	26 9	3 23	19 9	19 30	7 1		n.a.
F 3	10 25	4s28	3 3	20 10	1 55	1 31	1 38	25 0	1 45	8 29	1 10	0 20	2 18	13 8	0 47	19 47	1 19	26 9	3 23	19 8	19 29	7 4		n.a.
S 4	10 46	9 44	2 7	20 20	1 49	1 1	1 38	24 56	1 44	8 26	1 10	0 23	2 18	13 7	0 47	19 47	1 19	26 9	3 24	19 7	19 28	7 8		n.a.
S 5	11 7	14 39	1 6	20 28	1 41	0 31	1 37	24 51	1 43	8 24	1 10	0 26	2 18	13 6	0 47	19 47	1 19	26 9	3 24	19 7	19 27	7 11		n.a.
M 6	11 28	19 3	0 1	20 34	1 33	0 1	1 36	24 47	1 42	8 21	1 10	0 29	2 18	13 5	0 47	19 47	1 19	26 9	3 24	19 7	19 27	7 14		n.a.
T 7	11 48	22 43	1s 4	20 38	1 24	0n29	1 35	24 42	1 40	8 18	1 10	0 32	2 18	13 5	0 47	19 47	1 19	26 9	3 24	19 7	19 26	7 17		n.a.
W 8	12 8	25 26	2 8	20 40	1 15	0 59	1 34	24 37	1 39	8 16	1 10	0 35	2 18	13 4	0 47	19 47	1 19	26 9	3 24	19 7	19 25	7 20		n.a.
T 9	12 28	27 0	3 6	20 40	1 4	1 29	1 33	24 32	1 38	8 13	1 9	0 38	2 18	13 3	0 47	19 47	1 19	26 9	3 24	19 8	19 24	7 23		n.a.
F 10	12 48	27 13	3 57	20 39	0 53	1 59	1 32	24 27	1 37	8 10	1 9	0 41	2 18	13 3	0 47	19 47	1 19	26 10	3 25	19 8	19 24	7 27		n.a.
S 11	13 8	26 0	4 38	20 36	0 41	2 29	1 31	24 22	1 36	8 8	1 9	0 44	2 19	13 2	0 47	19 47	1 19	26 10	3 25	19 8	19 23	7 30		n.a.
S 12	13 28	23 20	5 5	20 31	0 29	2 59	1 29	24 16	1 35	8 5	1 9	0 47	2 19	13 2	0 47	19 46	1 19	26 10	3 25	19 8	19 22	7 33		n.a.
M13	13 47	19 19	5 16	20 24	0 16	3 29	1 28	24 11	1 34	8 2	1 9	0 49	2 19	13 1	0 47	19 46	1 19	26 10	3 25	19 8	19 21	7 36		n.a.
T 14	14 6	14 9	5 9	20 16	0 3	3 59	1 27	24 5	1 33	8 0	1 8	0 52	2 19	13 1	0 47	19 46	1 19	26 10	3 25	19 8	19 20	7 39		n.a.
W15	14 25	8 4	4 42	20 6	0s11	4 29	1 25	23 59	1 32	7 57	1 8	0 55	2 19	13 0	0 47	19 46	1 19	26 10	3 25	19 7	19 20	7 43		n.a.
T 16	14 44	1 23	3 57	19 55	0 26	4 59	1 24	23 53	1 31	7 55	1 8	0 58	2 19	12 59	0 47	19 46	1 19	26 10	3 25	19 7	19 19	7 46		n.a.
F 17	15 2	5n29	2 54	19 42	0 41	5 28	1 22	23 47	1 30	7 52	1 8	1 1	2 19	12 59	0 47	19 46	1 19	26 10	3 26	19 6	19 18	7 49		n.a.
S 18	15 21	12 7	1 39	19 28	0 56	5 58	1 21	23 41	1 29	7 50	1 8	1 3	2 19	12 58	0 47	19 46	1 19	26 10	3 26	19 6	19 17	7 52		n.a.
S 19	15 39	18 1	0 17	19 12	1 12	6 27	1 19	23 35	1 28	7 48	1 8	1 6	2 19	12 58	0 47	19 46	1 19	26 9	3 26	19 6	19 17	7 55		n.a.
M20	15 56	22 44	1n 5	18 56	1 28	6 57	1 18	23 28	1 27	7 45	1 7	1 9	2 19	12 57	0 47	19 45	1 19	26 9	3 26	19 6	19 16	7 58		n.a.
T 21	16 14	25 53	2 21	18 38	1 44	7 26	1 16	23 21	1 26	7 43	1 7	1 12	2 20	12 57	0 47	19 45	1 19	26 9	3 26	19 6	19 15	8 2		n.a.
W22	16 31	27 15	3 27	18 19	2 0	7 55	1 14	23 15	1 25	7 41	1 7	1 14	2 20	12 56	0 47	19 45	1 19	26 9	3 26	19 6	19 14	8 5		n.a.
T 23	16 48	26 53	4 18	18 0	2 15	8 24	1 12	23 8	1 24	7 38	1 7	1 17	2 20	12 56	0 47	19 45	1 19	26 9	3 26	19 7	19 13	8 8		n.a.
F 24	17 5	24 56	4 54	17 40	2 31	8 53	1 10	23 0	1 23	7 36	1 6	1 20	2 20	12 56	0 47	19 45	1 19	26 9	3 27	19 7	19 13	8 11		n.a.
S 25	17 22	21 46	5 13	17 19	2 46	9 22	1 8	22 53	1 22	7 34	1 6	1 22	2 20	12 55	0 47	19 44	1 19	26 9	3 27	19 7	19 12	8 14		n.a.
S 26	17 38	17 39	5 17	16 58	3 0	9 50	1 6	22 46	1 21	7 32	1 6	1 25	2 20	12 55	0 47	19 44	1 19	26 9	3 27	19 7	19 11	8 17		n.a.
M27	17 54	12 54	5 6	16 37	3 14	10 18	1 5	22 38	1 20	7 30	1 6	1 27	2 20	12 55	0 48	19 44	1 19	26 9	3 27	19 7	19 10	8 21		n.a.
T 28	18 9	7 44	4 42	16 17	3 27	10 46	1 2	22 30	1 19	7 28	1 6	1 30	2 20	12 54	0 48	19 44	1 19	26 9	3 27	19 7	19 9	8 24		n.a.
W29	18 25	2 22	4 5	15 56	3 39	11 14	1 0	22 22	1 18	7 26	1 5	1 32	2 21	12 54	0 48	19 44	1 19	26 9	3 27	19 7	19 9	8 27		n.a.
T 30	18 40	3s 4	3 19	15 37	3 49	11 41	0 58	22 14	1 17	7 24	1 5	1 35	2 21	12 54	0 48	19 43	1 19	26 9	3 27	19 6	19 8	8 30		n.a.
F 31	18n55	8s23	2n24	15n18	3s59	12n 9	0s56	22n 6	1n16	7s22	1n 5	1n37	2s21	12s53	0s48	19n43	1n19	26s 9	3s27	19n 6	19n 7	8s33		n.a.

Julian Day Number = 1106827.5, Delta T = 10h56m45s
Ecliptic obliquity = 23°53'32, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°17'03, Lahiri = -27°10'02 Julian Calendar 1 May 1683 BCE == Greg. Calendar 17 Apr. 1683 BCE

The year -1682 astronomical counting style corresponds to year 1683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

JUNE 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 38 25	24♉ 6'16	8♏53	23°R29	5♉ 1	29♋ 2	20°R58	9♈27	28♒43	8♌36	12°R30	23°D55	23♉54	27♎25	n.a.	S 1
S 2	15 42 22	25° 3'22	20°46	22♉51	6°14	29°38	20♎52	9°34	28°44	8°37	12♐28	23°R55	23°51	27°31	n.a.	S 2
M 3	15 46 19	26° 0'28	2♐46	22°14	7°27	0♌13	20°47	9°40	28°45	8°38	12°27	23♉55	23°48	27°38	n.a.	M 3
T 4	15 50 15	26°57'35	14°53	21°40	8°40	0°49	20°42	9°46	28°46	8°39	12°26	23°55	23°45	27°45	n.a.	T 4
W 5	15 54 12	27°54'42	27°10	21° 8	9°53	1°25	20°38	9°53	28°46	8°40	12°24	23°55	23°42	27°51	n.a.	W 5
T 6	15 58 8	28°51'50	9♑39	20°39	11° 7	2° 0	20°33	9°59	28°47	8°41	12°23	23°54	23°38	27°58	n.a.	T 6
F 7	16 2 5	29°48'59	22°21	20°14	12°20	2°36	20°29	10° 5	28°48	8°42	12°21	23°53	23°35	28° 5	n.a.	F 7
S 8	16 6 1	0♊46'09	5♒19	19°54	13°33	3°12	20°24	10°11	28°48	8°43	12°20	23°53	23°32	28°11	n.a.	S 8
S 9	16 9 58	1°43'20	18°34	19°38	14°46	3°49	20°20	10°17	28°49	8°44	12°19	23°52	23°29	28°18	n.a.	S 9
M10	16 13 55	2°40'32	2♓ 8	19°27	15°59	4°25	20°16	10°23	28°49	8°45	12°17	23°D52	23°26	28°25	n.a.	M10
T 11	16 17 51	3°37'44	16° 2	19°D21	17°13	5° 1	20°12	10°29	28°50	8°46	12°16	23°52	23°22	28°31	n.a.	T 11
W12	16 21 48	4°34'58	0♈15	19°21	18°26	5°38	20° 9	10°34	28°50	8°47	12°15	23°53	23°19	28°38	n.a.	W12
T 13	16 25 44	5°32'14	14°45	19°27	19°39	6°14	20° 5	10°40	28°50	8°48	12°13	23°54	23°16	28°45	n.a.	T 13
F 14	16 29 41	6°29'30	29°29	19°39	20°53	6°51	20° 2	10°46	28°51	8°50	12°12	23°55	23°13	28°51	n.a.	F 14
S 15	16 33 37	7°26'47	14♉21	19°57	22° 6	7°28	19°59	10°51	28°51	8°51	12°10	23°55	23°10	28°58	n.a.	S 15
S 16	16 37 34	8°24'06	29°14	20°21	23°19	8° 5	19°56	10°57	28°51	8°52	12° 9	23°R55	23° 7	29° 5	n.a.	S 16
M17	16 41 30	9°21'26	14♊ 1	20°51	24°33	8°42	19°53	11° 2	28°51	8°54	12° 7	23°55	23° 3	29°11	n.a.	M17
T 18	16 45 27	10°18'46	28°34	21°27	25°46	9°19	19°50	11° 7	28°51	8°55	12° 6	23°53	23° 0	29°18	n.a.	T 18
W19	16 49 24	11°16'08	12♋47	22° 9	27° 0	9°56	19°48	11°13	28°R51	8°56	12° 5	23°51	22°57	29°25	n.a.	W19
T 20	16 53 20	12°13'31	26°36	22°56	28°14	10°33	19°46	11°18	28°51	8°58	12° 3	23°49	22°54	29°31	n.a.	T 20
F 21	16 57 17	13°10'54	10♌ 0	23°50	29°27	11°11	19°44	11°23	28°51	8°59	12° 2	23°46	22°51	29°38	n.a.	F 21
S 22	17 1 13	14° 8'19	23° 0	24°50	0♊41	11°48	19°42	11°28	28°51	9° 0	12° 0	23°44	22°48	29°45	n.a.	S 22
S 23	17 5 10	15° 5'44	5♍37	25°55	1°54	12°26	19°40	11°33	28°51	9° 2	11°59	23°43	22°44	29°51	n.a.	S 23
M24	17 9 6	16° 3'10	17°55	27° 6	3° 8	13° 4	19°39	11°38	28°51	9° 3	11°58	23°D43	22°41	29°58	n.a.	M24
T 25	17 13 3	17° 0'37	29°59	28°22	4°22	13°41	19°37	11°43	28°50	9° 5	11°56	23°43	22°38	0♏ 5	n.a.	T 25
W26	17 17 0	17°58'05	11♎53	29°44	5°36	14°19	19°36	11°47	28°50	9° 6	11°55	23°45	22°35	0°11	n.a.	W26
T 27	17 20 56	18°55'34	23°43	1♊10	6°49	14°57	19°35	11°52	28°50	9° 8	11°53	23°46	22°32	0°18	n.a.	T 27
F 28	17 24 53	19°53'04	5♏32	2°41	8° 3	15°35	19°34	11°56	28°49	9°10	11°52	23°48	22°28	0°25	n.a.	F 28
S 29	17 28 49	20°50'36	17°24	4°17	9°17	16°14	19°34	12° 1	28°49	9°11	11°51	23°49	22°25	0°31	n.a.	S 29
S 30	17 32 46	21♊48'08	29♏24	5♊56	10♊31	16♌52	19♎33	12♈ 5	28♒48	9♌13	11♐49	23°R49	22♉22	0♏38	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n 9	13s26	1n23	15n 1	4s 7	12n36	0s54	21n58	1n15	7s20	1n 5	1n40	2s21	12s53	0s48	19n43	1n19	26s 9	3s28	19n 6	19n 6	8s36		n.a.
S 2	19 23	18 0	0 17	14 45	4 14	13 2	0 52	21 49	1 14	7 18	1 4	1 42	2 21	12 53	0 48	19 43	1 18	26 9	3 28	19 6	19 5	8 39		n.a.
M 3	19 37	21 54	0s49	14 31	4 19	13 29	0 50	21 41	1 13	7 17	1 4	1 45	2 21	12 52	0 48	19 42	1 18	26 9	3 28	19 6	19 5	8 43		n.a.
T 4	19 51	24 54	1 54	14 18	4 22	13 55	0 47	21 32	1 12	7 15	1 4	1 47	2 21	12 52	0 48	19 42	1 18	26 9	3 28	19 6	19 4	8 46		n.a.
W 5	20 4	26 46	2 54	14 8	4 24	14 21	0 45	21 23	1 11	7 13	1 4	1 49	2 22	12 52	0 48	19 42	1 18	26 9	3 28	19 6	19 3	8 49		n.a.
T 6	20 17	27 19	3 47	14 0	4 25	14 46	0 43	21 14	1 10	7 12	1 3	1 52	2 22	12 52	0 48	19 41	1 18	26 9	3 28	19 6	19 2	8 52		n.a.
F 7	20 30	26 27	4 30	13 55	4 23	15 11	0 40	21 4	1 9	7 10	1 3	1 54	2 22	12 52	0 48	19 41	1 18	26 9	3 28	19 6	19 1	8 55		n.a.
S 8	20 42	24 9	5 1	13 52	4 21	15 36	0 38	20 55	1 8	7 9	1 3	1 56	2 22	12 51	0 48	19 41	1 18	26 8	3 28	19 6	19 1	8 58		n.a.
S 9	20 54	20 32	5 16	13 51	4 17	16 0	0 36	20 45	1 8	7 8	1 2	1 58	2 22	12 51	0 48	19 40	1 18	26 8	3 28	19 6	19 0	9 2		n.a.
M10	21 5	15 46	5 14	13 54	4 11	16 24	0 33	20 36	1 7	7 6	1 2	2 0	2 22	12 51	0 48	19 40	1 18	26 8	3 29	19 6	18 59	9 5		n.a.
T 11	21 17	10 6	4 54	13 59	4 5	16 48	0 31	20 26	1 6	7 5	1 2	2 3	2 23	12 51	0 48	19 40	1 18	26 8	3 29	19 6	18 58	9 8		n.a.
W12	21 27	3 48	4 16	14 6	3 57	17 11	0 29	20 16	1 5	7 4	1 2	2 5	2 23	12 51	0 48	19 39	1 18	26 8	3 29	19 6	18 57	9 11		n.a.
T 13	21 38	2n51	3 20	14 16	3 48	17 34	0 26	20 6	1 4	7 3	1 1	2 7	2 23	12 51	0 48	19 39	1 18	26 8	3 29	19 6	18 56	9 14		n.a.
F 14	21 48	9 27	2 11	14 29	3 38	17 56	0 24	19 55	1 3	7 2	1 1	2 9	2 23	12 51	0 48	19 39	1 18	26 8	3 29	19 6	18 56	9 17		n.a.
S 15	21 58	15 36	0 53	14 44	3 27	18 18	0 21	19 45	1 2	7 1	1 1	2 11	2 23	12 51	0 48	19 38	1 18	26 8	3 29	19 6	18 55	9 20		n.a.
S 16	22 7	20 51	0n29	15 2	3 15	18 39	0 19	19 34	1 1	7 0	1 1	2 13	2 23	12 51	0 48	19 38	1 18	26 8	3 29	19 6	18 54	9 24		n.a.
M17	22 16	24 43	1 49	15 22	3 3	19 0	0 16	19 24	1 0	6 59	1 0	2 15	2 24	12 51	0 48	19 38	1 18	26 8	3 29	19 6	18 53	9 27		n.a.
T 18	22 25	26 53	3 0	15 43	2 50	19 21	0 14	19 13	0 59	6 59	1 0	2 17	2 24	12 51	0 48	19 37	1 18	26 8	3 29	19 6	18 52	9 30		n.a.
W19	22 33	27 13	3 58	16 7	2 37	19 40	0 11	19 2	0 58	6 58	1 0	2 19	2 24	12 51	0 48	19 37	1 18	26 7	3 29	19 5	18 52	9 33		n.a.
T 20	22 41	25 49	4 41	16 33	2 23	20 0	0 9	18 50	0 57	6 57	0 59	2 21	2 24	12 51	0 48	19 36	1 18	26 7	3 29	19 5	18 51	9 36		n.a.
F 21	22 49	22 59	5 6	17 0	2 9	20 19	0 6	18 39	0 56	6 57	0 59	2 23	2 24	12 51	0 49	19 36	1 18	26 7	3 30	19 4	18 50	9 39		n.a.
S 22	22 56	19 3	5 15	17 28	1 55	20 37	0 4	18 28	0 56	6 56	0 59	2 24	2 25	12 51	0 49	19 36	1 18	26 7	3 30	19 4	18 49	9 42		n.a.
S 23	23 2	14 23	5 9	17 58	1 41	20 55	0 1	18 16	0 55	6 56	0 59	2 26	2 25	12 51	0 49	19 35	1 18	26 7	3 30	19 3	18 48	9 46		n.a.
M24	23 9	9 16	4 48	18 29	1 27	21 12	0n 1	18 4	0 54	6 56	0 58	2 28	2 25	12 51	0 49	19 35	1 18	26 7	3 30	19 3	18 47	9 49		n.a.
T 25	23 15	3 53	4 15	19 0	1 12	21 28	0 3	17 52	0 53	6 55	0 58	2 30	2 25	12 51	0 49	19 34	1 18	26 7	3 30	19 3	18 47	9 52		n.a.
W26	23 20	1s34	3 31	19 32	0 58	21 44	0 6	17 40	0 52	6 55	0 58	2 31	2 25	12 51	0 49	19 34	1 18	26 7	3 30	19 4	18 46	9 55		n.a.
T 27	23 25	6 56	2 38	20 4	0 44	22 0	0 8	17 28	0 51	6 55	0 57	2 33	2 26	12 52	0 49	19 34	1 18	26 6	3 30	19 4	18 45	9 58		n.a.
F 28	23 30	12 4	1 39	20 36	0 31	22 15	0 11	17 16	0 50	6 55	0 57	2 35	2 26	12 52	0 49	19 33	1 18	26 6	3 30	19 5	18 44	10 1		n.a.
S 29	23 34	16 47	0 35	21 7	0 17	22 29	0 13	17 3	0 49	6 55	0 57	2 36	2 26	12 52	0 49	19 33	1 18	26 6	3 30	19 5	18 43	10 4		n.a.
S 30	23n38	20s54	0s31	21n38	0s 4	22n42	0n16	16n51	0n48	6s55	0n57	2n38	2s26	12s52	0s49	19n32	1n18	26s 6	3s30	19n 5	18n43	10s 7		n.a.

Julian Day Number = 1106858.5, Delta T = 10h56m43s
Ecliptic obliquity = 23°53'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'59, Lahiri = -27°09'58 Julian Calendar 1 June 1683 BCE == Greg. Calendar 18 May 1683 BCE

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

JULY 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 36 42	22♊45'42	11♐33	7♊40	11♊45	17♌30	19°R33	12♈10	28°R48	9♌14	11°R48	23°R48	22♉19	0♏45	n.a.	M 1
T 2	17 40 39	23°43'18	23°54	9°27	12°59	18° 9	19°D33	12°14	28♒47	9°16	11♐46	23♉45	22°16	0°51	n.a.	T 2
W 3	17 44 35	24°40'55	6♑28	11°17	14°13	18°47	19♎33	12°18	28°47	9°18	11°45	23°41	22°13	0°58	n.a.	W 3
T 4	17 48 32	25°38'33	19°16	13° 9	15°27	19°26	19°34	12°22	28°46	9°20	11°44	23°36	22° 9	1° 5	n.a.	T 4
F 5	17 52 29	26°36'13	2♒17	15° 4	16°41	20° 4	19°34	12°26	28°45	9°21	11°42	23°31	22° 6	1°11	n.a.	F 5
S 6	17 56 25	27°33'55	15°32	17° 1	17°55	20°43	19°35	12°30	28°44	9°23	11°41	23°26	22° 3	1°18	n.a.	S 6
S 7	18 0 22	28°31'38	29° 0	18°59	19° 9	21°22	19°36	12°34	28°44	9°25	11°40	23°22	22° 0	1°25	n.a.	S 7
M 8	18 4 18	29°29'24	12♓41	20°58	20°23	22° 1	19°37	12°37	28°43	9°27	11°38	23°19	21°57	1°31	n.a.	M 8
T 9	18 8 15	0♋27'11	26°33	22°58	21°37	22°40	19°38	12°41	28°42	9°28	11°37	23°D18	21°54	1°38	n.a.	T 9
W10	18 12 11	1°25'00	10♈37	24°58	22°51	23°19	19°40	12°44	28°41	9°30	11°36	23°18	21°50	1°45	n.a.	W10
T 11	18 16 8	2°22'51	24°51	26°59	24° 6	23°59	19°41	12°48	28°40	9°32	11°34	23°19	21°47	1°51	n.a.	T 11
F 12	18 20 4	3°20'44	9♉14	29° 0	25°20	24°38	19°43	12°51	28°39	9°34	11°33	23°21	21°44	1°58	n.a.	F 12
S 13	18 24 1	4°18'39	23°42	1♋ 0	26°34	25°17	19°45	12°54	28°38	9°36	11°32	23°R21	21°41	2° 4	n.a.	S 13
S 14	18 27 58	5°16'36	8♊12	3° 0	27°48	25°57	19°47	12°57	28°36	9°38	11°31	23°20	21°38	2°11	n.a.	S 14
M15	18 31 54	6°14'35	22°38	4°59	29° 3	26°36	19°50	13° 0	28°35	9°40	11°29	23°17	21°34	2°18	n.a.	M15
T 16	18 35 51	7°12'36	6♋56	6°57	0♋17	27°16	19°52	13° 3	28°34	9°42	11°28	23°13	21°31	2°24	n.a.	T 16
W17	18 39 47	8°10'39	20°58	8°55	1°32	27°56	19°55	13° 6	28°33	9°44	11°27	23° 6	21°28	2°31	n.a.	W17
T 18	18 43 44	9° 8'43	4♌42	10°51	2°46	28°36	19°58	13° 9	28°31	9°46	11°26	22°58	21°25	2°38	n.a.	T 18
F 19	18 47 40	10° 6'49	18° 4	12°47	4° 1	29°16	20° 1	13°11	28°30	9°48	11°24	22°51	21°22	2°44	n.a.	F 19
S 20	18 51 37	11° 4'57	1♍ 3	14°41	5°15	29°56	20° 4	13°14	28°29	9°50	11°23	22°44	21°19	2°51	n.a.	S 20
S 21	18 55 33	12° 3'06	13°41	16°34	6°30	0♍36	20° 8	13°16	28°27	9°52	11°22	22°38	21°15	2°58	n.a.	S 21
M22	18 59 30	13° 1'17	26° 0	18°26	7°44	1°16	20°11	13°18	28°26	9°54	11°21	22°35	21°12	3° 4	n.a.	M22
T 23	19 3 27	13°59'30	8♎ 4	20°17	8°59	1°56	20°15	13°20	28°24	9°56	11°20	22°33	21° 9	3°11	n.a.	T 23
W24	19 7 23	14°57'44	19°58	22° 6	10°13	2°37	20°19	13°23	28°23	9°58	11°19	22°D33	21° 6	3°18	n.a.	W24
T 25	19 11 20	15°56'00	1♏47	23°55	11°28	3°17	20°23	13°25	28°21	10° 0	11°17	22°34	21° 3	3°24	n.a.	T 25
F 26	19 15 16	16°54'18	13°37	25°42	12°42	3°58	20°27	13°26	28°20	10° 2	11°16	22°35	21° 0	3°31	n.a.	F 26
S 27	19 19 13	17°52'37	25°32	27°28	13°57	4°38	20°32	13°28	28°18	10° 4	11°15	22°R35	20°56	3°38	n.a.	S 27
S 28	19 23 9	18°50'58	7♐37	29°13	15°12	5°19	20°36	13°30	28°16	10° 6	11°14	22°34	20°53	3°44	n.a.	S 28
M29	19 27 6	19°49'22	19°56	0♌57	16°26	6° 0	20°41	13°31	28°14	10° 8	11°13	22°30	20°50	3°51	n.a.	M29
T 30	19 31 2	20°47'47	2♑31	2°39	17°41	6°41	20°46	13°33	28°13	10°10	11°12	22°25	20°47	3°58	n.a.	T 30
W31	19 34 59	21♋46'14	15♑23	4♌20	18♋56	7♍22	20♎51	13♈34	28♒11	10♌12	11♐11	22♉17	20♉44	4♏ 4	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n41	24s10	1s36	22n 8	0n 8	22n55	0n18	16n38	0n47	6s55	0n56	2n39	2s26	12s52	0s49	19n32	1n18	26s 6	3s30	19n 5	18n42	10s11		n.a.
T 2	23 44	26 22	2 37	22 37	0 20	23 7	0 20	16 25	0 47	6 56	0 56	2 41	2 27	12 53	0 49	19 31	1 18	26 6	3 30	19 4	18 41	10 14		n.a.
W 3	23 47	27 16	3 32	23 4	0 31	23 19	0 23	16 12	0 46	6 56	0 56	2 42	2 27	12 53	0 49	19 31	1 18	26 6	3 30	19 3	18 40	10 17		n.a.
T 4	23 49	26 44	4 18	23 30	0 41	23 30	0 25	15 59	0 45	6 56	0 55	2 43	2 27	12 53	0 49	19 30	1 18	26 6	3 31	19 2	18 39	10 20		n.a.
F 5	23 51	24 44	4 51	23 53	0 51	23 40	0 27	15 46	0 44	6 57	0 55	2 45	2 27	12 54	0 49	19 30	1 18	26 5	3 31	19 0	18 38	10 23		n.a.
S 6	23 52	21 23	5 8	24 15	1 0	23 49	0 29	15 32	0 43	6 57	0 55	2 46	2 28	12 54	0 49	19 29	1 18	26 5	3 31	18 59	18 38	10 26		n.a.
S 7	23 53	16 52	5 10	24 34	1 8	23 58	0 32	15 19	0 42	6 58	0 55	2 47	2 28	12 54	0 49	19 29	1 18	26 5	3 31	18 58	18 37	10 29		n.a.
M 8	23 53	11 26	4 54	24 50	1 16	24 6	0 34	15 5	0 41	6 59	0 54	2 49	2 28	12 55	0 49	19 28	1 18	26 5	3 31	18 57	18 36	10 32		n.a.
T 9	23 53	5 22	4 21	25 4	1 22	24 13	0 36	14 51	0 40	6 59	0 54	2 50	2 28	12 55	0 49	19 28	1 18	26 5	3 31	18 57	18 35	10 35		n.a.
W10	23 53	1n 3	3 31	25 16	1 28	24 20	0 38	14 37	0 40	7 0	0 54	2 51	2 29	12 55	0 49	19 27	1 18	26 5	3 31	18 57	18 34	10 39		n.a.
T 11	23 52	7 30	2 29	25 25	1 33	24 26	0 40	14 23	0 39	7 1	0 54	2 52	2 29	12 56	0 49	19 27	1 18	26 5	3 31	18 57	18 33	10 42		n.a.
F 12	23 51	13 39	1 16	25 31	1 38	24 31	0 42	14 9	0 38	7 2	0 53	2 53	2 29	12 56	0 49	19 26	1 18	26 4	3 31	18 58	18 32	10 45		n.a.
S 13	23 49	19 5	0n 2	25 34	1 41	24 35	0 44	13 55	0 37	7 3	0 53	2 54	2 29	12 57	0 49	19 26	1 17	26 4	3 31	18 58	18 32	10 48		n.a.
S 14	23 47	23 24	1 20	25 35	1 44	24 39	0 46	13 40	0 36	7 4	0 53	2 55	2 30	12 57	0 49	19 25	1 17	26 4	3 31	18 58	18 31	10 51		n.a.
M15	23 44	26 13	2 32	25 34	1 46	24 42	0 48	13 26	0 35	7 5	0 52	2 56	2 30	12 57	0 49	19 25	1 17	26 4	3 31	18 57	18 30	10 54		n.a.
T 16	23 41	27 16	3 34	25 29	1 47	24 44	0 50	13 11	0 34	7 7	0 52	2 57	2 30	12 58	0 49	19 24	1 17	26 4	3 31	18 56	18 29	10 57		n.a.
W17	23 38	26 31	4 21	25 23	1 48	24 45	0 52	12 56	0 33	7 8	0 52	2 58	2 30	12 58	0 49	19 23	1 17	26 4	3 31	18 54	18 28	11 0		n.a.
T 18	23 34	24 10	4 53	25 14	1 48	24 46	0 54	12 42	0 33	7 9	0 52	2 59	2 30	12 59	0 50	19 23	1 17	26 4	3 31	18 52	18 27	11 3		n.a.
F 19	23 30	20 33	5 7	25 3	1 48	24 46	0 56	12 27	0 32	7 11	0 51	3 0	2 31	12 59	0 50	19 22	1 17	26 4	3 31	18 50	18 27	11 7		n.a.
S 20	23 25	16 2	5 5	24 50	1 47	24 45	0 57	12 11	0 31	7 12	0 51	3 0	2 31	13 0	0 50	19 22	1 17	26 3	3 31	18 48	18 26	11 10		n.a.
S 21	23 20	10 56	4 48	24 35	1 45	24 43	0 59	11 56	0 30	7 14	0 51	3 1	2 31	13 0	0 50	19 21	1 17	26 3	3 31	18 47	18 25	11 13		n.a.
M22	23 14	5 33	4 17	24 18	1 43	24 40	1 1	11 41	0 29	7 15	0 50	3 2	2 31	13 1	0 50	19 21	1 17	26 3	3 31	18 46	18 24	11 16		n.a.
T 23	23 8	0 3	3 36	23 59	1 40	24 37	1 2	11 25	0 28	7 17	0 50	3 2	2 32	13 2	0 50	19 20	1 17	26 3	3 31	18 45	18 23	11 19		n.a.
W24	23 2	5s23	2 46	23 39	1 38	24 33	1 4	11 10	0 28	7 19	0 50	3 3	2 32	13 2	0 50	19 20	1 17	26 3	3 31	18 45	18 22	11 22		n.a.
T 25	22 55	10 37	1 50	23 17	1 34	24 28	1 6	10 54	0 27	7 21	0 50	3 3	2 32	13 3	0 50	19 19	1 17	26 3	3 31	18 46	18 21	11 25		n.a.
F 26	22 48	15 28	0 48	22 53	1 30	24 23	1 7	10 38	0 26	7 23	0 49	3 4	2 33	13 3	0 50	19 18	1 17	26 3	3 31	18 46	18 21	11 28		n.a.
S 27	22 40	19 46	0s16	22 28	1 26	24 17	1 8	10 23	0 25	7 25	0 49	3 4	2 33	13 4	0 50	19 18	1 17	26 2	3 31	18 46	18 20	11 31		n.a.
S 28	22 32	23 18	1 20	22 2	1 22	24 10	1 10	10 7	0 24	7 27	0 49	3 5	2 33	13 5	0 50	19 17	1 17	26 2	3 31	18 46	18 19	11 34		n.a.
M29	22 24	25 51	2 21	21 35	1 17	24 2	1 11	9 51	0 23	7 29	0 49	3 5	2 33	13 5	0 50	19 17	1 17	26 2	3 31	18 45	18 18	11 37		n.a.
T 30	22 15	27 9	3 17	21 6	1 12	23 53	1 12	9 34	0 22	7 31	0 48	3 6	2 34	13 6	0 50	19 16	1 17	26 2	3 32	18 43	18 17	11 40		n.a.
W31	22n 6	27s 1	4s 4	20n37	1n 7	23n44	1n13	9n18	0n22	7s33	0n48	3n 6	2s34	13s 6	0s50	19n15	1n17	26s 2	3s32	18n41	18n16	11s44		n.a.

Julian Day Number = 1106888.5, Delta T = 10h56m41s
Ecliptic obliquity = 23°53'31, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'55, Lahiri = -27°09'54 Julian Calendar 1 July 1683 BCE == Greg. Calendar 17 June 1683 BCE

The year -1682 astronomical counting style corresponds to year 1683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

AUGUST 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 38 56	22♋44'43	28♉33	6♌ 1	20♋11	8♍ 3	20♎57	13♈35	28°R 9	10♌15	11°R10	22°R 7	20♉40	4♏11	n.a.	T 1
F 2	19 42 52	23°43'14	11♒58	7°40	21°25	8°44	21° 2	13°36	28♒ 7	10°17	11♐ 9	21♉56	20°37	4°18	n.a.	F 2
S 3	19 46 49	24°41'47	25°37	9°18	22°40	9°25	21° 8	13°37	28° 5	10°19	11° 8	21°46	20°34	4°24	n.a.	S 3
S 4	19 50 45	25°40'23	9♓27	10°55	23°55	10° 6	21°14	13°38	28° 3	10°21	11° 7	21°38	20°31	4°31	n.a.	S 4
M 5	19 54 42	26°39'00	23°25	12°31	25°10	10°47	21°19	13°39	28° 1	10°23	11° 6	21°31	20°28	4°38	n.a.	M 5
T 6	19 58 38	27°37'40	7♈27	14° 6	26°25	11°29	21°26	13°40	27°59	10°25	11° 6	21°27	20°25	4°44	n.a.	T 6
W 7	20 2 35	28°36'23	21°32	15°40	27°40	12°10	21°32	13°40	27°57	10°28	11° 5	21°26	20°21	4°51	n.a.	W 7
T 8	20 6 31	29°35'08	5♉39	17°13	28°55	12°52	21°38	13°41	27°55	10°30	11° 4	21°D26	20°18	4°57	n.a.	T 8
F 9	20 10 28	0♌33'56	19°46	18°45	0♌10	13°34	21°45	13°41	27°53	10°32	11° 3	21°R26	20°15	5° 4	n.a.	F 9
S 10	20 14 24	1°32'46	3♊53	20°15	1°25	14°15	21°51	13°41	27°51	10°34	11° 2	21°25	20°12	5°11	n.a.	S 10
S 11	20 18 21	2°31'38	17°58	21°45	2°40	14°57	21°58	13°R41	27°49	10°36	11° 2	21°23	20° 9	5°17	n.a.	S 11
M12	20 22 18	3°30'33	1♋59	23°14	3°55	15°39	22° 5	13°41	27°47	10°39	11° 1	21°18	20° 6	5°24	n.a.	M12
T 13	20 26 14	4°29'31	15°52	24°42	5°10	16°21	22°12	13°41	27°45	10°41	11° 0	21°10	20° 2	5°31	n.a.	T 13
W14	20 30 11	5°28'30	29°34	26° 8	6°25	17° 3	22°20	13°41	27°43	10°43	10°59	20°59	19°59	5°37	n.a.	W14
T 15	20 34 7	6°27'32	13♌ 1	27°34	7°40	17°45	22°27	13°41	27°40	10°45	10°59	20°47	19°56	5°44	n.a.	T 15
F 16	20 38 4	7°26'36	26°12	28°58	8°55	18°27	22°35	13°40	27°38	10°48	10°58	20°35	19°53	5°51	n.a.	F 16
S 17	20 42 0	8°25'42	9♍ 4	0♍22	10°10	19°10	22°42	13°39	27°36	10°50	10°57	20°23	19°50	5°57	n.a.	S 17
S 18	20 45 57	9°24'50	21°37	1°44	11°25	19°52	22°50	13°39	27°34	10°52	10°57	20°13	19°46	6° 4	n.a.	S 18
M19	20 49 53	10°24'00	3♎54	3° 5	12°40	20°34	22°58	13°38	27°31	10°54	10°56	20° 5	19°43	6°11	n.a.	M19
T 20	20 53 50	11°23'11	15°57	4°25	13°55	21°17	23° 6	13°37	27°29	10°57	10°56	20° 1	19°40	6°17	n.a.	T 20
W21	20 57 46	12°22'25	27°50	5°43	15°10	21°59	23°14	13°36	27°27	10°59	10°55	19°58	19°37	6°24	n.a.	W21
T 22	21 1 43	13°21'41	9♏38	7° 1	16°26	22°42	23°23	13°35	27°24	11° 1	10°55	19°58	19°34	6°31	n.a.	T 22
F 23	21 5 40	14°20'59	21°27	8°16	17°41	23°25	23°31	13°34	27°22	11° 3	10°54	19°57	19°31	6°37	n.a.	F 23
S 24	21 9 36	15°20'19	3♐22	9°31	18°56	24° 8	23°40	13°32	27°20	11° 5	10°54	19°57	19°27	6°44	n.a.	S 24
S 25	21 13 33	16°19'41	15°29	10°44	20°11	24°50	23°49	13°31	27°17	11° 8	10°53	19°55	19°24	6°51	n.a.	S 25
M26	21 17 29	17°19'05	27°53	11°55	21°26	25°33	23°57	13°29	27°15	11°10	10°53	19°51	19°21	6°57	n.a.	M26
T 27	21 21 26	18°18'31	10♑36	13° 4	22°41	26°16	24° 6	13°28	27°12	11°12	10°53	19°44	19°18	7° 4	n.a.	T 27
W28	21 25 22	19°17'59	23°41	14°11	23°57	26°59	24°16	13°26	27°10	11°14	10°52	19°34	19°15	7°10	n.a.	W28
T 29	21 29 19	20°17'29	7♒10	15°16	25°12	27°43	24°25	13°24	27° 8	11°17	10°52	19°23	19°12	7°17	n.a.	T 29
F 30	21 33 15	21°17'01	20°58	16°19	26°27	28°26	24°34	13°22	27° 5	11°19	10°52	19°10	19° 8	7°24	n.a.	F 30
S 31	21 37 12	22♌16'35	5♓ 4	17♍19	27♌42	29♍ 9	24♎44	13♈20	27♒ 3	11♌21	10♐51	18♉58	19♉ 5	7♏30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n56	25s23	4s39	20n 6	1n 1	23n34	1n15	9n 2	0n21	7s35	0n48	3n 6	2s34	13s 7	0s50	19n15	1n17	26s 2	3s32	18n39	18n16	11s47		n.a.
F 2	21 46	22 18	4 59	19 35	0 55	23 24	1 16	8 45	0 20	7 38	0 48	3 6	2 34	13 8	0 50	19 14	1 17	26 2	3 32	18 36	18 15	11 50		n.a.
S 3	21 35	17 57	5 3	19 3	0 49	23 12	1 17	8 29	0 19	7 40	0 47	3 6	2 35	13 9	0 50	19 14	1 17	26 2	3 32	18 33	18 14	11 53		n.a.
S 4	21 25	12 37	4 49	18 30	0 43	23 0	1 18	8 12	0 18	7 42	0 47	3 7	2 35	13 9	0 50	19 13	1 17	26 1	3 32	18 31	18 13	11 56		n.a.
M 5	21 13	6 36	4 18	17 57	0 36	22 47	1 18	7 56	0 17	7 45	0 47	3 7	2 35	13 10	0 50	19 12	1 17	26 1	3 32	18 29	18 12	11 59		n.a.
T 6	21 2	0 13	3 32	17 23	0 29	22 34	1 19	7 39	0 17	7 47	0 47	3 7	2 35	13 11	0 50	19 12	1 17	26 1	3 32	18 28	18 11	12 2		n.a.
W 7	20 50	6n12	2 32	16 48	0 23	22 20	1 20	7 22	0 16	7 50	0 46	3 7	2 36	13 11	0 50	19 11	1 17	26 1	3 32	18 28	18 10	12 5		n.a.
T 8	20 37	12 21	1 23	16 13	0 16	22 5	1 21	7 5	0 15	7 53	0 46	3 7	2 36	13 12	0 50	19 11	1 17	26 1	3 32	18 28	18 9	12 8		n.a.
F 9	20 25	17 52	0 9	15 38	0 8	21 49	1 21	6 48	0 14	7 55	0 46	3 6	2 36	13 13	0 50	19 10	1 17	26 1	3 32	18 28	18 9	12 11		n.a.
S 10	20 11	22 24	1n 6	15 2	0 1	21 33	1 22	6 31	0 13	7 58	0 46	3 6	2 36	13 14	0 50	19 9	1 17	26 1	3 32	18 28	18 8	12 14		n.a.
S 11	19 58	25 36	2 16	14 25	0s 6	21 16	1 23	6 14	0 13	8 1	0 45	3 6	2 37	13 14	0 50	19 9	1 17	26 1	3 32	18 27	18 7	12 17		n.a.
M12	19 44	27 10	3 17	13 49	0 14	20 59	1 23	5 57	0 12	8 4	0 45	3 6	2 37	13 15	0 50	19 8	1 17	26 1	3 32	18 26	18 6	12 20		n.a.
T 13	19 30	27 0	4 7	13 12	0 21	20 41	1 23	5 39	0 11	8 7	0 45	3 6	2 37	13 16	0 50	19 8	1 17	26 0	3 32	18 23	18 5	12 23		n.a.
W14	19 15	25 12	4 41	12 36	0 29	20 22	1 24	5 22	0 10	8 10	0 45	3 5	2 37	13 17	0 50	19 7	1 17	26 0	3 32	18 21	18 4	12 26		n.a.
T 15	19 1	21 59	4 58	11 59	0 36	20 3	1 24	5 4	0 9	8 13	0 44	3 5	2 38	13 18	0 50	19 6	1 17	26 0	3 32	18 17	18 3	12 29		n.a.
F 16	18 45	17 42	5 0	11 22	0 44	19 43	1 24	4 47	0 9	8 16	0 44	3 4	2 38	13 18	0 50	19 6	1 17	26 0	3 32	18 14	18 3	12 33		n.a.
S 17	18 30	12 43	4 45	10 45	0 52	19 23	1 24	4 29	0 8	8 19	0 44	3 4	2 38	13 19	0 50	19 5	1 17	26 0	3 32	18 11	18 2	12 36		n.a.
S 18	18 14	7 19	4 18	10 8	1 0	19 2	1 24	4 12	0 7	8 22	0 44	3 3	2 38	13 20	0 50	19 4	1 17	26 0	3 32	18 8	18 1	12 39		n.a.
M19	17 58	1 45	3 38	9 31	1 7	18 40	1 24	3 54	0 6	8 25	0 43	3 3	2 39	13 21	0 50	19 4	1 17	26 0	3 32	18 6	18 0	12 42		n.a.
T 20	17 41	3s47	2 50	8 54	1 15	18 18	1 24	3 36	0 5	8 29	0 43	3 2	2 39	13 22	0 50	19 3	1 17	26 0	3 32	18 5	17 59	12 45		n.a.
W21	17 25	9 7	1 54	8 18	1 23	17 56	1 24	3 18	0 5	8 32	0 43	3 2	2 39	13 22	0 50	19 3	1 17	26 0	3 32	18 4	17 58	12 48		n.a.
T 22	17 7	14 7	0 54	7 42	1 31	17 33	1 24	3 0	0 4	8 35	0 43	3 1	2 39	13 23	0 50	19 2	1 17	26 0	3 32	18 4	17 57	12 51		n.a.
F 23	16 50	18 36	0s 8	7 6	1 38	17 9	1 24	2 43	0 3	8 39	0 43	3 0	2 40	13 24	0 50	19 1	1 17	26 0	3 32	18 4	17 56	12 54		n.a.
S 24	16 32	22 23	1 10	6 31	1 46	16 45	1 23	2 25	0 2	8 42	0 42	3 0	2 40	13 25	0 50	19 1	1 17	25 59	3 32	18 4	17 56	12 57		n.a.
S 25	16 14	25 15	2 11	5 56	1 53	16 20	1 23	2 7	0 1	8 46	0 42	2 59	2 40	13 26	0 50	19 0	1 17	25 59	3 32	18 3	17 55	13 0		n.a.
M26	15 56	26 59	3 6	5 22	2 1	15 55	1 23	1 49	0 1	8 49	0 42	2 58	2 40	13 27	0 50	19 0	1 17	25 59	3 32	18 2	17 54	13 3		n.a.
T 27	15 38	27 21	3 54	4 49	2 8	15 30	1 22	1 30	0s 0	8 53	0 42	2 57	2 40	13 27	0 50	18 59	1 18	25 59	3 32	18 0	17 53	13 6		n.a.
W28	15 19	26 12	4 31	4 16	2 15	15 4	1 21	1 12	0 1	8 56	0 42	2 56	2 41	13 28	0 50	18 58	1 18	25 59	3 32	17 57	17 52	13 9		n.a.
T 29	15 0	23 33	4 54	3 44	2 22	14 38	1 21	0 54	0 2	9 0	0 41	2 55	2 41	13 29	0 50	18 58	1 18	25 59	3 32	17 54	17 51	13 12		n.a.
F 30	14 40	19 30	5 0	3 13	2 29	14 11	1 20	0 36	0 2	9 4	0 41	2 54	2 41	13 30	0 50	18 57	1 18	25 59	3 32	17 51	17 50	13 15		n.a.
S 31	14n21	14s17	4s49	2n44	2s35	13n44	1n19	0n18	0s 3	9s 7	0n41	2n53	2s41	13s31	0s50	18n56	1n18	25s59	3s32	17n47	17n49	13s18		n.a.

Julian Day Number = 1106919.5, Delta T = 10h56m39s
Ecliptic obliquity = 23°53'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'50, Lahiri = -27°09'50 Julian Calendar 1 Aug. 1683 BCE == Greg. Calendar 18 July 1683 BCE

The year -1682 astronomical counting style corresponds to year 1683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

SEPTEMBER 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 41 9	23♌16'11	19♓21	18♍17	28♌57	29♍52	24♎53	13°R18	27°R 0	11♌23	10°R51	18°R47	19♉ 2	7♏37	n.a.	S 1
M 2	21 45 5	24°15'50	3♈43	19°11	0♍13	0♎36	25° 3	13♈15	26♒58	11°25	10♐51	18♉39	18°59	7°44	n.a.	M 2
T 3	21 49 2	25°15'31	18° 6	20° 2	1°28	1°19	25°13	13°13	26°55	11°28	10°51	18°34	18°56	7°50	n.a.	T 3
W 4	21 52 58	26°15'15	2♉26	20°50	2°43	2° 3	25°23	13°10	26°53	11°30	10°51	18°31	18°52	7°57	n.a.	W 4
T 5	21 56 55	27°15'01	16°38	21°34	3°58	2°46	25°33	13° 8	26°51	11°32	10°51	18°D31	18°49	8° 4	n.a.	T 5
F 6	22 0 51	28°14'49	0♊42	22°13	5°14	3°30	25°43	13° 5	26°48	11°34	10°51	18°R31	18°46	8°10	n.a.	F 6
S 7	22 4 48	29°14'40	14°37	22°48	6°29	4°14	25°53	13° 2	26°46	11°36	10°51	18°30	18°43	8°17	n.a.	S 7
S 8	22 8 44	0♍14'34	28°24	23°17	7°44	4°58	26° 3	12°59	26°43	11°38	10°D50	18°28	18°40	8°24	n.a.	S 8
M 9	22 12 41	1°14'30	12♋ 2	23°40	9° 0	5°42	26°14	12°56	26°41	11°41	10°50	18°22	18°37	8°30	n.a.	M 9
T 10	22 16 37	2°14'28	25°30	23°57	10°15	6°25	26°24	12°53	26°38	11°43	10°51	18°14	18°33	8°37	n.a.	T 10
W11	22 20 34	3°14'28	8♌47	24° 8	11°30	7°10	26°35	12°50	26°36	11°45	10°51	18° 3	18°30	8°44	n.a.	W11
T 12	22 24 31	4°14'31	21°53	24°R10	12°45	7°54	26°46	12°47	26°33	11°47	10°51	17°51	18°27	8°50	n.a.	T 12
F 13	22 28 27	5°14'36	4♍45	24° 5	14° 1	8°38	26°56	12°44	26°31	11°49	10°51	17°38	18°24	8°57	n.a.	F 13
S 14	22 32 24	6°14'42	17°23	23°51	15°16	9°22	27° 7	12°40	26°29	11°51	10°51	17°26	18°21	9° 3	n.a.	S 14
S 15	22 36 20	7°14'51	29°46	23°28	16°31	10° 6	27°18	12°37	26°26	11°53	10°51	17°15	18°17	9°10	n.a.	S 15
M16	22 40 17	8°15'02	11♎56	22°56	17°47	10°51	27°29	12°33	26°24	11°55	10°51	17° 7	18°14	9°17	n.a.	M16
T 17	22 44 13	9°15'14	23°55	22°14	19° 2	11°35	27°41	12°29	26°22	11°57	10°52	17° 2	18°11	9°23	n.a.	T 17
W18	22 48 10	10°15'28	5♏46	21°24	20°17	12°20	27°52	12°26	26°19	11°59	10°52	16°59	18° 8	9°30	n.a.	W18
T 19	22 52 6	11°15'44	17°33	20°25	21°32	13° 4	28° 3	12°22	26°17	12° 1	10°52	16°D58	18° 5	9°37	n.a.	T 19
F 20	22 56 3	12°16'02	29°20	19°19	22°48	13°49	28°15	12°18	26°14	12° 3	10°52	16°59	18° 2	9°43	n.a.	F 20
S 21	22 59 59	13°16'22	11♐14	18° 6	24° 3	14°33	28°26	12°14	26°12	12° 5	10°53	16°R59	17°58	9°50	n.a.	S 21
S 22	23 3 56	14°16'43	23°19	16°50	25°18	15°18	28°38	12°10	26°10	12° 7	10°53	16°59	17°55	9°57	n.a.	S 22
M23	23 7 53	15°17'06	5♑41	15°31	26°34	16° 3	28°50	12° 6	26° 8	12° 9	10°54	16°57	17°52	10° 3	n.a.	M23
T 24	23 11 49	16°17'30	18°24	14°13	27°49	16°48	29° 1	12° 2	26° 5	12°11	10°54	16°52	17°49	10°10	n.a.	T 24
W25	23 15 46	17°17'56	1♒33	12°58	29° 4	17°33	29°13	11°57	26° 3	12°13	10°55	16°45	17°46	10°17	n.a.	W25
T 26	23 19 42	18°18'24	15° 9	11°48	0♎19	18°18	29°25	11°53	26° 1	12°15	10°55	16°37	17°43	10°23	n.a.	T 26
F 27	23 23 39	19°18'53	29°11	10°46	1°35	19° 3	29°37	11°49	25°59	12°17	10°56	16°27	17°39	10°30	n.a.	F 27
S 28	23 27 35	20°19'24	13♓35	9°53	2°50	19°48	29°49	11°44	25°57	12°19	10°56	16°18	17°36	10°37	n.a.	S 28
S 29	23 31 32	21°19'56	28°15	9°10	4° 5	20°33	0♏ 1	11°40	25°54	12°21	10°57	16° 9	17°33	10°43	n.a.	S 29
M30	23 35 28	22♍20'30	13♈ 4	8♍39	5♎20	21♎18	0♏14	11♈35	25♒52	12♌22	10♐57	16♉ 3	17♉30	10♏50	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n 1	8s15	4s19	2n15	2s41	13n17	1n19	0s 1	0s 4	9s11	0n41	2n52	2s42	13s32	0s50	18n56	1n18	25s59	3s31	17n44	17n48	13s21		n.a.
M 2	13 41	1 44	3 33	1 48	2 47	12 49	1 18	0 19	0 5	9 15	0 40	2 51	2 42	13 33	0 50	18 55	1 18	25 59	3 31	17 42	17 48	13 24		n.a.
T 3	13 21	4n53	2 33	1 23	2 53	12 21	1 17	0 37	0 5	9 19	0 40	2 50	2 42	13 33	0 50	18 55	1 18	25 59	3 31	17 41	17 47	13 27		n.a.
W 4	13 0	11 14	1 24	0 59	2 57	11 52	1 16	0 55	0 6	9 23	0 40	2 49	2 42	13 34	0 50	18 54	1 18	25 59	3 31	17 40	17 46	13 30		n.a.
T 5	12 39	16 58	0 10	0 38	3 2	11 24	1 15	1 14	0 7	9 26	0 40	2 48	2 42	13 35	0 50	18 53	1 18	25 59	3 31	17 40	17 45	13 33		n.a.
F 6	12 18	21 44	1n 4	0 18	3 6	10 54	1 14	1 32	0 8	9 30	0 40	2 46	2 43	13 36	0 50	18 53	1 18	25 59	3 31	17 40	17 44	13 36		n.a.
S 7	11 57	25 12	2 13	0 2	3 9	10 25	1 12	1 50	0 8	9 34	0 39	2 45	2 43	13 37	0 50	18 52	1 18	25 59	3 31	17 40	17 43	13 39		n.a.
S 8	11 36	27 7	3 14	0s13	3 12	9 55	1 11	2 9	0 9	9 38	0 39	2 44	2 43	13 38	0 50	18 52	1 18	25 59	3 31	17 39	17 42	13 42		n.a.
M 9	11 14	27 22	4 3	0 24	3 13	9 25	1 10	2 27	0 10	9 42	0 39	2 42	2 43	13 39	0 50	18 51	1 18	25 59	3 31	17 37	17 41	13 45		n.a.
T 10	10 52	26 0	4 38	0 31	3 14	8 55	1 9	2 46	0 11	9 46	0 39	2 41	2 43	13 39	0 50	18 51	1 18	25 59	3 31	17 35	17 40	13 48		n.a.
W11	10 30	23 10	4 57	0 35	3 14	8 25	1 7	3 4	0 11	9 51	0 39	2 40	2 44	13 40	0 50	18 50	1 18	25 59	3 31	17 32	17 40	13 51		n.a.
T 12	10 8	19 12	5 0	0 35	3 12	7 54	1 6	3 22	0 12	9 55	0 39	2 38	2 44	13 41	0 50	18 49	1 18	25 59	3 31	17 28	17 39	13 54		n.a.
F 13	9 46	14 24	4 48	0 30	3 10	7 23	1 4	3 41	0 13	9 59	0 38	2 37	2 44	13 42	0 50	18 49	1 18	25 59	3 31	17 25	17 38	13 57		n.a.
S 14	9 23	9 5	4 22	0 20	3 5	6 52	1 3	3 59	0 14	10 3	0 38	2 35	2 44	13 43	0 50	18 48	1 18	25 59	3 31	17 21	17 37	14 0		n.a.
S 15	9 1	3 30	3 43	0 6	3 0	6 21	1 1	4 18	0 14	10 7	0 38	2 34	2 44	13 44	0 50	18 48	1 18	25 59	3 31	17 18	17 36	14 3		n.a.
M16	8 38	2s 8	2 55	0n14	2 52	5 50	0 59	4 36	0 15	10 11	0 38	2 32	2 44	13 44	0 50	18 47	1 18	25 59	3 31	17 16	17 35	14 6		n.a.
T 17	8 15	7 36	2 0	0 39	2 42	5 18	0 58	4 54	0 16	10 16	0 38	2 30	2 45	13 45	0 50	18 47	1 18	25 59	3 31	17 14	17 34	14 9		n.a.
W18	7 52	12 46	0 59	1 10	2 31	4 46	0 56	5 13	0 17	10 20	0 37	2 29	2 45	13 46	0 50	18 46	1 18	25 59	3 31	17 14	17 33	14 12		n.a.
T 19	7 29	17 26	0s 3	1 46	2 18	4 14	0 54	5 31	0 17	10 24	0 37	2 27	2 45	13 47	0 50	18 45	1 18	25 59	3 31	17 13	17 32	14 15		n.a.
F 20	7 5	21 27	1 6	2 26	2 3	3 43	0 52	5 49	0 18	10 29	0 37	2 26	2 45	13 48	0 50	18 45	1 18	25 59	3 31	17 13	17 31	14 18		n.a.
S 21	6 42	24 38	2 6	3 10	1 46	3 10	0 50	6 8	0 19	10 33	0 37	2 24	2 45	13 48	0 50	18 44	1 18	25 59	3 31	17 14	17 31	14 21		n.a.
S 22	6 18	26 44	3 2	3 57	1 27	2 38	0 48	6 26	0 19	10 37	0 37	2 22	2 45	13 49	0 50	18 44	1 18	25 59	3 31	17 13	17 30	14 24		n.a.
M23	5 54	27 36	3 50	4 46	1 8	2 6	0 46	6 44	0 20	10 42	0 37	2 20	2 45	13 50	0 50	18 43	1 18	25 59	3 31	17 13	17 29	14 27		n.a.
T 24	5 30	27 2	4 29	5 36	0 47	1 34	0 44	7 2	0 21	10 46	0 36	2 19	2 45	13 51	0 50	18 43	1 18	25 59	3 31	17 12	17 28	14 30		n.a.
W25	5 7	24 58	4 55	6 24	0 27	1 1	0 42	7 21	0 21	10 50	0 36	2 17	2 46	13 51	0 50	18 42	1 18	25 59	3 31	17 10	17 27	14 33		n.a.
T 26	4 42	21 26	5 5	7 10	0 6	0 29	0 40	7 39	0 22	10 55	0 36	2 15	2 46	13 52	0 50	18 42	1 18	25 59	3 31	17 7	17 26	14 35		n.a.
F 27	4 18	16 37	4 58	7 53	0n14	0s 3	0 38	7 57	0 23	10 59	0 36	2 13	2 46	13 53	0 50	18 41	1 18	25 59	3 31	17 4	17 25	14 38		n.a.
S 28	3 54	10 44	4 32	8 31	0 33	0 36	0 36	8 15	0 24	11 4	0 36	2 11	2 46	13 54	0 50	18 41	1 18	25 59	3 31	17 1	17 24	14 41		n.a.
S 29	3 30	4 10	3 47	9 3	0 50	1 8	0 34	8 33	0 24	11 8	0 36	2 10	2 46	13 54	0 50	18 40	1 18	25 59	3 31	16 59	17 23	14 44		n.a.
M30	3n 6	2n41	2s47	9n30	1n 6	1s41	0n32	8s51	0s25	11s13	0n35	2n 8	2s46	13s55	0s50	18n40	1n18	25s59	3s31	16n57	17n22	14s47		n.a.

Julian Day Number = 1106950.5, Delta T = 10h56m37s
Ecliptic obliquity = 23°53'33, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'46, Lahiri = -27°09'46 Julian Calendar 1 Sept. 1683 BCE == Greg. Calendar 18 Aug. 1683 BCE

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

OCTOBER 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 39 25	23♍21'06	27♈53	8°R20	6♎35	22♎ 3	0♏26	11°R31	25°R50	12♑24	10♐58	15°R59	17♉27	10♏56	n.a.	T 1
W 2	23 43 22	24°21'44	12♉35	8°D12	7°51	22°48	0°38	11♈26	25♒48	12°26	10°59	15°D58	17°23	11° 3	n.a.	W 2
T 3	23 47 18	25°22'24	27° 6	8♍16	9° 6	23°34	0°51	11°21	25°46	12°28	10°59	15♉58	17°20	11°10	n.a.	T 3
F 4	23 51 15	26°23'06	11♊20	8°30	10°21	24°19	1° 3	11°17	25°44	12°29	11° 0	15°59	17°17	11°16	n.a.	F 4
S 5	23 55 11	27°23'50	25°18	8°54	11°36	25° 5	1°16	11°12	25°42	12°31	11° 1	16°R 0	17°14	11°23	n.a.	S 5
S 6	23 59 8	28°24'36	8♋59	9°27	12°52	25°50	1°28	11° 7	25°40	12°33	11° 2	16° 0	17°11	11°30	n.a.	S 6
M 7	0 3 4	29°25'23	22°24	10° 9	14° 7	26°36	1°41	11° 2	25°38	12°35	11° 2	15°57	17° 8	11°36	n.a.	M 7
T 8	0 7 1	0♎26'13	5♌35	10°57	15°22	27°21	1°54	10°57	25°36	12°36	11° 3	15°52	17° 4	11°43	n.a.	T 8
W 9	0 10 57	1°27'03	18°31	11°52	16°37	28° 7	2° 6	10°52	25°34	12°38	11° 4	15°46	17° 1	11°50	n.a.	W 9
T 10	0 14 54	2°27'56	1♍15	12°53	17°52	28°53	2°19	10°48	25°33	12°39	11° 5	15°38	16°58	11°56	n.a.	T 10
F 11	0 18 51	3°28'50	13°47	13°58	19° 8	29°38	2°32	10°43	25°31	12°41	11° 6	15°30	16°55	12° 3	n.a.	F 11
S 12	0 22 47	4°29'46	26° 8	15° 8	20°23	0♏24	2°45	10°38	25°29	12°43	11° 7	15°22	16°52	12°10	n.a.	S 12
S 13	0 26 44	5°30'43	8♎19	16°21	21°38	1°10	2°58	10°33	25°27	12°44	11° 8	15°15	16°48	12°16	n.a.	S 13
M14	0 30 40	6°31'41	20°20	17°37	22°53	1°56	3°11	10°28	25°26	12°46	11° 9	15°10	16°45	12°23	n.a.	M14
T 15	0 34 37	7°32'40	2♏14	18°56	24° 8	2°42	3°24	10°23	25°24	12°47	11°10	15° 8	16°42	12°30	n.a.	T 15
W16	0 38 33	8°33'41	14° 2	20°17	25°23	3°28	3°37	10°18	25°22	12°48	11°11	15°D 7	16°39	12°36	n.a.	W16
T 17	0 42 30	9°34'43	25°47	21°40	26°38	4°14	3°51	10°13	25°21	12°50	11°12	15° 7	16°36	12°43	n.a.	T 17
F 18	0 46 26	10°35'46	7♐34	23° 5	27°54	5° 0	4° 4	10° 8	25°19	12°51	11°13	15° 9	16°33	12°49	n.a.	F 18
S 19	0 50 23	11°36'49	19°27	24°31	29° 9	5°46	4°17	10° 3	25°18	12°53	11°14	15°11	16°29	12°56	n.a.	S 19
S 20	0 54 20	12°37'54	1♑30	25°58	0♏24	6°32	4°30	9°58	25°16	12°54	11°15	15°12	16°26	13° 3	n.a.	S 20
M21	0 58 16	13°38'59	13°48	27°26	1°39	7°19	4°44	9°53	25°15	12°55	11°16	15°R13	16°23	13° 9	n.a.	M21
T 22	1 2 13	14°40'06	26°27	28°55	2°54	8° 5	4°57	9°48	25°14	12°57	11°18	15°12	16°20	13°16	n.a.	T 22
W23	1 6 9	15°41'13	9♒30	0♎25	4° 9	8°51	5°11	9°43	25°12	12°58	11°19	15°10	16°17	13°23	n.a.	W23
T 24	1 10 6	16°42'20	23° 1	1°55	5°24	9°37	5°24	9°38	25°11	12°59	11°20	15° 7	16°14	13°29	n.a.	T 24
F 25	1 14 2	17°43'28	7♓ 0	3°26	6°39	10°24	5°37	9°33	25°10	13° 0	11°21	15° 3	16°10	13°36	n.a.	F 25
S 26	1 17 59	18°44'37	21°27	4°57	7°54	11°10	5°51	9°28	25° 9	13° 1	11°23	14°58	16° 7	13°43	n.a.	S 26
S 27	1 21 55	19°45'47	6♈15	6°28	9° 9	11°57	6° 5	9°23	25° 8	13° 3	11°24	14°55	16° 4	13°49	n.a.	S 27
M28	1 25 52	20°46'57	21°19	8° 0	10°24	12°43	6°18	9°18	25° 6	13° 4	11°25	14°52	16° 1	13°56	n.a.	M28
T 29	1 29 49	21°48'08	6♉28	9°32	11°39	13°30	6°32	9°13	25° 5	13° 5	11°27	14°51	15°58	14° 3	n.a.	T 29
W30	1 33 45	22°49'20	21°34	11° 4	12°54	14°16	6°45	9° 9	25° 4	13° 6	11°28	14°D51	15°54	14° 9	n.a.	W30
T 31	1 37 42	23♎50'33	6♊27	12♎36	14♏ 9	15♏ 3	6♏59	9♈ 4	25♒ 3	13♑ 7	11♐29	14♉52	15♉51	14♏16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	2n41	9n26	1s36	9n51	1n21	2s13	0n29	9s 8	0s26	11s17	0n35	2n 6	2s46	13s56	0s50	18n39	1n18	25s59	3s31	16n56	17n21	14s50			n.a.
W 2	2 17	15 37	0 18	10 6	1 34	2 45	0 27	9 26	0 26	11 22	0 35	2 4	2 46	13 56	0 50	18 39	1 19	26 0	3 31	16 56	17 21	14 53			n.a.
T 3	1 52	20 51	1n 0	10 14	1 45	3 18	0 25	9 44	0 27	11 26	0 35	2 2	2 46	13 57	0 50	18 38	1 19	26 0	3 31	16 56	17 20	14 56			n.a.
F 4	1 28	24 45	2 12	10 17	1 54	3 50	0 22	10 2	0 28	11 31	0 35	2 0	2 46	13 58	0 50	18 38	1 19	26 0	3 31	16 56	17 19	14 59			n.a.
S 5	1 3	27 4	3 16	10 15	2 2	4 22	0 20	10 19	0 28	11 36	0 35	1 58	2 46	13 58	0 50	18 37	1 19	26 0	3 31	16 56	17 18	15 2			n.a.
S 6	0 39	27 41	4 7	10 8	2 8	4 54	0 18	10 37	0 29	11 40	0 34	1 56	2 46	13 59	0 50	18 37	1 19	26 0	3 31	16 56	17 17	15 5			n.a.
M 7	0 14	26 38	4 43	9 56	2 12	5 26	0 15	10 54	0 29	11 45	0 34	1 54	2 46	14 0	0 50	18 37	1 19	26 0	3 31	16 55	17 16	15 8			n.a.
T 8	0s11	24 8	5 4	9 41	2 16	5 58	0 13	11 12	0 30	11 49	0 34	1 52	2 46	14 0	0 50	18 36	1 19	26 0	3 31	16 54	17 15	15 11			n.a.
W 9	0 35	20 26	5 8	9 21	2 18	6 29	0 10	11 29	0 31	11 54	0 34	1 50	2 46	14 1	0 50	18 36	1 19	26 0	3 31	16 52	17 14	15 14			n.a.
T 10	1 0	15 51	4 57	8 59	2 19	7 1	0 8	11 46	0 31	11 59	0 34	1 48	2 46	14 2	0 50	18 35	1 19	26 0	3 31	16 50	17 13	15 17			n.a.
F 11	1 25	10 40	4 32	8 33	2 19	7 32	0 6	12 3	0 32	12 3	0 34	1 46	2 46	14 2	0 50	18 35	1 19	26 0	3 31	16 47	17 12	15 19			n.a.
S 12	1 49	5 8	3 55	8 5	2 18	8 4	0 3	12 20	0 33	12 8	0 34	1 44	2 46	14 3	0 50	18 34	1 19	26 1	3 31	16 45	17 11	15 22			n.a.
S 13	2 14	0s30	3 7	7 35	2 17	8 35	0 1	12 37	0 33	12 13	0 33	1 42	2 46	14 3	0 50	18 34	1 19	26 1	3 31	16 43	17 10	15 25			n.a.
M14	2 38	6 5	2 11	7 2	2 14	9 5	0s 2	12 54	0 34	12 17	0 33	1 40	2 46	14 4	0 50	18 34	1 19	26 1	3 31	16 42	17 10	15 28			n.a.
T 15	3 3	11 23	1 10	6 28	2 11	9 36	0 4	13 11	0 35	12 22	0 33	1 38	2 46	14 4	0 50	18 33	1 19	26 1	3 31	16 41	17 9	15 31			n.a.
W16	3 27	16 15	0 6	5 52	2 8	10 6	0 7	13 27	0 35	12 27	0 33	1 37	2 46	14 5	0 50	18 33	1 19	26 1	3 31	16 40	17 8	15 34			n.a.
T 17	3 52	20 31	0s58	5 15	2 4	10 37	0 9	13 44	0 36	12 31	0 33	1 35	2 46	14 5	0 50	18 33	1 19	26 1	3 31	16 41	17 7	15 37			n.a.
F 18	4 16	23 57	2 0	4 37	2 0	11 6	0 12	14 0	0 36	12 36	0 33	1 33	2 46	14 6	0 50	18 32	1 19	26 1	3 31	16 41	17 6	15 40			n.a.
S 19	4 41	26 24	2 57	3 58	1 55	11 36	0 14	14 16	0 37	12 41	0 33	1 31	2 46	14 6	0 50	18 32	1 19	26 2	3 31	16 42	17 5	15 43			n.a.
S 20	5 5	27 40	3 47	3 18	1 50	12 5	0 17	14 33	0 38	12 45	0 32	1 29	2 46	14 7	0 50	18 31	1 19	26 2	3 31	16 42	17 4	15 46			n.a.
M21	5 29	27 36	4 28	2 38	1 44	12 34	0 19	14 49	0 38	12 50	0 32	1 27	2 46	14 7	0 50	18 31	1 19	26 2	3 31	16 42	17 3	15 48			n.a.
T 22	5 53	26 7	4 57	1 57	1 39	13 3	0 22	15 4	0 39	12 55	0 32	1 25	2 46	14 8	0 49	18 31	1 19	26 2	3 31	16 42	17 2	15 51			n.a.
W23	6 17	23 13	5 12	1 15	1 33	13 32	0 25	15 20	0 39	12 59	0 32	1 23	2 46	14 8	0 49	18 30	1 19	26 2	3 31	16 41	17 1	15 54			n.a.
T 24	6 41	18 59	5 11	0 33	1 27	14 0	0 27	15 36	0 40	13 4	0 32	1 21	2 46	14 9	0 49	18 30	1 19	26 2	3 31	16 40	17 0	15 57			n.a.
F 25	7 5	13 36	4 51	0s 9	1 21	14 27	0 29	15 51	0 40	13 9	0 32	1 19	2 46	14 9	0 49	18 30	1 20	26 3	3 31	16 39	16 59	16 0			n.a.
S 26	7 29	7 19	4 13	0 52	1 14	14 55	0 32	16 7	0 41	13 13	0 32	1 17	2 46	14 9	0 49	18 30	1 20	26 3	3 31	16 38	16 58	16 3			n.a.
S 27	7 52	0 28	3 17	1 35	1 8	15 21	0 34	16 22	0 42	13 18	0 32	1 15	2 46	14 10	0 49	18 29	1 20	26 3	3 31	16 37	16 58	16 6			n.a.
M28	8 16	6n31	2 6	2 18	1 1	15 48	0 37	16 37	0 42	13 23	0 31	1 14	2 46	14 10	0 49	18 29	1 20	26 3	3 31	16 36	16 57	16 8			n.a.
T 29	8 39	13 12	0 46	3 1	0 55	16 14	0 39	16 52	0 43	13 27	0 31	1 12	2 45	14 10	0 49	18 29	1 20	26 3	3 31	16 36	16 56	16 11			n.a.
W30	9 2	19 6	0n37	3 43	0 48	16 40	0 42	17 7	0 43	13 32	0 31	1 10	2 45	14 11	0 49	18 29	1 20	26 4	3 31	16 36	16 55	16 14			n.a.
T 31	9s25	23n43	1n57	4s26	0n41	17s 5	0s44	17s21	0s44	13s37	0n31	1n 8	2s45	14s11	0s49	18n28	1n20	26s 4	3s31	16n36	16n54	16s17			n.a.

Julian Day Number = 1106980.5, Delta T = 10h56m35s
Ecliptic obliquity = 23°53'33, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'42, Lahiri = -27°09'42 Julian Calendar 1 Oct. 1683 BCE == Greg. Calendar 17 Sept. 1683 BCE

The year -1682 astronomical counting style corresponds to year 1683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

NOVEMBER 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 41 38	24♎51'47	21♊ 2	14♎ 9	15♏24	15♏49	7♏13	8°R59	25°R 3	13♑ 8	11♐31	14♉53	15♉48	14♏22	n.a.	F 1
S 2	1 45 35	25°53'01	5♋15	15°41	16°39	16°36	7°26	8♈54	25♒ 2	13° 9	11°32	14°54	15°45	14°29	n.a.	S 2
S 3	1 49 31	26°54'17	19° 4	17°14	17°54	17°23	7°40	8°50	25° 1	13°10	11°34	14°55	15°42	14°36	n.a.	S 3
M 4	1 53 28	27°55'34	2♌29	18°47	19° 9	18°10	7°54	8°45	25° 0	13°11	11°35	14°R55	15°39	14°42	n.a.	M 4
T 5	1 57 25	28°56'51	15°34	20°20	20°23	18°56	8° 8	8°41	24°59	13°11	11°37	14°55	15°35	14°49	n.a.	T 5
W 6	2 1 21	29°58'09	28°19	21°53	21°38	19°43	8°21	8°36	24°59	13°12	11°38	14°53	15°32	14°56	n.a.	W 6
T 7	2 5 18	0♏59'27	10♍49	23°27	22°53	20°30	8°35	8°32	24°58	13°13	11°40	14°51	15°29	15° 2	n.a.	T 7
F 8	2 9 14	2° 0'46	23° 6	25° 0	24° 8	21°17	8°49	8°27	24°58	13°14	11°41	14°49	15°26	15° 9	n.a.	F 8
S 9	2 13 11	3° 2'06	5♎12	26°34	25°23	22° 4	9° 3	8°23	24°57	13°15	11°43	14°47	15°23	15°16	n.a.	S 9
S 10	2 17 7	4° 3'26	17°11	28° 8	26°38	22°51	9°17	8°19	24°57	13°15	11°44	14°46	15°20	15°22	n.a.	S 10
M11	2 21 4	5° 4'46	29° 3	29°42	27°52	23°38	9°31	8°15	24°56	13°16	11°46	14°45	15°16	15°29	n.a.	M11
T 12	2 25 0	6° 6'07	10♏52	1♏16	29° 7	24°25	9°44	8°11	24°56	13°16	11°48	14°D44	15°13	15°36	n.a.	T 12
W13	2 28 57	7° 7'27	22°39	2°50	0♐22	25°12	9°58	8° 6	24°56	13°17	11°49	14°44	15°10	15°42	n.a.	W13
T 14	2 32 54	8° 8'48	4♐26	4°25	1°37	25°59	10°12	8° 2	24°55	13°18	11°51	14°45	15° 7	15°49	n.a.	T 14
F 15	2 36 50	9°10'09	16°17	6° 0	2°52	26°46	10°26	7°59	24°55	13°18	11°53	14°45	15° 4	15°56	n.a.	F 15
S 16	2 40 47	10°11'30	28°13	7°35	4° 6	27°33	10°40	7°55	24°55	13°19	11°54	14°46	15° 0	16° 2	n.a.	S 16
S 17	2 44 43	11°12'51	10♑19	9°10	5°21	28°20	10°54	7°51	24°55	13°19	11°56	14°47	14°57	16° 9	n.a.	S 17
M18	2 48 40	12°14'11	22°37	10°46	6°36	29° 7	11° 8	7°47	24°D55	13°19	11°58	14°47	14°54	16°15	n.a.	M18
T 19	2 52 36	13°15'31	5♒12	12°22	7°50	29°54	11°22	7°44	24°55	13°20	11°59	14°47	14°51	16°22	n.a.	T 19
W20	2 56 33	14°16'50	18° 9	13°59	9° 5	0♐41	11°36	7°40	24°55	13°20	12° 1	14°47	14°48	16°29	n.a.	W20
T 21	3 0 30	15°18'09	1♓29	15°35	10°19	1°28	11°49	7°37	24°55	13°21	12° 3	14°47	14°45	16°35	n.a.	T 21
F 22	3 4 26	16°19'28	15°15	17°12	11°34	2°16	12° 3	7°34	24°55	13°21	12° 5	14°47	14°41	16°42	n.a.	F 22
S 23	3 8 23	17°20'46	29°29	18°50	12°49	3° 3	12°17	7°30	24°55	13°21	12° 6	14°47	14°38	16°49	n.a.	S 23
S 24	3 12 19	18°22'03	14♈ 8	20°27	14° 3	3°50	12°31	7°27	24°56	13°21	12° 8	14°48	14°35	16°55	n.a.	S 24
M25	3 16 16	19°23'20	29° 6	22° 6	15°18	4°37	12°45	7°24	24°56	13°21	12°10	14°48	14°32	17° 2	n.a.	M25
T 26	3 20 12	20°24'37	14♉18	23°44	16°32	5°25	12°59	7°21	24°56	13°22	12°12	14°R48	14°29	17° 9	n.a.	T 26
W27	3 24 9	21°25'53	29°33	25°23	17°47	6°12	13°13	7°18	24°57	13°22	12°14	14°48	14°26	17°15	n.a.	W27
T 28	3 28 5	22°27'09	14♊42	27° 2	19° 1	6°59	13°26	7°15	24°57	13°22	12°15	14°47	14°22	17°22	n.a.	T 28
F 29	3 32 2	23°28'24	29°35	28°42	20°15	7°46	13°40	7°13	24°58	13°22	12°17	14°46	14°19	17°29	n.a.	F 29
S 30	3 35 59	24♏29'39	14♋ 5	0♐22	21♐30	8♐34	13♏54	7♈10	24♒58	13°R22	12♐19	14♉45	14♉16	17♏35	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s48	26n41	3n 7	5s 9	0n35	17s30	0s46	17s35	0s44	13s41	0n31	1n 6	2s45	14s11	0s49	18n28	1n20	26s 4	3s31	16n36	16n53	16s20		n.a.
S 2	10 11	27 51	4 4	5 52	0 28	17 54	0 49	17 50	0 45	13 46	0 31	1 5	2 45	14 12	0 49	18 28	1 20	26 4	3 31	16 37	16 52	16 23		n.a.
S 3	10 34	27 12	4 45	6 34	0 21	18 18	0 51	18 4	0 45	13 51	0 31	1 3	2 45	14 12	0 49	18 28	1 20	26 4	3 31	16 37	16 51	16 26		n.a.
M 4	10 56	24 59	5 9	7 16	0 14	18 41	0 53	18 18	0 46	13 55	0 31	1 1	2 45	14 12	0 49	18 27	1 20	26 5	3 31	16 37	16 50	16 28		n.a.
T 5	11 18	21 30	5 16	7 58	0 8	19 4	0 56	18 31	0 46	14 0	0 31	1 0	2 44	14 12	0 49	18 27	1 20	26 5	3 31	16 37	16 49	16 31		n.a.
W 6	11 40	17 4	5 8	8 40	0 1	19 27	0 58	18 45	0 47	14 5	0 30	0 58	2 44	14 12	0 49	18 27	1 20	26 5	3 31	16 37	16 48	16 34		n.a.
T 7	12 2	12 1	4 45	9 22	0s 6	19 49	1 0	18 58	0 47	14 9	0 30	0 56	2 44	14 13	0 49	18 27	1 20	26 5	3 31	16 36	16 47	16 37		n.a.
F 8	12 24	6 35	4 9	10 3	0 12	20 10	1 2	19 11	0 48	14 14	0 30	0 55	2 44	14 13	0 49	18 27	1 20	26 6	3 31	16 35	16 46	16 40		n.a.
S 9	12 45	0 59	3 22	10 43	0 19	20 30	1 4	19 24	0 48	14 19	0 30	0 53	2 44	14 13	0 49	18 26	1 20	26 6	3 31	16 35	16 45	16 43		n.a.
S 10	13 7	4s37	2 27	11 24	0 25	20 51	1 6	19 37	0 49	14 23	0 30	0 52	2 44	14 13	0 49	18 26	1 20	26 6	3 31	16 34	16 44	16 45		n.a.
M11	13 28	10 0	1 26	12 4	0 31	21 10	1 8	19 50	0 49	14 28	0 30	0 50	2 43	14 13	0 49	18 26	1 20	26 6	3 31	16 34	16 43	16 48		n.a.
T 12	13 48	15 2	0 22	12 43	0 38	21 29	1 10	20 2	0 50	14 32	0 30	0 49	2 43	14 13	0 49	18 26	1 21	26 7	3 31	16 34	16 42	16 51		n.a.
W13	14 9	19 29	0s44	13 22	0 44	21 47	1 12	20 14	0 50	14 37	0 30	0 47	2 43	14 13	0 49	18 26	1 21	26 7	3 31	16 34	16 42	16 54		n.a.
T 14	14 29	23 11	1 47	14 1	0 50	22 5	1 14	20 26	0 51	14 41	0 30	0 46	2 43	14 13	0 49	18 26	1 21	26 7	3 31	16 34	16 41	16 57		n.a.
F 15	14 49	25 56	2 47	14 38	0 55	22 22	1 16	20 38	0 51	14 46	0 29	0 44	2 43	14 13	0 49	18 26	1 21	26 7	3 31	16 34	16 40	16 59		n.a.
S 16	15 9	27 32	3 39	15 16	1 1	22 39	1 18	20 49	0 52	14 50	0 29	0 43	2 42	14 13	0 49	18 26	1 21	26 8	3 31	16 34	16 39	17 2		n.a.
S 17	15 29	27 51	4 22	15 52	1 7	22 54	1 20	21 0	0 52	14 55	0 29	0 42	2 42	14 13	0 48	18 26	1 21	26 8	3 31	16 35	16 38	17 5		n.a.
M18	15 48	26 48	4 55	16 28	1 12	23 9	1 21	21 12	0 52	14 59	0 29	0 41	2 42	14 13	0 48	18 25	1 21	26 8	3 31	16 35	16 37	17 8		n.a.
T 19	16 7	24 23	5 14	17 4	1 17	23 24	1 23	21 22	0 53	15 4	0 29	0 39	2 42	14 13	0 48	18 25	1 21	26 8	3 31	16 35	16 36	17 11		n.a.
W20	16 26	20 42	5 18	17 38	1 22	23 38	1 25	21 33	0 53	15 8	0 29	0 38	2 41	14 13	0 48	18 25	1 21	26 9	3 31	16 35	16 35	17 13		n.a.
T 21	16 44	15 53	5 5	18 12	1 27	23 50	1 26	21 43	0 54	15 13	0 29	0 37	2 41	14 13	0 48	18 25	1 21	26 9	3 31	16 35	16 34	17 16		n.a.
F 22	17 2	10 7	4 34	18 45	1 31	24 3	1 28	21 53	0 54	15 17	0 29	0 36	2 41	14 13	0 48	18 25	1 21	26 9	3 31	16 35	16 33	17 19		n.a.
S 23	17 20	3 40	3 46	19 17	1 36	24 14	1 29	22 3	0 54	15 22	0 29	0 35	2 41	14 13	0 48	18 25	1 21	26 9	3 31	16 35	16 32	17 22		n.a.
S 24	17 37	3n11	2 43	19 48	1 40	24 25	1 31	22 13	0 55	15 26	0 29	0 34	2 40	14 13	0 48	18 25	1 21	26 10	3 31	16 35	16 31	17 25		n.a.
M25	17 54	10 1	1 26	20 18	1 44	24 35	1 32	22 22	0 55	15 30	0 28	0 33	2 40	14 13	0 48	18 25	1 21	26 10	3 31	16 35	16 30	17 27		n.a.
T 26	18 11	16 23	0 3	20 47	1 47	24 45	1 33	22 31	0 56	15 35	0 28	0 32	2 40	14 12	0 48	18 25	1 21	26 10	3 31	16 35	16 29	17 30		n.a.
W27	18 28	21 45	1n21	21 15	1 50	24 53	1 35	22 40	0 56	15 39	0 28	0 31	2 40	14 12	0 48	18 25	1 21	26 11	3 31	16 35	16 28	17 33		n.a.
T 28	18 44	25 37	2 39	21 42	1 53	25 1	1 36	22 49	0 56	15 43	0 28	0 30	2 39	14 12	0 48	18 25	1 21	26 11	3 31	16 35	16 27	17 36		n.a.
F 29	19 0	27 38	3 44	22 8	1 56	25 8	1 37	22 57	0 57	15 48	0 28	0 29	2 39	14 12	0 48	18 25	1 21	26 11	3 32	16 34	16 26	17 38		n.a.
S 30	19s15	27n39	4n33	22s32	1s58	25s14	1s38	23s 5	0s57	15s52	0n28	0n28	2s39	14s12	0s48	18n25	1n22	26s12	3s32	16n34	16n25	17s41		n.a.

Julian Day Number = 1107011.5, Delta T = 10h56m33s
Ecliptic obliquity = 23°53'33, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'38, Lahiri = -27°09'37 Julian Calendar 1 Nov. 1683 BCE == Greg. Calendar 18 Oct. 1683 BCE

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ASTRODIENST EPHEMERIS for the year 1683 BCE
geocentric

DECEMBER 1683 BCE (-1682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 39 55	25♏30'54	28♋ 9	2♐ 2	22♐44	9♐21	14♏ 8	7°R 8	24♒59	13°R22	12♐21	14°R44	14♉13	17♏42	n.a.	S 1
M 2	3 43 52	26°32'08	11♌45	3°43	23°58	10° 8	14°21	7♈ 5	25° 0	13♌22	12°23	14♉43	14°10	17°49	n.a.	M 2
T 3	3 47 48	27°33'22	24°54	5°24	25°13	10°56	14°35	7° 3	25° 0	13°22	12°25	14°D43	14° 6	17°55	n.a.	T 3
W 4	3 51 45	28°34'36	7♍39	7° 5	26°27	11°43	14°49	7° 1	25° 1	13°21	12°27	14°43	14° 3	18° 2	n.a.	W 4
T 5	3 55 41	29°35'49	20° 5	8°47	27°41	12°30	15° 3	6°59	25° 2	13°21	12°28	14°44	14° 0	18° 8	n.a.	T 5
F 6	3 59 38	0♐37'01	2♎14	10°28	28°55	13°18	15°16	6°57	25° 3	13°21	12°30	14°45	13°57	18°15	n.a.	F 6
S 7	4 3 35	1°38'13	14°12	12°10	0♑10	14° 5	15°30	6°55	25° 4	13°21	12°32	14°47	13°54	18°22	n.a.	S 7
S 8	4 7 31	2°39'24	26° 3	13°52	1°24	14°52	15°44	6°53	25° 5	13°21	12°34	14°48	13°51	18°28	n.a.	S 8
M 9	4 11 28	3°40'35	7♏50	15°33	2°38	15°40	15°57	6°52	25° 6	13°20	12°36	14°49	13°47	18°35	n.a.	M 9
T 10	4 15 24	4°41'45	19°37	17°14	3°52	16°27	16°11	6°50	25° 7	13°20	12°38	14°R49	13°44	18°42	n.a.	T 10
W11	4 19 21	5°42'54	1♐25	18°55	5° 6	17°14	16°24	6°49	25° 8	13°20	12°40	14°48	13°41	18°48	n.a.	W11
T 12	4 23 17	6°44'02	13°18	20°35	6°20	18° 2	16°38	6°48	25° 9	13°19	12°42	14°46	13°38	18°55	n.a.	T 12
F 13	4 27 14	7°45'09	25°16	22°13	7°34	18°49	16°51	6°47	25°10	13°19	12°44	14°43	13°35	19° 2	n.a.	F 13
S 14	4 31 10	8°46'15	7♑22	23°51	8°48	19°37	17° 5	6°45	25°12	13°18	12°46	14°39	13°31	19° 8	n.a.	S 14
S 15	4 35 7	9°47'19	19°38	25°27	10° 2	20°24	17°18	6°45	25°13	13°18	12°47	14°34	13°28	19°15	n.a.	S 15
M16	4 39 4	10°48'23	2♒ 5	27° 1	11°15	21°11	17°31	6°44	25°14	13°17	12°49	14°30	13°25	19°22	n.a.	M16
T 17	4 43 0	11°49'24	14°45	28°32	12°29	21°59	17°45	6°43	25°16	13°17	12°51	14°26	13°22	19°28	n.a.	T 17
W18	4 46 57	12°50'25	27°41	0♑ 0	13°43	22°46	17°58	6°42	25°17	13°16	12°53	14°24	13°19	19°35	n.a.	W18
T 19	4 50 53	13°51'24	10♓56	1°25	14°57	23°34	18°11	6°42	25°19	13°15	12°55	14°D23	13°16	19°42	n.a.	T 19
F 20	4 54 50	14°52'21	24°31	2°45	16°10	24°21	18°24	6°42	25°20	13°15	12°57	14°23	13°12	19°48	n.a.	F 20
S 21	4 58 46	15°53'16	8♈29	4° 1	17°24	25° 8	18°38	6°41	25°22	13°14	12°59	14°25	13° 9	19°55	n.a.	S 21
S 22	5 2 43	16°54'10	22°48	5°11	18°38	25°56	18°51	6°41	25°24	13°13	13° 1	14°26	13° 6	20° 1	n.a.	S 22
M23	5 6 40	17°55'02	7♉27	6°14	19°51	26°43	19° 4	6°D41	25°25	13°13	13° 3	14°R27	13° 3	20° 8	n.a.	M23
T 24	5 10 36	18°55'53	22°23	7°10	21° 5	27°30	19°17	6°41	25°27	13°12	13° 5	14°27	13° 0	20°15	n.a.	T 24
W25	5 14 33	19°56'42	7♊27	7°59	22°18	28°18	19°30	6°42	25°29	13°11	13° 7	14°25	12°57	20°21	n.a.	W25
T 26	5 18 29	20°57'30	22°32	8°38	23°31	29° 5	19°43	6°42	25°31	13°10	13° 9	14°22	12°53	20°28	n.a.	T 26
F 27	5 22 26	21°58'16	7♋27	9° 8	24°45	29°52	19°55	6°42	25°33	13° 9	13°11	14°17	12°50	20°35	n.a.	F 27
S 28	5 26 22	22°59'01	22° 6	9°28	25°58	0♑39	20° 8	6°43	25°35	13° 8	13°12	14°11	12°47	20°41	n.a.	S 28
S 29	5 30 19	23°59'44	6♌20	9°R37	27°11	1°27	20°21	6°44	25°37	13° 8	13°14	14° 4	12°44	20°48	n.a.	S 29
M30	5 34 15	25° 0'26	20° 6	9°36	28°24	2°14	20°34	6°44	25°39	13° 7	13°16	13°59	12°41	20°55	n.a.	M30
T 31	5 38 12	26♐ 1'07	3♍24	9♑24	29♑37	3♑ 1	20♏46	6♈45	25♒41	13♌ 6	13♐18	13♉54	12♉38	21♏ 1	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	19s30	25n53	5n 4	22s55	2s 0	25s20	1s39	23s13	0s57	15s56	0n28	0n28	2s39	14s11	0s48	18n26	1n22	26s12	3s32	16n34	16n24	17s44			n.a.
M 2	19 45	22 39	5 17	23 17	2 1	25 25	1 40	23 21	0 58	16 0	0 28	0 27	2 38	14 11	0 48	18 26	1 22	26 12	3 32	16 33	16 23	17 47			n.a.
T 3	19 59	18 21	5 12	23 37	2 2	25 29	1 40	23 28	0 58	16 5	0 28	0 26	2 38	14 11	0 48	18 26	1 22	26 12	3 32	16 33	16 22	17 49			n.a.
W 4	20 13	13 22	4 52	23 55	2 3	25 32	1 41	23 35	0 58	16 9	0 28	0 26	2 38	14 10	0 48	18 26	1 22	26 13	3 32	16 33	16 21	17 52			n.a.
T 5	20 27	7 57	4 19	24 12	2 3	25 34	1 42	23 42	0 59	16 13	0 28	0 25	2 37	14 10	0 48	18 26	1 22	26 13	3 32	16 34	16 20	17 55			n.a.
F 6	20 40	2 22	3 35	24 28	2 3	25 36	1 42	23 48	0 59	16 17	0 27	0 25	2 37	14 10	0 48	18 26	1 22	26 13	3 32	16 34	16 20	17 58			n.a.
S 7	20 53	3s14	2 42	24 41	2 2	25 37	1 43	23 54	0 59	16 21	0 27	0 24	2 37	14 9	0 48	18 26	1 22	26 14	3 32	16 35	16 19	18 0			n.a.
S 8	21 5	8 40	1 42	24 53	2 0	25 37	1 43	24 0	1 0	16 25	0 27	0 24	2 36	14 9	0 48	18 26	1 22	26 14	3 32	16 35	16 18	18 3			n.a.
M 9	21 17	13 47	0 39	25 3	1 58	25 36	1 44	24 6	1 0	16 29	0 27	0 23	2 36	14 9	0 48	18 26	1 22	26 14	3 32	16 35	16 17	18 6			n.a.
T 10	21 29	18 24	0s26	25 11	1 55	25 34	1 44	24 11	1 0	16 34	0 27	0 23	2 36	14 8	0 48	18 27	1 22	26 15	3 32	16 35	16 16	18 8			n.a.
W11	21 40	22 19	1 30	25 16	1 52	25 32	1 44	24 16	1 1	16 38	0 27	0 23	2 36	14 8	0 47	18 27	1 22	26 15	3 32	16 35	16 15	18 11			n.a.
T 12	21 51	25 19	2 31	25 20	1 47	25 29	1 45	24 21	1 1	16 42	0 27	0 23	2 35	14 7	0 47	18 27	1 22	26 15	3 32	16 34	16 14	18 14			n.a.
F 13	22 1	27 13	3 25	25 22	1 42	25 25	1 45	24 26	1 1	16 46	0 27	0 22	2 35	14 7	0 47	18 27	1 22	26 16	3 32	16 33	16 13	18 17			n.a.
S 14	22 11	27 51	4 10	25 21	1 37	25 20	1 45	24 30	1 1	16 49	0 27	0 22	2 35	14 6	0 47	18 27	1 22	26 16	3 32	16 32	16 12	18 19			n.a.
S 15	22 20	27 7	4 45	25 19	1 30	25 15	1 45	24 34	1 2	16 53	0 27	0 22	2 34	14 6	0 47	18 27	1 22	26 16	3 32	16 31	16 11	18 22			n.a.
M16	22 29	25 2	5 6	25 14	1 23	25 8	1 44	24 37	1 2	16 57	0 27	0 22	2 34	14 5	0 47	18 28	1 22	26 17	3 33	16 29	16 10	18 25			n.a.
T 17	22 38	21 42	5 14	25 7	1 14	25 1	1 44	24 41	1 2	17 1	0 27	0 22	2 34	14 5	0 47	18 28	1 22	26 17	3 33	16 28	16 9	18 27			n.a.
W18	22 46	17 16	5 5	24 59	1 5	24 54	1 44	24 44	1 2	17 5	0 27	0 22	2 33	14 4	0 47	18 28	1 23	26 17	3 33	16 28	16 8	18 30			n.a.
T 19	22 54	11 55	4 41	24 48	0 55	24 45	1 43	24 46	1 3	17 9	0 26	0 22	2 33	14 4	0 47	18 28	1 23	26 18	3 33	16 27	16 7	18 33			n.a.
F 20	23 1	5 53	4 0	24 35	0 44	24 36	1 43	24 49	1 3	17 13	0 26	0 22	2 33	14 3	0 47	18 29	1 23	26 18	3 33	16 27	16 6	18 35			n.a.
S 21	23 8	0n36	3 4	24 21	0 31	24 26	1 42	24 51	1 3	17 16	0 26	0 23	2 32	14 3	0 47	18 29	1 23	26 18	3 33	16 28	16 5	18 38			n.a.
S 22	23 14	7 14	1 56	24 6	0 18	24 15	1 42	24 53	1 3	17 20	0 26	0 23	2 32	14 2	0 47	18 29	1 23	26 19	3 33	16 28	16 4	18 41			n.a.
M23	23 20	13 39	0 38	23 49	0 4	24 4	1 41	24 54	1 3	17 24	0 26	0 23	2 32	14 1	0 47	18 29	1 23	26 19	3 33	16 29	16 3	18 43			n.a.
T 24	23 25	19 24	0n43	23 31	0n11	23 51	1 40	24 56	1 4	17 28	0 26	0 24	2 31	14 1	0 47	18 30	1 23	26 19	3 33	16 29	16 2	18 46			n.a.
W25	23 30	23 58	2 2	23 12	0 27	23 39	1 39	24 57	1 4	17 31	0 26	0 24	2 31	14 0	0 47	18 30	1 23	26 20	3 33	16 28	16 1	18 49			n.a.
T 26	23 35	26 53	3 13	22 53	0 43	23 25	1 38	24 57	1 4	17 35	0 26	0 24	2 31	13 59	0 47	18 30	1 23	26 20	3 33	16 27	16 0	18 51			n.a.
F 27	23 39	27 49	4 9	22 34	1 0	23 11	1 37	24 58	1 4	17 38	0 26	0 25	2 31	13 59	0 47	18 30	1 23	26 20	3 34	16 25	15 59	18 54			n.a.
S 28	23 42	26 46	4 48	22 15	1 18	22 56	1 36	24 58	1 4	17 42	0 26	0 25	2 30	13 58	0 47	18 31	1 23	26 21	3 34	16 24	15 58	18 57			n.a.
S 29	23 45	24 0	5 8	21 57	1 36	22 40	1 35	24 58	1 5	17 46	0 26	0 26	2 30	13 57	0 47	18 31	1 23	26 21	3 34	16 22	15 57	18 59			n.a.
M30	23 48	19 55	5 9	21 39	1 54	22 24	1 34	24 57	1 5	17 49	0 26	0 27	2 30	13 57	0 47	18 31	1 23	26 21	3 34	16 20	15 56	19 2			n.a.
T 31	23s50	14n59	4n53	21s22	2n11	22s 7	1s32	24s56	1s 5	17s52	0n26	0n27	2s29	13s56	0s47	18n32	1n23	26s22	3s34	16n19	15n55	19s 5			n.a.

Julian Day Number = 1107041.5, Delta T = 10h56m32s
Ecliptic obliquity = 23°53'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'34, Lahiri = -27°09'33 Julian Calendar 1 Dec. 1683 BCE == Greg. Calendar 17 Nov. 1683 BCE

The year -1682 astronomical counting style corresponds to year 1683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

JANUARY 1682 BCE (-1681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 42 9	27♐ 1'46	16♍15	9°R 1	0♒50	3♑48	20♏59	6♈46	25♒43	13°R 5	13♐20	13°R52	12♉34	21♏ 8	n.a.	W 1
T 2	5 46 5	28° 2'23	28°43	8♑29	2° 3	4°36	21°11	6°47	25°45	13♌ 4	13°22	13°D51	12°31	21°15	n.a.	T 2
F 3	5 50 2	29° 2'59	10♎52	7°47	3°16	5°23	21°24	6°49	25°47	13° 3	13°24	13♉52	12°28	21°21	n.a.	F 3
S 4	5 53 58	0♑ 3'34	22°49	6°57	4°29	6°10	21°36	6°50	25°49	13° 1	13°26	13°53	12°25	21°28	n.a.	S 4
S 5	5 57 55	1° 4'07	4♏38	6° 0	5°41	6°57	21°48	6°52	25°52	13° 0	13°27	13°55	12°22	21°35	n.a.	S 5
M 6	6 1 51	2° 4'39	16°23	4°58	6°54	7°44	22° 1	6°53	25°54	12°59	13°29	13°R55	12°18	21°41	n.a.	M 6
T 7	6 5 48	3° 5'09	28°10	3°52	8° 7	8°31	22°13	6°55	25°56	12°58	13°31	13°54	12°15	21°48	n.a.	T 7
W 8	6 9 44	4° 5'38	10♐ 2	2°45	9°19	9°19	22°25	6°57	25°59	12°57	13°33	13°50	12°12	21°54	n.a.	W 8
T 9	6 13 41	5° 6'05	22° 2	1°38	10°32	10° 6	22°37	6°59	26° 1	12°56	13°35	13°44	12° 9	22° 1	n.a.	T 9
F 10	6 17 38	6° 6'30	4♑11	0°32	11°44	10°53	22°49	7° 1	26° 3	12°54	13°37	13°36	12° 6	22° 8	n.a.	F 10
S 11	6 21 34	7° 6'53	16°32	29♐30	12°56	11°40	23° 1	7° 3	26° 6	12°53	13°38	13°26	12° 3	22°14	n.a.	S 11
S 12	6 25 31	8° 7'14	29° 4	28°31	14° 9	12°27	23°13	7° 5	26° 8	12°52	13°40	13°16	11°59	22°21	n.a.	S 12
M13	6 29 27	9° 7'33	11♒47	27°39	15°21	13°14	23°24	7° 7	26°11	12°51	13°42	13° 6	11°56	22°28	n.a.	M13
T 14	6 33 24	10° 7'50	24°43	26°52	16°33	14° 1	23°36	7°10	26°14	12°49	13°44	12°56	11°53	22°34	n.a.	T 14
W15	6 37 20	11° 8'05	7♓51	26°12	17°45	14°48	23°48	7°12	26°16	12°48	13°45	12°50	11°50	22°41	n.a.	W15
T 16	6 41 17	12° 8'17	21°12	25°39	18°57	15°35	23°59	7°15	26°19	12°47	13°47	12°45	11°47	22°48	n.a.	T 16
F 17	6 45 13	13° 8'28	4♈46	25°13	20° 9	16°22	24°10	7°18	26°21	12°45	13°49	12°43	11°43	22°54	n.a.	F 17
S 18	6 49 10	14° 8'35	18°35	24°55	21°20	17° 8	24°22	7°21	26°24	12°44	13°51	12°D43	11°40	23° 1	n.a.	S 18
S 19	6 53 7	15° 8'41	2♉39	24°43	22°32	17°55	24°33	7°24	26°27	12°43	13°52	12°43	11°37	23° 8	n.a.	S 19
M20	6 57 3	16° 8'44	16°58	24°D38	23°43	18°42	24°44	7°27	26°30	12°41	13°54	12°R44	11°34	23°14	n.a.	M20
T 21	7 1 0	17° 8'45	1♊30	24°40	24°55	19°29	24°55	7°30	26°32	12°40	13°56	12°42	11°31	23°21	n.a.	T 21
W22	7 4 56	18° 8'44	16°10	24°48	26° 6	20°16	25° 6	7°33	26°35	12°38	13°57	12°38	11°28	23°28	n.a.	W22
T 23	7 8 53	19° 8'40	0♋54	25° 1	27°17	21° 2	25°17	7°37	26°38	12°37	13°59	12°32	11°24	23°34	n.a.	T 23
F 24	7 12 49	20° 8'35	15°34	25°21	28°28	21°49	25°28	7°40	26°41	12°35	14° 1	12°23	11°21	23°41	n.a.	F 24
S 25	7 16 46	21° 8'27	0♌ 2	25°45	29°39	22°36	25°38	7°44	26°44	12°34	14° 2	12°12	11°18	23°48	n.a.	S 25
S 26	7 20 43	22° 8'17	14°12	26°14	0♓50	23°22	25°49	7°48	26°47	12°32	14° 4	12° 1	11°15	23°54	n.a.	S 26
M27	7 24 39	23° 8'05	27°58	26°48	2° 1	24° 9	25°59	7°51	26°50	12°31	14° 5	11°50	11°12	24° 1	n.a.	M27
T 28	7 28 36	24° 7'50	11♍19	27°26	3°12	24°56	26°10	7°55	26°53	12°29	14° 7	11°42	11° 9	24° 7	n.a.	T 28
W29	7 32 32	25° 7'34	24°14	28° 8	4°22	25°42	26°20	7°59	26°56	12°28	14° 9	11°35	11° 5	24°14	n.a.	W29
T 30	7 36 29	26° 7'16	6♎45	28°54	5°33	26°29	26°30	8° 3	26°59	12°26	14°10	11°32	11° 2	24°21	n.a.	T 30
F 31	7 40 25	27♑ 6'56	18♎58	29♐44	6♓43	27♑15	26♏40	8♈ 7	27♒ 2	12♌25	14♐12	11♉30	10♉59	24♏27	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23s51	9n33	4n23	21s 7	2n28	21s50	1s31	24s55	1s 5	17s56	0n25	0n28	2s29	13s55	0s47	18n32	1n23	26s22	3s34	16n18	15n54	19s 7			n.a.
T 2	23 53	3 53	3 41	20 53	2 45	21 32	1 29	24 54	1 5	17 59	0 25	0 29	2 29	13 54	0 47	18 32	1 23	26 22	3 34	16 18	15 53	19 10			n.a.
F 3	23 53	1s47	2 49	20 40	3 0	21 13	1 28	24 52	1 5	18 3	0 25	0 29	2 28	13 54	0 47	18 33	1 23	26 23	3 34	16 18	15 52	19 13			n.a.
S 4	23 53	7 19	1 52	20 29	3 13	20 54	1 26	24 50	1 5	18 6	0 25	0 30	2 28	13 53	0 47	18 33	1 23	26 23	3 34	16 18	15 51	19 15			n.a.
S 5	23 53	12 31	0 50	20 20	3 25	20 34	1 24	24 48	1 5	18 9	0 25	0 31	2 28	13 52	0 47	18 34	1 23	26 23	3 34	16 19	15 50	19 18			n.a.
M 6	23 53	17 16	0s13	20 13	3 35	20 14	1 23	24 45	1 6	18 13	0 25	0 32	2 27	13 51	0 47	18 34	1 23	26 24	3 35	16 19	15 49	19 20			n.a.
T 7	23 51	21 22	1 16	20 7	3 43	19 53	1 21	24 42	1 6	18 16	0 25	0 33	2 27	13 50	0 46	18 34	1 23	26 24	3 35	16 19	15 48	19 23			n.a.
W 8	23 50	24 37	2 16	20 3	3 48	19 31	1 19	24 39	1 6	18 19	0 25	0 34	2 27	13 49	0 46	18 35	1 24	26 25	3 35	16 17	15 47	19 26			n.a.
T 9	23 47	26 49	3 10	20 1	3 52	19 9	1 16	24 36	1 6	18 22	0 25	0 35	2 26	13 49	0 46	18 35	1 24	26 25	3 35	16 16	15 46	19 28			n.a.
F 10	23 45	27 46	3 57	20 1	3 53	18 47	1 14	24 32	1 6	18 25	0 25	0 36	2 26	13 48	0 46	18 35	1 24	26 25	3 35	16 13	15 45	19 31			n.a.
S 11	23 42	27 21	4 33	20 2	3 51	18 24	1 12	24 28	1 6	18 29	0 25	0 37	2 26	13 47	0 46	18 36	1 24	26 26	3 35	16 10	15 44	19 33			n.a.
S 12	23 38	25 33	4 56	20 5	3 48	18 0	1 10	24 24	1 6	18 32	0 25	0 39	2 25	13 46	0 46	18 36	1 24	26 26	3 35	16 7	15 43	19 36			n.a.
M13	23 34	22 27	5 5	20 9	3 43	17 36	1 7	24 19	1 6	18 35	0 25	0 40	2 25	13 45	0 46	18 37	1 24	26 26	3 35	16 4	15 42	19 39			n.a.
T 14	23 30	18 12	4 59	20 15	3 37	17 12	1 5	24 14	1 6	18 38	0 25	0 41	2 25	13 44	0 46	18 37	1 24	26 27	3 36	16 1	15 41	19 41			n.a.
W15	23 25	13 3	4 37	20 21	3 29	16 47	1 2	24 9	1 6	18 41	0 25	0 42	2 24	13 43	0 46	18 37	1 24	26 27	3 36	15 59	15 40	19 44			n.a.
T 16	23 20	7 12	4 0	20 30	3 20	16 22	1 0	24 4	1 6	18 44	0 24	0 44	2 24	13 42	0 46	18 38	1 24	26 27	3 36	15 57	15 39	19 46			n.a.
F 17	23 14	0 56	3 8	20 39	3 10	15 57	0 57	23 58	1 6	18 47	0 24	0 45	2 24	13 41	0 46	18 38	1 24	26 28	3 36	15 57	15 38	19 49			n.a.
S 18	23 7	5n30	2 5	20 49	2 59	15 31	0 54	23 52	1 6	18 49	0 24	0 47	2 24	13 40	0 46	18 39	1 24	26 28	3 36	15 57	15 37	19 51			n.a.
S 19	23 1	11 47	0 54	21 0	2 47	15 4	0 51	23 46	1 6	18 52	0 24	0 48	2 23	13 39	0 46	18 39	1 24	26 28	3 36	15 57	15 36	19 54			n.a.
M20	22 54	17 35	0n23	21 12	2 35	14 38	0 48	23 39	1 6	18 55	0 24	0 50	2 23	13 38	0 46	18 40	1 24	26 29	3 36	15 57	15 35	19 57			n.a.
T 21	22 46	22 27	1 38	21 24	2 23	14 10	0 45	23 32	1 6	18 58	0 24	0 51	2 23	13 37	0 46	18 40	1 24	26 29	3 36	15 57	15 34	19 59			n.a.
W22	22 38	25 57	2 48	21 37	2 11	13 43	0 42	23 25	1 6	19 1	0 24	0 53	2 22	13 36	0 46	18 41	1 24	26 29	3 37	15 55	15 33	20 2			n.a.
T 23	22 30	27 40	3 47	21 50	1 58	13 15	0 39	23 18	1 6	19 3	0 24	0 54	2 22	13 35	0 46	18 41	1 24	26 30	3 37	15 53	15 32	20 4			n.a.
F 24	22 21	27 26	4 30	22 3	1 46	12 47	0 36	23 10	1 6	19 6	0 24	0 56	2 22	13 34	0 46	18 41	1 24	26 30	3 37	15 51	15 31	20 7			n.a.
S 25	22 12	25 20	4 56	22 16	1 33	12 19	0 33	23 3	1 6	19 9	0 24	0 58	2 21	13 33	0 46	18 42	1 24	26 30	3 37	15 47	15 30	20 9			n.a.
S 26	22 2	21 41	5 2	22 29	1 21	11 51	0 30	22 55	1 6	19 11	0 24	1 0	2 21	13 32	0 46	18 42	1 24	26 31	3 37	15 44	15 29	20 12			n.a.
M27	21 52	16 56	4 51	22 42	1 9	11 22	0 26	22 46	1 6	19 14	0 24	1 1	2 21	13 31	0 46	18 43	1 24	26 31	3 37	15 40	15 28	20 14			n.a.
T 28	21 42	11 30	4 23	22 55	0 57	10 53	0 23	22 38	1 6	19 16	0 24	1 3	2 21	13 30	0 46	18 43	1 24	26 31	3 37	15 38	15 27	20 17			n.a.
W29	21 31	5 44	3 43	23 8	0 45	10 23	0 19	22 29	1 6	19 19	0 24	1 5	2 20	13 29	0 46	18 44	1 24	26 32	3 38	15 36	15 26	20 19			n.a.
T 30	21 19	0s 5	2 53	23 20	0 34	9 54	0 16	22 20	1 6	19 21	0 24	1 7	2 20	13 28	0 46	18 44	1 24	26 32	3 38	15 35	15 25	20 22			n.a.
F 31	21s 8	5s46	1n57	23s31	0n22	9s24	0s12	22s11	1s 6	19s24	0n24	1n 9	2s20	13s27	0s46	18n45	1n24	26s32	3s38	15n34	15n24	20s24			n.a.

Julian Day Number = 1107072.5, Delta T = 10h56m30s
Ecliptic obliquity = 23°53'32, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'30, Lahiri = -27°09'29 Julian Calendar 1 Jan. 1682 BCE == Greg. Calendar 18 Dec. 1683 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

FEBRUARY 1682 BCE (-1681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 44 22	28♉ 6'34	0♏57	0♉36	7♓53	28♉ 1	26♏50	8♈12	27♒ 5	12°R23	14♐13	11°D30	10♌56	24♏34	n.a.	S 1
S 2	7 48 18	29° 6'11	12°46	1°32	9° 3	28°48	27° 0	8°16	27° 8	12♑21	14°15	11°R30	10°53	24°41	n.a.	S 2
M 3	7 52 15	0♒ 5'45	24°33	2°30	10°13	29°34	27° 9	8°20	27°11	12°20	14°16	11♌29	10°49	24°47	n.a.	M 3
T 4	7 56 11	1° 5'17	6♐23	3°31	11°23	0♒21	27°19	8°25	27°14	12°18	14°17	11°27	10°46	24°54	n.a.	T 4
W 5	8 0 8	2° 4'48	18°19	4°35	12°32	1° 7	27°29	8°30	27°17	12°17	14°19	11°22	10°43	25° 1	n.a.	W 5
T 6	8 4 5	3° 4'16	0♉25	5°41	13°42	1°53	27°38	8°34	27°21	12°15	14°20	11°14	10°40	25° 7	n.a.	T 6
F 7	8 8 1	4° 3'43	12°46	6°49	14°51	2°39	27°47	8°39	27°24	12°13	14°22	11° 4	10°37	25°14	n.a.	F 7
S 8	8 11 58	5° 3'07	25°21	8° 0	16° 1	3°25	27°56	8°44	27°27	12°12	14°23	10°51	10°34	25°21	n.a.	S 8
S 9	8 15 54	6° 2'29	8♒11	9°13	17°10	4°12	28° 5	8°49	27°30	12°10	14°24	10°38	10°30	25°27	n.a.	S 9
M10	8 19 51	7° 1'49	21°16	10°27	18°19	4°58	28°14	8°54	27°34	12° 8	14°26	10°25	10°27	25°34	n.a.	M10
T 11	8 23 47	8° 1'06	4♓34	11°44	19°27	5°44	28°23	8°59	27°37	12° 7	14°27	10°13	10°24	25°41	n.a.	T 11
W12	8 27 44	9° 0'22	18° 3	13° 2	20°36	6°30	28°32	9° 4	27°40	12° 5	14°28	10° 3	10°21	25°47	n.a.	W12
T 13	8 31 40	9°59'34	1♈42	14°22	21°45	7°16	28°40	9°10	27°43	12° 3	14°29	9°57	10°18	25°54	n.a.	T 13
F 14	8 35 37	10°58'44	15°29	15°44	22°53	8° 2	28°48	9°15	27°47	12° 2	14°31	9°53	10°15	26° 1	n.a.	F 14
S 15	8 39 33	11°57'52	29°23	17° 8	24° 1	8°48	28°57	9°20	27°50	12° 0	14°32	9°52	10°11	26° 7	n.a.	S 15
S 16	8 43 30	12°56'57	13♌24	18°33	25° 9	9°33	29° 5	9°26	27°53	11°58	14°33	9°52	10° 8	26°14	n.a.	S 16
M17	8 47 27	13°56'00	27°32	19°59	26°17	10°19	29°13	9°31	27°57	11°57	14°34	9°52	10° 5	26°20	n.a.	M17
T 18	8 51 23	14°55'01	11♊45	21°28	27°24	11° 5	29°21	9°37	28° 0	11°55	14°35	9°50	10° 2	26°27	n.a.	T 18
W19	8 55 20	15°53'58	26° 2	22°58	28°32	11°51	29°28	9°43	28° 3	11°54	14°36	9°46	9°59	26°34	n.a.	W19
T 20	8 59 16	16°52'54	10♋19	24°29	29°39	12°36	29°36	9°49	28° 7	11°52	14°37	9°39	9°55	26°40	n.a.	T 20
F 21	9 3 13	17°51'47	24°33	26° 2	0♈46	13°22	29°43	9°54	28°10	11°50	14°39	9°29	9°52	26°47	n.a.	F 21
S 22	9 7 9	18°50'38	8♌37	27°37	1°53	14° 7	29°50	10° 0	28°13	11°49	14°40	9°18	9°49	26°54	n.a.	S 22
S 23	9 11 6	19°49'26	22°28	29°13	2°59	14°53	29°58	10° 6	28°17	11°47	14°41	9° 5	9°46	27° 0	n.a.	S 23
M24	9 15 2	20°48'13	6♍ 1	0♒50	4° 6	15°38	0♐ 5	10°12	28°20	11°45	14°42	8°54	9°43	27° 7	n.a.	M24
T 25	9 18 59	21°46'57	19°13	2°29	5°12	16°24	0°11	10°18	28°24	11°44	14°42	8°44	9°40	27°14	n.a.	T 25
W26	9 22 55	22°45'39	2♎ 4	4°10	6°18	17° 9	0°18	10°25	28°27	11°42	14°43	8°37	9°36	27°20	n.a.	W26
T 27	9 26 52	23°44'19	14°34	5°52	7°24	17°55	0°25	10°31	28°30	11°40	14°44	8°32	9°33	27°27	n.a.	T 27
F 28	9 30 49	24♒42'57	26♎47	7♒35	8♈29	18♒40	0♐31	10♈37	28♒34	11♑39	14♐45	8♌30	9♌30	27♏34	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s56	11s 9	0n56	23s42	0n12	8s54	0s 8	22s 1	1s 6	19s26	0n24	1n11	2s19	13s26	0s46	18n45	1n24	26s33	3s38	15n34	15n23	20s27		n.a.
S 2	20 43	16 4	0s 7	23 52	0 1	8 24	0 5	21 52	1 6	19 29	0 23	1 13	2 19	13 25	0 46	18 46	1 24	26 33	3 38	15 34	15 22	20 29		n.a.
M 3	20 31	20 23	1 9	24 1	0s 9	7 54	0 1	21 42	1 6	19 31	0 23	1 15	2 19	13 24	0 46	18 46	1 24	26 33	3 38	15 34	15 21	20 32		n.a.
T 4	20 18	23 53	2 8	24 10	0 19	7 23	0n 3	21 31	1 5	19 33	0 23	1 17	2 19	13 23	0 46	18 47	1 24	26 34	3 38	15 33	15 20	20 34		n.a.
W 5	20 4	26 23	3 2	24 17	0 28	6 53	0 7	21 21	1 5	19 35	0 23	1 19	2 18	13 21	0 46	18 47	1 24	26 34	3 39	15 31	15 19	20 37		n.a.
T 6	19 50	27 42	3 48	24 24	0 37	6 22	0 11	21 10	1 5	19 38	0 23	1 21	2 18	13 20	0 46	18 48	1 24	26 34	3 39	15 29	15 18	20 39		n.a.
F 7	19 36	27 40	4 25	24 29	0 46	5 51	0 14	21 0	1 5	19 40	0 23	1 23	2 18	13 19	0 46	18 48	1 24	26 35	3 39	15 26	15 17	20 42		n.a.
S 8	19 22	26 12	4 49	24 33	0 55	5 20	0 18	20 49	1 5	19 42	0 23	1 25	2 18	13 18	0 46	18 49	1 24	26 35	3 39	15 22	15 16	20 44		n.a.
S 9	19 7	23 23	5 0	24 36	1 3	4 49	0 22	20 37	1 5	19 44	0 23	1 28	2 17	13 17	0 46	18 49	1 24	26 35	3 39	15 18	15 15	20 47		n.a.
M10	18 52	19 19	4 55	24 38	1 10	4 18	0 27	20 26	1 5	19 46	0 23	1 30	2 17	13 16	0 46	18 50	1 24	26 36	3 39	15 13	15 14	20 49		n.a.
T 11	18 36	14 15	4 34	24 39	1 17	3 47	0 31	20 14	1 5	19 48	0 23	1 32	2 17	13 15	0 46	18 50	1 24	26 36	3 40	15 10	15 13	20 52		n.a.
W12	18 21	8 26	3 57	24 38	1 24	3 16	0 35	20 2	1 4	19 50	0 23	1 35	2 17	13 13	0 46	18 51	1 25	26 36	3 40	15 7	15 12	20 54		n.a.
T 13	18 5	2 10	3 7	24 36	1 31	2 44	0 39	19 50	1 4	19 52	0 23	1 37	2 16	13 12	0 46	18 51	1 25	26 37	3 40	15 4	15 11	20 56		n.a.
F 14	17 48	4n17	2 5	24 33	1 37	2 13	0 43	19 38	1 4	19 54	0 23	1 39	2 16	13 11	0 46	18 52	1 25	26 37	3 40	15 3	15 10	20 59		n.a.
S 15	17 32	10 36	0 55	24 28	1 42	1 42	0 47	19 26	1 4	19 56	0 23	1 42	2 16	13 10	0 46	18 52	1 25	26 37	3 40	15 3	15 9	21 1		n.a.
S 16	17 15	16 27	0n19	24 21	1 47	1 11	0 52	19 13	1 4	19 58	0 23	1 44	2 16	13 9	0 46	18 53	1 25	26 38	3 40	15 3	15 8	21 4		n.a.
M17	16 57	21 28	1 32	24 13	1 52	0 39	0 56	19 0	1 4	20 0	0 23	1 46	2 15	13 7	0 46	18 53	1 25	26 38	3 41	15 3	15 7	21 6		n.a.
T 18	16 40	25 16	2 40	24 3	1 56	0 8	1 0	18 47	1 3	20 1	0 22	1 49	2 15	13 6	0 46	18 53	1 25	26 38	3 41	15 2	15 6	21 9		n.a.
W19	16 22	27 28	3 38	23 52	2 0	0n23	1 4	18 34	1 3	20 3	0 22	1 51	2 15	13 5	0 46	18 54	1 25	26 38	3 41	15 1	15 5	21 11		n.a.
T 20	16 4	27 51	4 23	23 39	2 3	0 54	1 9	18 21	1 3	20 5	0 22	1 54	2 15	13 4	0 46	18 54	1 25	26 39	3 41	14 59	15 4	21 13		n.a.
F 21	15 46	26 23	4 51	23 24	2 6	1 25	1 13	18 8	1 3	20 7	0 22	1 57	2 14	13 3	0 46	18 55	1 25	26 39	3 41	14 55	15 3	21 16		n.a.
S 22	15 28	23 16	5 1	23 8	2 9	1 56	1 17	17 54	1 3	20 8	0 22	1 59	2 14	13 2	0 46	18 55	1 25	26 39	3 41	14 52	15 2	21 18		n.a.
S 23	15 9	18 53	4 53	22 50	2 11	2 27	1 22	17 40	1 2	20 10	0 22	2 2	2 14	13 0	0 46	18 56	1 25	26 40	3 42	14 48	15 1	21 21		n.a.
M24	14 50	13 37	4 28	22 30	2 12	2 58	1 26	17 26	1 2	20 11	0 22	2 4	2 14	12 59	0 46	18 56	1 25	26 40	3 42	14 44	15 0	21 23		n.a.
T 25	14 31	7 51	3 50	22 8	2 13	3 29	1 30	17 12	1 2	20 13	0 22	2 7	2 14	12 58	0 46	18 57	1 25	26 40	3 42	14 41	14 59	21 25		n.a.
W26	14 11	1 55	3 0	21 45	2 14	4 0	1 35	16 58	1 2	20 14	0 22	2 10	2 13	12 57	0 46	18 57	1 25	26 41	3 42	14 38	14 58	21 28		n.a.
T 27	13 52	3s57	2 3	21 19	2 14	4 30	1 39	16 44	1 1	20 16	0 22	2 12	2 13	12 55	0 46	18 58	1 25	26 41	3 42	14 37	14 57	21 30		n.a.
F 28	13s32	9s34	1n 2	20s52	2s13	5n 0	1n44	16s29	1s 1	20s17	0n22	2n15	2s13	12s54	0s46	18n58	1n25	26s41	3s43	14n36	14n56	21s33		n.a.

Julian Day Number = 1107103.5, Delta T = 10h56m28s
Ecliptic obliquity = 23°53'33, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'25, Lahiri = -27°09'25 Julian Calendar 1 Feb. 1682 BCE == Greg. Calendar 18 Jan. 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

MARCH 1682 BCE (-1681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 34 45	25♒41'34	8♏47	9♒20	9♈35	19♒25	0♐37	10♈43	28♒37	11°R37	14♐46	8°D29	9♉27	27♏40	n.a.	S 1
S 2	9 38 42	26°40'08	20°39	11° 7	10°40	20°10	0°43	10°50	28°41	11♌36	14°47	8♉29	9°24	27°47	n.a.	S 2
M 3	9 42 38	27°38'41	2♐27	12°55	11°44	20°55	0°49	10°56	28°44	11°34	14°48	8°R29	9°21	27°54	n.a.	M 3
T 4	9 46 35	28°37'12	14°18	14°45	12°49	21°41	0°55	11° 3	28°47	11°33	14°48	8°28	9°17	28° 0	n.a.	T 4
W 5	9 50 31	29°35'41	26°17	16°36	13°53	22°26	1° 1	11°10	28°51	11°31	14°49	8°25	9°14	28° 7	n.a.	W 5
T 6	9 54 28	0♓34'09	8♑28	18°29	14°57	23°11	1° 6	11°16	28°54	11°29	14°50	8°19	9°11	28°14	n.a.	T 6
F 7	9 58 24	1°32'34	20°56	20°24	16° 1	23°56	1°11	11°23	28°58	11°28	14°51	8°11	9° 8	28°20	n.a.	F 7
S 8	10 2 21	2°30'58	3♒42	22°20	17° 4	24°40	1°17	11°30	29° 1	11°26	14°51	8° 1	9° 5	28°27	n.a.	S 8
S 9	10 6 18	3°29'20	16°47	24°17	18° 8	25°25	1°21	11°36	29° 5	11°25	14°52	7°50	9° 1	28°34	n.a.	S 9
M10	10 10 14	4°27'40	0♓11	26°16	19°11	26°10	1°26	11°43	29° 8	11°23	14°53	7°39	8°58	28°40	n.a.	M10
T 11	10 14 11	5°25'58	13°52	28°17	20°13	26°55	1°31	11°50	29°11	11°22	14°53	7°30	8°55	28°47	n.a.	T 11
W12	10 18 7	6°24'14	27°46	0♓19	21°15	27°40	1°35	11°57	29°15	11°20	14°54	7°22	8°52	28°54	n.a.	W12
T 13	10 22 4	7°22'27	11♈50	2°22	22°17	28°24	1°40	12° 4	29°18	11°19	14°54	7°17	8°49	29° 0	n.a.	T 13
F 14	10 26 0	8°20'39	25°59	4°26	23°19	29° 9	1°44	12°11	29°22	11°18	14°55	7°15	8°46	29° 7	n.a.	F 14
S 15	10 29 57	9°18'49	10♉11	6°32	24°20	29°53	1°48	12°18	29°25	11°16	14°55	7°D14	8°42	29°13	n.a.	S 15
S 16	10 33 53	10°16'56	24°22	8°39	25°21	0♓38	1°51	12°25	29°28	11°15	14°56	7°15	8°39	29°20	n.a.	S 16
M17	10 37 50	11°15'02	8♊32	10°47	26°22	1°22	1°55	12°32	29°32	11°13	14°56	7°R15	8°36	29°27	n.a.	M17
T 18	10 41 46	12°13'05	22°38	12°55	27°22	2° 7	1°58	12°40	29°35	11°12	14°57	7°15	8°33	29°33	n.a.	T 18
W19	10 45 43	13°11'06	6♋40	15° 4	28°22	2°51	2° 2	12°47	29°38	11°11	14°57	7°13	8°30	29°40	n.a.	W19
T 20	10 49 40	14° 9'05	20°36	17°13	29°21	3°35	2° 5	12°54	29°42	11° 9	14°57	7° 8	8°27	29°47	n.a.	T 20
F 21	10 53 36	15° 7'03	4♌24	19°22	0♉20	4°20	2° 7	13° 2	29°45	11° 8	14°58	7° 2	8°23	29°53	n.a.	F 21
S 22	10 57 33	16° 4'58	18° 2	21°31	1°19	5° 4	2°10	13° 9	29°48	11° 7	14°58	6°54	8°20	0♐ 0	n.a.	S 22
S 23	11 1 29	17° 2'51	1♍27	23°39	2°17	5°48	2°13	13°16	29°52	11° 5	14°58	6°45	8°17	0° 7	n.a.	S 23
M24	11 5 26	18° 0'42	14°38	25°46	3°15	6°32	2°15	13°24	29°55	11° 4	14°58	6°37	8°14	0°13	n.a.	M24
T 25	11 9 22	18°58'31	27°33	27°52	4°12	7°16	2°17	13°31	29°58	11° 3	14°59	6°30	8°11	0°20	n.a.	T 25
W26	11 13 19	19°56'19	10♎11	29°57	5° 9	8° 0	2°19	13°39	0♓ 2	11° 2	14°59	6°25	8° 7	0°27	n.a.	W26
T 27	11 17 15	20°54'06	22°34	2♈ 0	6° 5	8°44	2°21	13°46	0° 5	11° 1	14°59	6°22	8° 4	0°33	n.a.	T 27
F 28	11 21 12	21°51'51	4♏43	4° 1	7° 1	9°28	2°22	13°54	0° 8	10°59	14°59	6°D21	8° 1	0°40	n.a.	F 28
S 29	11 25 8	22°49'34	16°41	6° 0	7°56	10°12	2°24	14° 1	0°11	10°58	14°59	6°22	7°58	0°47	n.a.	S 29
S 30	11 29 5	23°47'16	28°32	7°57	8°51	10°55	2°25	14° 9	0°14	10°57	14°59	6°23	7°55	0°53	n.a.	S 30
M31	11 33 2	24♓44'57	10♐21	9♈51	9♉45	11♓39	2♐26	14♈16	0♓18	10♌56	14♐59	6♉24	7♉52	1♐ 0	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s12	14s43	0s 2	20s23	2s12	5n31	1n48	16s14	1s 1	20s19	0n22	2n18	2s13	12s53	0s46	18n59	1n25	26s41	3s43	14n36	14n55	21s35		n.a.
S 2	12 52	19 17	1 4	19 51	2 11	6 1	1 52	16 0	1 1	20 20	0 22	2 20	2 12	12 52	0 46	18 59	1 25	26 42	3 43	14 36	14 54	21 37		n.a.
M 3	12 31	23 4	2 4	19 18	2 9	6 31	1 57	15 45	1 0	20 21	0 22	2 23	2 12	12 51	0 46	19 0	1 25	26 42	3 43	14 36	14 53	21 40		n.a.
T 4	12 10	25 54	2 58	18 43	2 6	7 0	2 1	15 30	1 0	20 23	0 22	2 26	2 12	12 49	0 46	19 0	1 25	26 42	3 43	14 36	14 52	21 42		n.a.
W 5	11 50	27 36	3 46	18 6	2 3	7 30	2 5	15 14	1 0	20 24	0 22	2 29	2 12	12 48	0 46	19 0	1 25	26 43	3 43	14 35	14 51	21 44		n.a.
T 6	11 29	28 0	4 23	17 27	1 59	7 59	2 9	14 59	1 0	20 25	0 21	2 32	2 12	12 47	0 46	19 1	1 25	26 43	3 44	14 33	14 50	21 47		n.a.
F 7	11 8	27 0	4 50	16 47	1 55	8 28	2 14	14 44	0 59	20 26	0 21	2 34	2 12	12 46	0 46	19 1	1 25	26 43	3 44	14 30	14 49	21 49		n.a.
S 8	10 46	24 35	5 2	16 4	1 50	8 57	2 18	14 28	0 59	20 27	0 21	2 37	2 11	12 45	0 46	19 2	1 25	26 43	3 44	14 27	14 48	21 51		n.a.
S 9	10 25	20 51	4 59	15 19	1 45	9 25	2 22	14 12	0 59	20 28	0 21	2 40	2 11	12 43	0 46	19 2	1 25	26 44	3 44	14 23	14 47	21 54		n.a.
M10	10 3	15 58	4 40	14 33	1 39	9 54	2 26	13 57	0 58	20 30	0 21	2 43	2 11	12 42	0 46	19 3	1 25	26 44	3 44	14 20	14 45	21 56		n.a.
T 11	9 42	10 13	4 5	13 44	1 33	10 22	2 31	13 41	0 58	20 31	0 21	2 46	2 11	12 41	0 46	19 3	1 25	26 44	3 45	14 16	14 44	21 58		n.a.
W12	9 20	3 52	3 14	12 54	1 26	10 50	2 35	13 25	0 58	20 32	0 21	2 49	2 11	12 40	0 46	19 3	1 25	26 44	3 45	14 14	14 43	22 1		n.a.
T 13	8 58	2n45	2 11	12 2	1 18	11 17	2 39	13 9	0 57	20 32	0 21	2 52	2 10	12 39	0 46	19 4	1 25	26 45	3 45	14 12	14 42	22 3		n.a.
F 14	8 36	9 18	1 0	11 9	1 10	11 44	2 43	12 53	0 57	20 33	0 21	2 55	2 10	12 37	0 46	19 4	1 25	26 45	3 45	14 11	14 41	22 5		n.a.
S 15	8 14	15 24	0n16	10 14	1 2	12 11	2 47	12 36	0 57	20 34	0 21	2 58	2 10	12 36	0 46	19 5	1 25	26 45	3 45	14 11	14 40	22 8		n.a.
S 16	7 51	20 41	1 30	9 18	0 53	12 38	2 51	12 20	0 56	20 35	0 21	3 1	2 10	12 35	0 46	19 5	1 25	26 45	3 46	14 11	14 39	22 10		n.a.
M17	7 29	24 46	2 40	8 20	0 43	13 4	2 55	12 4	0 56	20 36	0 21	3 4	2 10	12 34	0 46	19 5	1 24	26 46	3 46	14 12	14 38	22 12		n.a.
T 18	7 6	27 19	3 39	7 21	0 34	13 30	2 58	11 47	0 56	20 37	0 21	3 7	2 10	12 32	0 46	19 6	1 24	26 46	3 46	14 11	14 37	22 14		n.a.
W19	6 44	28 7	4 24	6 21	0 24	13 55	3 2	11 31	0 55	20 37	0 21	3 10	2 10	12 31	0 46	19 6	1 24	26 46	3 46	14 11	14 36	22 17		n.a.
T 20	6 21	27 7	4 54	5 21	0 13	14 20	3 6	11 14	0 55	20 38	0 21	3 13	2 9	12 30	0 46	19 6	1 24	26 46	3 46	14 9	14 35	22 19		n.a.
F 21	5 58	24 28	5 6	4 20	0 3	14 45	3 9	10 57	0 55	20 39	0 20	3 16	2 9	12 29	0 46	19 7	1 24	26 46	3 46	14 7	14 34	22 21		n.a.
S 22	5 35	20 28	5 1	3 18	0n 8	15 10	3 13	10 40	0 54	20 39	0 20	3 19	2 9	12 28	0 46	19 7	1 24	26 47	3 47	14 4	14 33	22 24		n.a.
S 23	5 13	15 29	4 39	2 17	0 19	15 34	3 17	10 24	0 54	20 40	0 20	3 22	2 9	12 27	0 46	19 7	1 24	26 47	3 47	14 2	14 32	22 26		n.a.
M24	4 50	9 52	4 2	1 16	0 30	15 57	3 20	10 7	0 54	20 40	0 20	3 25	2 9	12 25	0 46	19 8	1 24	26 47	3 47	13 59	14 31	22 28		n.a.
T 25	4 27	3 57	3 14	0 15	0 41	16 20	3 23	9 50	0 53	20 41	0 20	3 28	2 9	12 24	0 46	19 8	1 24	26 47	3 47	13 57	14 30	22 30		n.a.
W26	4 3	2s 1	2 17	0n46	0 51	16 43	3 27	9 33	0 53	20 41	0 20	3 31	2 9	12 23	0 46	19 8	1 24	26 48	3 47	13 55	14 29	22 33		n.a.
T 27	3 40	7 48	1 14	1 45	1 2	17 5	3 30	9 15	0 53	20 42	0 20	3 34	2 8	12 22	0 46	19 9	1 24	26 48	3 48	13 54	14 28	22 35		n.a.
F 28	3 17	13 12	0 9	2 43	1 12	17 27	3 33	8 58	0 52	20 42	0 20	3 37	2 8	12 21	0 46	19 9	1 24	26 48	3 48	13 53	14 27	22 37		n.a.
S 29	2 54	18 2	0s56	3 40	1 22	17 48	3 36	8 41	0 52	20 43	0 20	3 40	2 8	12 20	0 46	19 9	1 24	26 48	3 48	13 54	14 26	22 39		n.a.
S 30	2 31	22 7	1 57	4 36	1 31	18 9	3 39	8 24	0 51	20 43	0 20	3 43	2 8	12 18	0 46	19 10	1 24	26 48	3 48	13 54	14 25	22 41		n.a.
M31	2s 7	25s18	2s54	5n30	1n40	18n30	3n41	8s 6	0s51	20s43	0n20	3n46	2s 8	12s17	0s46	19n10	1n24	26s49	3s48	13n55	14n24	22s44		n.a.

Julian Day Number = 1107131.5, Delta T = 10h56m26s
Ecliptic obliquity = 23°53'33, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'22, Lahiri = -27°09'21 Julian Calendar 1 March 1682 BCE == Greg. Calendar 15 Feb. 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

APRIL 1682 BCE (-1681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 36 58	25♓42'37	22♐13	11♈42	10♉38	12♓23	2♐27	14♈24	0♓21	10°R55	14°R59	6°R25	7♉48	1♐ 7	n.a.	T 1
W 2	11 40 55	26°40'15	4♑13	13°30	11°31	13° 6	2°28	14°32	0°24	10♎54	14♐59	6♉25	7°45	1°13	n.a.	W 2
T 3	11 44 51	27°37'53	16°25	15°15	12°23	13°50	2°28	14°40	0°27	10°53	14°59	6°23	7°42	1°20	n.a.	T 3
F 4	11 48 48	28°35'29	28°55	16°57	13°15	14°33	2°28	14°47	0°30	10°52	14°59	6°20	7°39	1°27	n.a.	F 4
S 5	11 52 44	29°33'04	11♒45	18°35	14° 6	15°17	2°R28	14°55	0°33	10°51	14°59	6°15	7°36	1°33	n.a.	S 5
S 6	11 56 41	0♈30'37	24°58	20°11	14°57	16° 0	2°28	15° 3	0°36	10°50	14°59	6°10	7°32	1°40	n.a.	S 6
M 7	12 0 37	1°28'10	8♓33	21°43	15°46	16°44	2°28	15°11	0°39	10°49	14°59	6° 4	7°29	1°47	n.a.	M 7
T 8	12 4 34	2°25'41	22°31	23°12	16°35	17°27	2°28	15°18	0°42	10°48	14°58	5°59	7°26	1°53	n.a.	T 8
W 9	12 8 31	3°23'11	6♈46	24°37	17°23	18°10	2°27	15°26	0°45	10°47	14°58	5°56	7°23	2° 0	n.a.	W 9
T 10	12 12 27	4°20'40	21°14	25°58	18°11	18°53	2°26	15°34	0°48	10°46	14°58	5°53	7°20	2° 7	n.a.	T 10
F 11	12 16 24	5°18'07	5♉49	27°17	18°57	19°36	2°25	15°42	0°51	10°46	14°58	5°D53	7°17	2°13	n.a.	F 11
S 12	12 20 20	6°15'33	20°25	28°31	19°43	20°19	2°24	15°50	0°54	10°45	14°57	5°53	7°13	2°20	n.a.	S 12
S 13	12 24 17	7°12'58	4♊56	29°42	20°27	21° 2	2°22	15°58	0°57	10°44	14°57	5°54	7°10	2°27	n.a.	S 13
M14	12 28 13	8°10'21	19°19	0♉49	21°11	21°45	2°21	16° 5	1° 0	10°43	14°57	5°56	7° 7	2°33	n.a.	M14
T 15	12 32 10	9° 7'43	3♋30	1°53	21°54	22°28	2°19	16°13	1° 3	10°43	14°56	5°R57	7° 4	2°40	n.a.	T 15
W16	12 36 6	10° 5'04	17°29	2°53	22°36	23°11	2°17	16°21	1° 6	10°42	14°56	5°57	7° 1	2°47	n.a.	W16
T 17	12 40 3	11° 2'23	1♌13	3°48	23°17	23°54	2°15	16°29	1° 9	10°41	14°56	5°55	6°58	2°53	n.a.	T 17
F 18	12 44 0	11°59'41	14°43	4°40	23°57	24°37	2°12	16°37	1°11	10°41	14°55	5°53	6°54	3° 0	n.a.	F 18
S 19	12 47 56	12°56'57	27°59	5°28	24°35	25°19	2°10	16°45	1°14	10°40	14°55	5°50	6°51	3° 7	n.a.	S 19
S 20	12 51 53	13°54'12	11♍ 1	6°12	25°13	26° 2	2° 7	16°53	1°17	10°40	14°54	5°47	6°48	3°13	n.a.	S 20
M21	12 55 49	14°51'26	23°49	6°51	25°49	26°44	2° 4	17° 1	1°20	10°39	14°54	5°44	6°45	3°20	n.a.	M21
T 22	12 59 46	15°48'40	6♎24	7°26	26°24	27°27	2° 1	17° 9	1°22	10°39	14°53	5°41	6°42	3°26	n.a.	T 22
W23	13 3 42	16°45'52	18°46	7°57	26°58	28° 9	1°58	17°17	1°25	10°38	14°53	5°39	6°38	3°33	n.a.	W23
T 24	13 7 39	17°43'03	0♏57	8°23	27°30	28°52	1°54	17°25	1°28	10°38	14°52	5°D39	6°35	3°40	n.a.	T 24
F 25	13 11 35	18°40'14	12°59	8°45	28° 1	29°34	1°51	17°33	1°30	10°37	14°51	5°39	6°32	3°46	n.a.	F 25
S 26	13 15 32	19°37'24	24°53	9° 3	28°31	0♈16	1°47	17°40	1°33	10°37	14°51	5°39	6°29	3°53	n.a.	S 26
S 27	13 19 29	20°34'33	6♐43	9°16	28°59	0°59	1°43	17°48	1°35	10°37	14°50	5°41	6°26	4° 0	n.a.	S 27
M28	13 23 25	21°31'43	18°32	9°24	29°25	1°41	1°39	17°56	1°38	10°36	14°49	5°42	6°23	4° 6	n.a.	M28
T 29	13 27 22	22°28'51	0♑24	9°R27	29°50	2°23	1°35	18° 4	1°40	10°36	14°49	5°43	6°19	4°13	n.a.	T 29
W30	13 31 18	23♈25'59	12♑24	9♉27	0♊13	3♈ 5	1♐30	18♈12	1♓43	10♎36	14♐48	5♉44	6♉16	4♐20	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1 s44	27 s23	3 s43	6n22	1n48	18n50	3n44	7 s49	0 s51	20 s44	0n20	3n49	2 s 8	12 s16	0 s46	19n10	1n24	26 s49	3 s49	13n55	14n23	22 s46		n.a.
W 2	1 21	28 13	4 23	7 12	1 56	19 9	3 46	7 32	0 50	20 44	0 19	3 53	2 8	12 15	0 46	19 10	1 24	26 49	3 49	13 55	14 21	22 48		n.a.
T 3	0 58	27 42	4 52	8 0	2 3	19 28	3 49	7 14	0 50	20 44	0 19	3 56	2 8	12 14	0 46	19 11	1 24	26 49	3 49	13 54	14 20	22 50		n.a.
F 4	0 34	25 47	5 8	8 46	2 10	19 47	3 51	6 57	0 49	20 44	0 19	3 59	2 7	12 13	0 46	19 11	1 24	26 49	3 49	13 53	14 19	22 52		n.a.
S 5	0 11	22 32	5 10	9 30	2 16	20 4	3 53	6 39	0 49	20 44	0 19	4 2	2 7	12 12	0 46	19 11	1 24	26 50	3 49	13 52	14 18	22 55		n.a.
S 6	0n12	18 3	4 55	10 12	2 21	20 22	3 55	6 22	0 48	20 44	0 19	4 5	2 7	12 11	0 46	19 11	1 24	26 50	3 50	13 50	14 17	22 57		n.a.
M 7	0 36	12 34	4 23	10 51	2 25	20 39	3 57	6 4	0 48	20 44	0 19	4 8	2 7	12 10	0 46	19 12	1 24	26 50	3 50	13 48	14 16	22 59		n.a.
T 8	0 59	6 18	3 35	11 29	2 29	20 55	3 59	5 47	0 48	20 44	0 19	4 11	2 7	12 9	0 46	19 12	1 24	26 50	3 50	13 46	14 15	23 1		n.a.
W 9	1 22	0n25	2 32	12 3	2 32	21 11	4 1	5 29	0 47	20 44	0 19	4 14	2 7	12 7	0 46	19 12	1 24	26 50	3 50	13 45	14 14	23 3		n.a.
T 10	1 45	7 13	1 19	12 36	2 34	21 26	4 2	5 11	0 47	20 44	0 19	4 18	2 7	12 6	0 46	19 12	1 24	26 50	3 50	13 44	14 13	23 6		n.a.
F 11	2 9	13 42	0 0	13 6	2 35	21 40	4 3	4 54	0 46	20 44	0 19	4 21	2 7	12 5	0 46	19 13	1 24	26 51	3 50	13 44	14 12	23 8		n.a.
S 12	2 32	19 27	1n19	13 34	2 36	21 54	4 4	4 36	0 46	20 44	0 19	4 24	2 7	12 4	0 46	19 13	1 24	26 51	3 51	13 44	14 11	23 10		n.a.
S 13	2 55	24 1	2 33	14 0	2 35	22 8	4 5	4 18	0 45	20 44	0 18	4 27	2 7	12 3	0 46	19 13	1 24	26 51	3 51	13 44	14 10	23 12		n.a.
M14	3 18	27 2	3 36	14 23	2 34	22 21	4 6	4 1	0 45	20 43	0 18	4 30	2 7	12 2	0 46	19 13	1 24	26 51	3 51	13 45	14 9	23 14		n.a.
T 15	3 41	28 16	4 25	14 43	2 32	22 33	4 7	3 43	0 44	20 43	0 18	4 33	2 7	12 1	0 46	19 13	1 24	26 51	3 51	13 45	14 8	23 16		n.a.
W16	4 4	27 39	4 58	15 2	2 29	22 44	4 7	3 25	0 44	20 43	0 18	4 36	2 6	12 0	0 46	19 13	1 24	26 51	3 51	13 45	14 7	23 18		n.a.
T 17	4 27	25 21	5 13	15 18	2 25	22 55	4 7	3 8	0 43	20 42	0 18	4 40	2 6	11 59	0 46	19 14	1 24	26 51	3 52	13 45	14 6	23 20		n.a.
F 18	4 50	21 39	5 10	15 31	2 21	23 6	4 7	2 50	0 43	20 42	0 18	4 43	2 6	11 58	0 46	19 14	1 24	26 51	3 52	13 44	14 5	23 23		n.a.
S 19	5 12	16 56	4 51	15 42	2 15	23 15	4 7	2 32	0 42	20 42	0 18	4 46	2 6	11 57	0 46	19 14	1 24	26 52	3 52	13 43	14 4	23 25		n.a.
S 20	5 35	11 31	4 17	15 51	2 9	23 24	4 6	2 15	0 42	20 41	0 18	4 49	2 6	11 56	0 46	19 14	1 24	26 52	3 52	13 42	14 2	23 27		n.a.
M21	5 58	5 42	3 30	15 58	2 1	23 33	4 6	1 57	0 41	20 41	0 18	4 52	2 6	11 55	0 46	19 14	1 24	26 52	3 52	13 41	14 1	23 29		n.a.
T 22	6 20	0 s14	2 34	16 2	1 53	23 40	4 5	1 39	0 41	20 40	0 18	4 55	2 6	11 54	0 46	19 14	1 24	26 52	3 52	13 40	14 0	23 31		n.a.
W23	6 43	6 5	1 32	16 3	1 44	23 47	4 3	1 22	0 40	20 40	0 17	4 58	2 6	11 53	0 46	19 14	1 24	26 52	3 53	13 39	13 59	23 33		n.a.
T 24	7 5	11 37	0 26	16 2	1 34	23 54	4 2	1 4	0 40	20 39	0 17	5 1	2 6	11 52	0 46	19 14	1 24	26 52	3 53	13 39	13 58	23 35		n.a.
F 25	7 27	16 40	0 s40	15 59	1 23	23 59	4 0	0 47	0 39	20 38	0 17	5 5	2 6	11 52	0 46	19 14	1 24	26 52	3 53	13 39	13 57	23 37		n.a.
S 26	7 49	21 2	1 44	15 54	1 11	24 4	3 58	0 29	0 39	20 38	0 17	5 8	2 6	11 51	0 46	19 15	1 23	26 52	3 53	13 39	13 56	23 39		n.a.
S 27	8 11	24 32	2 44	15 46	0 58	24 8	3 56	0 11	0 38	20 37	0 17	5 11	2 6	11 50	0 46	19 15	1 23	26 52	3 53	13 40	13 55	23 41		n.a.
M28	8 33	26 58	3 36	15 36	0 45	24 11	3 53	0n 6	0 38	20 36	0 17	5 14	2 6	11 49	0 46	19 15	1 23	26 53	3 54	13 40	13 54	23 43		n.a.
T 29	8 55	28 12	4 19	15 24	0 31	24 14	3 50	0 24	0 37	20 36	0 17	5 17	2 6	11 48	0 46	19 15	1 23	26 53	3 54	13 41	13 53	23 45		n.a.
W30	9n16	28 s 8	4 s51	15n10	0n16	24n16	3n47	0n41	0 s37	20 s35	0n17	5n20	2 s 6	11 s47	0 s46	19n15	1n23	26 s53	3 s54	13n41	13n52	23 s48		n.a.

Julian Day Number = 1107162.5, Delta T = 10h56m24s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'17, Lahiri = -27°09'17 Julian Calendar 1 Apr. 1682 BCE == Greg. Calendar 18 March 1682 BCE

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

MAY 1682 BCE (-1681) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 35 15	24♈23'07	24♉35	9°R21	0♊34	3♈47	1°R26	18♈20	1♓45	10°R36	14°R47	5°R44	6♉13	4♐26	n.a.	T 1
F 2	13 39 11	25°20'15	7♒ 3	9♉12	0°54	4°29	1♐21	18°28	1°47	10♎35	14♐46	5♉44	6°10	4°33	n.a.	F 2
S 3	13 43 8	26°17'22	19°52	8°58	1°12	5°11	1°16	18°36	1°50	10°35	14°45	5°43	6° 7	4°40	n.a.	S 3
S 4	13 47 5	27°14'29	3♓ 4	8°40	1°28	5°53	1°11	18°44	1°52	10°35	14°45	5°42	6° 4	4°46	n.a.	S 4
M 5	13 51 1	28°11'35	16°42	8°19	1°42	6°35	1° 6	18°52	1°54	10°35	14°44	5°41	6° 0	4°53	n.a.	M 5
T 6	13 54 58	29° 8'42	0♈45	7°55	1°54	7°16	1° 1	18°59	1°56	10°35	14°43	5°41	5°57	5° 0	n.a.	T 6
W 7	13 58 54	0♉ 5'48	15°11	7°27	2° 4	7°58	0°55	19° 7	1°58	10°D35	14°42	5°40	5°54	5° 6	n.a.	W 7
T 8	14 2 51	1° 2'54	29°55	6°57	2°11	8°40	0°49	19°15	2° 1	10°35	14°41	5°D40	5°51	5°13	n.a.	T 8
F 9	14 6 47	2° 0'00	14♉50	6°25	2°17	9°21	0°44	19°23	2° 3	10°35	14°40	5°40	5°48	5°20	n.a.	F 9
S 10	14 10 44	2°57'05	29°49	5°52	2°20	10° 3	0°38	19°31	2° 5	10°35	14°39	5°40	5°44	5°26	n.a.	S 10
S 11	14 14 40	3°54'10	14♊42	5°17	2°R22	10°44	0°32	19°39	2° 7	10°35	14°38	5°40	5°41	5°33	n.a.	S 11
M12	14 18 37	4°51'14	29°25	4°43	2°20	11°26	0°26	19°46	2° 9	10°35	14°37	5°40	5°38	5°40	n.a.	M12
T 13	14 22 34	5°48'18	13♋49	4° 8	2°17	12° 7	0°19	19°54	2°11	10°35	14°36	5°R40	5°35	5°46	n.a.	T 13
W14	14 26 30	6°45'22	27°54	3°34	2°11	12°48	0°13	20° 2	2°12	10°36	14°35	5°40	5°32	5°53	n.a.	W14
T 15	14 30 27	7°42'25	11♌37	3° 2	2° 2	13°30	0° 6	20° 9	2°14	10°36	14°34	5°D40	5°29	6° 0	n.a.	T 15
F 16	14 34 23	8°39'28	24°59	2°32	1°52	14°11	29♏59	20°17	2°16	10°36	14°33	5°40	5°25	6° 6	n.a.	F 16
S 17	14 38 20	9°36'30	8♍ 2	2° 4	1°39	14°52	29°53	20°25	2°18	10°36	14°32	5°41	5°22	6°13	n.a.	S 17
S 18	14 42 16	10°33'32	20°47	1°39	1°23	15°33	29°46	20°32	2°20	10°37	14°31	5°41	5°19	6°20	n.a.	S 18
M19	14 46 13	11°30'34	3♎18	1°18	1° 5	16°14	29°39	20°40	2°21	10°37	14°30	5°42	5°16	6°26	n.a.	M19
T 20	14 50 10	12°27'36	15°36	1° 1	0°45	16°55	29°32	20°48	2°23	10°38	14°29	5°42	5°13	6°33	n.a.	T 20
W21	14 54 6	13°24'37	27°43	0°47	0°23	17°36	29°25	20°55	2°25	10°38	14°28	5°43	5° 9	6°40	n.a.	W21
T 22	14 58 3	14°21'39	9♏43	0°38	29♉58	18°17	29°18	21° 3	2°26	10°38	14°26	5°R43	5° 6	6°46	n.a.	T 22
F 23	15 1 59	15°18'41	21°38	0°D34	29°32	18°58	29°11	21°10	2°28	10°39	14°25	5°42	5° 3	6°53	n.a.	F 23
S 24	15 5 56	16°15'43	3♐28	0°34	29° 3	19°38	29° 4	21°18	2°29	10°39	14°24	5°41	5° 0	7° 0	n.a.	S 24
S 25	15 9 52	17°12'45	15°17	0°40	28°33	20°19	28°56	21°25	2°30	10°40	14°23	5°40	4°57	7° 6	n.a.	S 25
M26	15 13 49	18° 9'48	27° 7	0°51	28° 1	21° 0	28°49	21°32	2°32	10°41	14°22	5°38	4°54	7°13	n.a.	M26
T 27	15 17 45	19° 6'52	9♑ 1	1° 6	27°28	21°40	28°41	21°40	2°33	10°41	14°20	5°36	4°50	7°20	n.a.	T 27
W28	15 21 42	20° 3'55	21° 3	1°27	26°54	22°21	28°34	21°47	2°34	10°42	14°19	5°35	4°47	7°26	n.a.	W28
T 29	15 25 39	21° 1'00	3♒15	1°53	26°18	23° 2	28°26	21°54	2°36	10°43	14°18	5°33	4°44	7°33	n.a.	T 29
F 30	15 29 35	21°58'05	15°41	2°24	25°42	23°42	28°19	22° 2	2°37	10°43	14°17	5°32	4°41	7°40	n.a.	F 30
S 31	15 33 32	22♉55'10	28♒26	3♉ 0	25♉ 5	24♈22	28♏11	22♈ 9	2♓38	10♎44	14♐15	5°D32	4♉38	7♐46	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	9n38	26s42	5s11	14n54	0n 1	24n17	3n43	0n59	0s36	20s34	0n17	5n23	2s 6	11s46	0s46	19n15	1n23	26s53	3s54	13n41	13n51	23s50			n.a.
F 2	9 59	23 57	5 17	14 36	0s15	24 17	3 39	1 16	0 36	20 33	0 16	5 26	2 6	11 46	0 46	19 15	1 23	26 53	3 54	13 41	13 50	23 52			n.a.
S 3	10 20	19 59	5 7	14 16	0 31	24 17	3 35	1 33	0 35	20 32	0 16	5 29	2 6	11 45	0 46	19 15	1 23	26 53	3 54	13 41	13 49	23 54			n.a.
S 4	10 41	14 56	4 42	13 55	0 47	24 16	3 30	1 51	0 35	20 31	0 16	5 32	2 6	11 44	0 46	19 15	1 23	26 53	3 55	13 40	13 48	23 56			n.a.
M 5	11 2	9 1	3 59	13 32	1 4	24 14	3 25	2 8	0 34	20 30	0 16	5 35	2 6	11 43	0 46	19 15	1 23	26 53	3 55	13 40	13 46	23 58			n.a.
T 6	11 23	2 28	3 2	13 8	1 21	24 11	3 19	2 25	0 34	20 29	0 16	5 38	2 6	11 42	0 47	19 15	1 23	26 53	3 55	13 40	13 45	24 0			n.a.
W 7	11 43	4n23	1 51	12 44	1 37	24 7	3 13	2 43	0 33	20 28	0 16	5 41	2 6	11 42	0 47	19 15	1 23	26 53	3 55	13 40	13 44	24 2			n.a.
T 8	12 3	11 9	0 32	12 18	1 54	24 3	3 7	3 0	0 33	20 27	0 16	5 44	2 6	11 41	0 47	19 15	1 23	26 53	3 55	13 40	13 43	24 4			n.a.
F 9	12 24	17 24	0n51	11 53	2 10	23 57	3 0	3 17	0 32	20 26	0 16	5 47	2 6	11 40	0 47	19 15	1 23	26 53	3 55	13 40	13 42	24 6			n.a.
S 10	12 44	22 37	2 10	11 27	2 25	23 51	2 53	3 34	0 32	20 25	0 15	5 50	2 6	11 39	0 47	19 15	1 23	26 53	3 56	13 40	13 41	24 8			n.a.
S 11	13 3	26 19	3 20	11 2	2 40	23 43	2 45	3 51	0 31	20 24	0 15	5 53	2 6	11 39	0 47	19 15	1 23	26 53	3 56	13 40	13 40	24 10			n.a.
M12	13 23	28 10	4 16	10 37	2 53	23 35	2 37	4 8	0 30	20 23	0 15	5 56	2 6	11 38	0 47	19 14	1 23	26 53	3 56	13 40	13 39	24 12			n.a.
T 13	13 42	28 3	4 55	10 13	3 6	23 26	2 29	4 25	0 30	20 22	0 15	5 59	2 6	11 37	0 47	19 14	1 23	26 53	3 56	13 40	13 38	24 14			n.a.
W14	14 2	26 6	5 15	9 50	3 18	23 16	2 20	4 42	0 29	20 20	0 15	6 2	2 6	11 37	0 47	19 14	1 23	26 54	3 56	13 40	13 37	24 16			n.a.
T 15	14 21	22 40	5 16	9 29	3 29	23 5	2 10	4 59	0 29	20 19	0 15	6 5	2 6	11 36	0 47	19 14	1 23	26 54	3 56	13 40	13 36	24 17			n.a.
F 16	14 39	18 7	5 0	9 10	3 38	22 53	2 0	5 16	0 28	20 18	0 15	6 8	2 6	11 35	0 47	19 14	1 23	26 54	3 57	13 40	13 35	24 19			n.a.
S 17	14 58	12 51	4 28	8 53	3 46	22 40	1 50	5 32	0 28	20 16	0 14	6 11	2 6	11 35	0 47	19 14	1 23	26 54	3 57	13 40	13 34	24 21			n.a.
S 18	15 16	7 9	3 44	8 38	3 53	22 27	1 39	5 49	0 27	20 15	0 14	6 14	2 6	11 34	0 47	19 14	1 23	26 54	3 57	13 40	13 32	24 23			n.a.
M19	15 34	1 16	2 50	8 26	3 58	22 12	1 28	6 6	0 27	20 14	0 14	6 17	2 6	11 34	0 47	19 14	1 23	26 54	3 57	13 40	13 31	24 25			n.a.
T 20	15 52	4s34	1 49	8 16	4 2	21 56	1 16	6 22	0 26	20 12	0 14	6 20	2 6	11 33	0 47	19 14	1 23	26 54	3 57	13 40	13 30	24 27			n.a.
W21	16 10	10 10	0 44	8 9	4 5	21 40	1 4	6 39	0 25	20 11	0 14	6 22	2 6	11 32	0 47	19 13	1 23	26 54	3 57	13 40	13 29	24 29			n.a.
T 22	16 27	15 21	0s22	8 4	4 6	21 22	0 52	6 55	0 25	20 10	0 14	6 25	2 6	11 32	0 47	19 13	1 23	26 54	3 57	13 40	13 28	24 31			n.a.
F 23	16 44	19 55	1 27	8 3	4 6	21 4	0 39	7 11	0 24	20 8	0 13	6 28	2 6	11 31	0 47	19 13	1 23	26 54	3 58	13 40	13 27	24 33			n.a.
S 24	17 1	23 40	2 28	8 4	4 5	20 45	0 26	7 28	0 24	20 7	0 13	6 31	2 6	11 31	0 47	19 13	1 22	26 54	3 58	13 40	13 26	24 35			n.a.
S 25	17 17	26 24	3 22	8 9	4 2	20 25	0 12	7 44	0 23	20 5	0 13	6 34	2 6	11 30	0 47	19 13	1 22	26 54	3 58	13 40	13 25	24 37			n.a.
M26	17 34	27 59	4 8	8 16	3 59	20 5	0s 1	8 0	0 22	20 4	0 13	6 36	2 6	11 30	0 47	19 12	1 22	26 54	3 58	13 39	13 24	24 39			n.a.
T 27	17 50	28 17	4 43	8 26	3 54	19 43	0 15	8 16	0 22	20 2	0 13	6 39	2 6	11 30	0 47	19 12	1 22	26 54	3 58	13 38	13 23	24 40			n.a.
W28	18 6	27 15	5 6	8 38	3 48	19 22	0 29	8 32	0 21	20 1	0 13	6 42	2 6	11 29	0 47	19 12	1 22	26 54	3 58	13 38	13 22	24 42			n.a.
T 29	18 21	24 54	5 16	8 53	3 42	19 0	0 43	8 48	0 21	19 59	0 13	6 45	2 6	11 29	0 47	19 12	1 22	26 54	3 58	13 37	13 21	24 44			n.a.
F 30	18 36	21 22	5 11	9 11	3 34	18 38	0 57	9 4	0 20	19 58	0 12	6 47	2 6	11 28	0 47	19 12	1 22	26 54	3 58	13 37	13 19	24 46			n.a.
S 31	18n51	16s47	4s51	9n32	3s26	18n15	1s11	9n19	0s19	19s56	0n12	6n50	2s 7	11s28	0s47	19n11	1n22	26s53	3s59	13n37	13n18	24s48			n.a.

Julian Day Number = 1107192.5, Delta T = 10h56m22s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'13, Lahiri = -27°09'13 Julian Calendar 1 May 1682 BCE == Greg. Calendar 17 Apr. 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

JUNE 1682 BCE (-1681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 37 28	23♉52'17	11♓33	3♉42	24°R28	25♈ 3	28°R 3	22♈16	2♓39	10♎45	14°R14	5♉33	4♉35	7♐53	n.a.	S 1
M 2	15 41 25	24°49'24	25° 5	4°28	23♉51	25°43	27♏56	22°23	2°40	10°46	14♐13	5°34	4°31	8° 0	n.a.	M 2
T 3	15 45 21	25°46'32	9♈ 3	5°19	23°14	26°23	27°48	22°30	2°41	10°46	14°11	5°36	4°28	8° 6	n.a.	T 3
W 4	15 49 18	26°43'40	23°27	6°16	22°37	27° 3	27°40	22°37	2°42	10°47	14°10	5°37	4°25	8°13	n.a.	W 4
T 5	15 53 15	27°40'50	8♉14	7°17	22° 1	27°44	27°33	22°44	2°43	10°48	14° 9	5°R37	4°22	8°20	n.a.	T 5
F 6	15 57 11	28°38'00	23°17	8°23	21°26	28°24	27°25	22°51	2°44	10°49	14° 7	5°36	4°19	8°26	n.a.	F 6
S 7	16 1 8	29°35'11	8♊29	9°34	20°51	29° 4	27°17	22°58	2°45	10°50	14° 6	5°34	4°15	8°33	n.a.	S 7
S 8	16 5 4	0♊32'23	23°39	10°49	20°18	29°44	27° 9	23° 5	2°46	10°51	14° 5	5°31	4°12	8°40	n.a.	S 8
M 9	16 9 1	1°29'35	8♋38	12° 9	19°46	0♉24	27° 2	23°12	2°46	10°52	14° 3	5°28	4° 9	8°46	n.a.	M 9
T 10	16 12 57	2°26'48	23°18	13°33	19°16	1° 4	26°54	23°19	2°47	10°53	14° 2	5°25	4° 6	8°53	n.a.	T 10
W11	16 16 54	3°24'02	7♌34	15° 2	18°48	1°43	26°46	23°26	2°48	10°54	14° 1	5°22	4° 3	9° 0	n.a.	W11
T 12	16 20 51	4°21'16	21°23	16°35	18°21	2°23	26°39	23°32	2°48	10°55	13°59	5°20	4° 0	9° 6	n.a.	T 12
F 13	16 24 47	5°18'30	4♍46	18°12	17°57	3° 3	26°31	23°39	2°49	10°56	13°58	5°D19	3°56	9°13	n.a.	F 13
S 14	16 28 44	6°15'45	17°44	19°52	17°34	3°43	26°24	23°46	2°49	10°58	13°56	5°20	3°53	9°20	n.a.	S 14
S 15	16 32 40	7°13'01	0♎21	21°37	17°14	4°22	26°16	23°52	2°50	10°59	13°55	5°21	3°50	9°27	n.a.	S 15
M16	16 36 37	8°10'17	12°41	23°24	16°56	5° 2	26° 9	23°59	2°50	11° 0	13°54	5°23	3°47	9°33	n.a.	M16
T 17	16 40 33	9° 7'34	24°48	25°15	16°41	5°41	26° 1	24° 5	2°50	11° 1	13°52	5°24	3°44	9°40	n.a.	T 17
W18	16 44 30	10° 4'52	6♏46	27° 9	16°27	6°21	25°54	24°11	2°51	11° 2	13°51	5°R25	3°41	9°47	n.a.	W18
T 19	16 48 26	11° 2'11	18°39	29° 5	16°16	7° 0	25°47	24°18	2°51	11° 4	13°49	5°24	3°37	9°53	n.a.	T 19
F 20	16 52 23	11°59'31	0♐28	1♊ 3	16° 8	7°39	25°40	24°24	2°51	11° 5	13°48	5°21	3°34	10° 0	n.a.	F 20
S 21	16 56 20	12°56'52	12°18	3° 4	16° 2	8°19	25°33	24°30	2°51	11° 6	13°47	5°17	3°31	10° 7	n.a.	S 21
S 22	17 0 16	13°54'14	24° 8	5° 5	15°58	8°58	25°26	24°36	2°51	11° 8	13°45	5°11	3°28	10°13	n.a.	S 22
M23	17 4 13	14°51'37	6♑ 3	7° 8	15°D56	9°37	25°19	24°42	2°R51	11° 9	13°44	5° 4	3°25	10°20	n.a.	M23
T 24	17 8 9	15°49'02	18° 2	9°12	15°57	10°16	25°12	24°48	2°51	11°11	13°42	4°57	3°21	10°27	n.a.	T 24
W25	17 12 6	16°46'28	0♒10	11°16	16° 0	10°55	25° 5	24°54	2°51	11°12	13°41	4°49	3°18	10°33	n.a.	W25
T 26	17 16 2	17°43'56	12°26	13°20	16° 6	11°34	24°59	25° 0	2°51	11°14	13°40	4°43	3°15	10°40	n.a.	T 26
F 27	17 19 59	18°41'25	24°55	15°25	16°14	12°13	24°52	25° 6	2°51	11°15	13°38	4°39	3°12	10°47	n.a.	F 27
S 28	17 23 55	19°38'55	7♓39	17°29	16°23	12°52	24°46	25°11	2°51	11°17	13°37	4°37	3° 9	10°53	n.a.	S 28
S 29	17 27 52	20°36'27	20°42	19°32	16°35	13°31	24°40	25°17	2°51	11°18	13°35	4°D36	3° 6	11° 0	n.a.	S 29
M30	17 31 49	21♊34'01	4♈ 7	21♊35	16♉49	14♉10	24♏33	25♈23	2♓50	11♎20	13♐34	4♉36	3♉ 2	11♐ 7	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n 6	11s18	4s16	9n54	3s17	17n53	1s25	9n35	0s19	19s54	0n12	6n53	2s 7	11s28	0s47	19n11	1n22	26s53	3s59	13n37	13n17	24s50		n.a.
M 2	19 20	5 7	3 25	10 19	3 7	17 30	1 39	9 50	0 18	19 53	0 12	6 55	2 7	11 27	0 47	19 11	1 22	26 53	3 59	13 38	13 16	24 52		n.a.
T 3	19 34	1n30	2 21	10 47	2 56	17 7	1 52	10 6	0 18	19 51	0 12	6 58	2 7	11 27	0 48	19 11	1 22	26 53	3 59	13 38	13 15	24 53		n.a.
W 4	19 48	8 15	1 7	11 16	2 46	16 45	2 6	10 21	0 17	19 50	0 12	7 0	2 7	11 26	0 48	19 10	1 22	26 53	3 59	13 38	13 14	24 55		n.a.
T 5	20 1	14 45	0n14	11 47	2 34	16 23	2 19	10 37	0 16	19 48	0 11	7 3	2 7	11 26	0 48	19 10	1 22	26 53	3 59	13 39	13 13	24 57		n.a.
F 6	20 14	20 29	1 36	12 19	2 22	16 2	2 31	10 52	0 16	19 46	0 11	7 6	2 7	11 26	0 48	19 10	1 22	26 53	3 59	13 38	13 12	24 59		n.a.
S 7	20 27	24 57	2 51	12 54	2 10	15 41	2 44	11 7	0 15	19 45	0 11	7 8	2 7	11 26	0 48	19 9	1 22	26 53	3 59	13 38	13 11	25 1		n.a.
S 8	20 39	27 38	3 54	13 30	1 57	15 20	2 56	11 22	0 14	19 43	0 11	7 11	2 7	11 25	0 48	19 9	1 22	26 53	4 0	13 37	13 10	25 3		n.a.
M 9	20 51	28 16	4 40	14 7	1 45	15 1	3 7	11 37	0 14	19 41	0 11	7 13	2 7	11 25	0 48	19 9	1 22	26 53	4 0	13 36	13 9	25 4		n.a.
T 10	21 3	26 52	5 7	14 45	1 32	14 42	3 18	11 51	0 13	19 40	0 11	7 16	2 7	11 25	0 48	19 8	1 22	26 53	4 0	13 34	13 7	25 6		n.a.
W11	21 14	23 46	5 13	15 24	1 19	14 24	3 29	12 6	0 13	19 38	0 10	7 18	2 7	11 25	0 48	19 8	1 22	26 53	4 0	13 33	13 6	25 8		n.a.
T 12	21 25	19 23	5 1	16 4	1 6	14 7	3 39	12 21	0 12	19 36	0 10	7 20	2 7	11 25	0 48	19 8	1 22	26 53	4 0	13 33	13 5	25 10		n.a.
F 13	21 35	14 10	4 33	16 44	0 53	13 51	3 48	12 35	0 11	19 35	0 10	7 23	2 8	11 24	0 48	19 7	1 22	26 53	4 0	13 33	13 4	25 12		n.a.
S 14	21 46	8 29	3 52	17 24	0 40	13 36	3 57	12 49	0 11	19 33	0 10	7 25	2 8	11 24	0 48	19 7	1 22	26 53	4 0	13 33	13 3	25 13		n.a.
S 15	21 56	2 36	3 0	18 4	0 27	13 23	4 5	13 4	0 10	19 32	0 10	7 27	2 8	11 24	0 48	19 7	1 22	26 53	4 0	13 33	13 2	25 15		n.a.
M16	22 5	3s15	2 1	18 44	0 15	13 10	4 13	13 18	0 9	19 30	0 10	7 30	2 8	11 24	0 48	19 6	1 22	26 53	4 0	13 34	13 1	25 17		n.a.
T 17	22 14	8 53	0 58	19 24	0 3	12 59	4 20	13 32	0 9	19 28	0 9	7 32	2 8	11 24	0 48	19 6	1 22	26 52	4 1	13 34	13 0	25 19		n.a.
W18	22 23	14 9	0s 7	20 2	0n 9	12 49	4 27	13 46	0 8	19 27	0 9	7 34	2 8	11 24	0 48	19 6	1 22	26 52	4 1	13 34	12 59	25 20		n.a.
T 19	22 31	18 51	1 12	20 40	0 20	12 40	4 33	13 59	0 7	19 25	0 9	7 37	2 8	11 24	0 48	19 5	1 22	26 52	4 1	13 34	12 58	25 22		n.a.
F 20	22 39	22 47	2 12	21 16	0 31	12 32	4 39	14 13	0 7	19 24	0 9	7 39	2 8	11 24	0 48	19 5	1 22	26 52	4 1	13 33	12 56	25 24		n.a.
S 21	22 47	25 47	3 7	21 50	0 41	12 25	4 44	14 27	0 6	19 22	0 9	7 41	2 8	11 24	0 48	19 4	1 22	26 52	4 1	13 32	12 55	25 25		n.a.
S 22	22 54	27 39	3 54	22 23	0 51	12 20	4 49	14 40	0 5	19 21	0 9	7 43	2 9	11 24	0 48	19 4	1 22	26 52	4 1	13 30	12 54	25 27		n.a.
M23	23 1	28 15	4 31	22 53	0 59	12 15	4 53	14 53	0 5	19 19	0 8	7 45	2 9	11 24	0 48	19 4	1 22	26 52	4 1	13 27	12 53	25 29		n.a.
T 24	23 7	27 32	4 56	23 22	1 8	12 12	4 56	15 7	0 4	19 18	0 8	7 47	2 9	11 24	0 48	19 3	1 22	26 52	4 1	13 25	12 52	25 31		n.a.
W25	23 13	25 30	5 8	23 47	1 15	12 10	5 0	15 20	0 3	19 16	0 8	7 49	2 9	11 24	0 48	19 3	1 21	26 52	4 1	13 22	12 51	25 32		n.a.
T 26	23 19	22 16	5 6	24 11	1 22	12 9	5 2	15 33	0 3	19 15	0 8	7 52	2 9	11 24	0 48	19 2	1 21	26 52	4 1	13 20	12 50	25 34		n.a.
F 27	23 24	18 0	4 50	24 32	1 27	12 9	5 5	15 46	0 2	19 13	0 8	7 54	2 9	11 24	0 48	19 2	1 21	26 52	4 1	13 19	12 49	25 36		n.a.
S 28	23 29	12 51	4 19	24 50	1 33	12 10	5 7	15 58	0 1	19 12	0 7	7 56	2 9	11 24	0 48	19 1	1 21	26 51	4 1	13 18	12 48	25 37		n.a.
S 29	23 33	7 2	3 35	25 5	1 37	12 12	5 8	16 11	0 1	19 11	0 7	7 57	2 9	11 24	0 49	19 1	1 21	26 51	4 1	13 18	12 47	25 39		n.a.
M30	23n37	0s44	2s37	25n18	1n41	12n14	5s 9	16n23	0s 0	19s 9	0n 7	7n59	2s10	11s24	0s49	19n 0	1n21	26s51	4s 2	13n18	12n45	25s41		n.a.

Julian Day Number = 1107223.5, Delta T = 10h56m20s
Ecliptic obliquity = 23°53'33, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'09, Lahiri = -27°09'09 Julian Calendar 1 June 1682 BCE == Greg. Calendar 18 May 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

JULY 1682 BCE (-1681) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 35 45	22♊31'36	17♈55	23♊37	17♉ 5	14♉48	24°R27	25♈28	2°R50	11♘21	13°R33	4♉37	2♉59	11♐13	n.a.	T 1
W 2	17 39 42	23°29'13	2♉ 8	25°38	17°23	15°27	24♏22	25°34	2♓50	11°23	13♐31	4°R38	2°56	11°20	n.a.	W 2
T 3	17 43 38	24°26'52	16°45	27°37	17°43	16° 6	24°16	25°39	2°49	11°25	13°30	4°38	2°53	11°27	n.a.	T 3
F 4	17 47 35	25°24'33	1♊41	29°36	18° 4	16°44	24°10	25°44	2°49	11°26	13°29	4°35	2°50	11°33	n.a.	F 4
S 5	17 51 31	26°22'15	16°51	1♋34	18°28	17°23	24° 5	25°50	2°48	11°28	13°27	4°30	2°47	11°40	n.a.	S 5
S 6	17 55 28	27°19'59	2♋ 4	3°30	18°53	18° 2	23°59	25°55	2°48	11°30	13°26	4°24	2°43	11°47	n.a.	S 6
M 7	17 59 25	28°17'44	17°10	5°25	19°19	18°40	23°54	26° 0	2°47	11°31	13°24	4°16	2°40	11°53	n.a.	M 7
T 8	18 3 21	29°15'31	1♌59	7°18	19°47	19°18	23°49	26° 5	2°46	11°33	13°23	4° 7	2°37	12° 0	n.a.	T 8
W 9	18 7 18	0♋13'20	16°24	9°10	20°17	19°57	23°44	26°10	2°46	11°35	13°22	4° 0	2°34	12° 7	n.a.	W 9
T 10	18 11 14	1°11'09	0♍21	11° 1	20°48	20°35	23°40	26°15	2°45	11°37	13°20	3°54	2°31	12°13	n.a.	T 10
F 11	18 15 11	2° 9'00	13°48	12°50	21°20	21°13	23°35	26°19	2°44	11°38	13°19	3°51	2°27	12°20	n.a.	F 11
S 12	18 19 7	3° 6'53	26°48	14°38	21°54	21°51	23°31	26°24	2°43	11°40	13°18	3°49	2°24	12°27	n.a.	S 12
S 13	18 23 4	4° 4'46	9♎24	16°25	22°29	22°29	23°26	26°29	2°42	11°42	13°17	3°D49	2°21	12°33	n.a.	S 13
M14	18 27 0	5° 2'42	21°41	18°10	23° 5	23° 7	23°22	26°33	2°41	11°44	13°15	3°50	2°18	12°40	n.a.	M14
T 15	18 30 57	6° 0'38	3♏44	19°54	23°43	23°45	23°18	26°37	2°40	11°46	13°14	3°R50	2°15	12°47	n.a.	T 15
W16	18 34 54	6°58'37	15°38	21°37	24°22	24°23	23°15	26°42	2°39	11°48	13°13	3°49	2°12	12°53	n.a.	W16
T 17	18 38 50	7°56'37	27°27	23°18	25° 2	25° 1	23°11	26°46	2°38	11°50	13°11	3°47	2° 8	13° 0	n.a.	T 17
F 18	18 42 47	8°54'38	9♐15	24°58	25°42	25°39	23° 8	26°50	2°37	11°52	13°10	3°41	2° 5	13° 7	n.a.	F 18
S 19	18 46 43	9°52'42	21° 6	26°37	26°24	26°17	23° 5	26°54	2°36	11°54	13° 9	3°33	2° 2	13°14	n.a.	S 19
S 20	18 50 40	10°50'47	3♑ 2	28°14	27° 7	26°54	23° 2	26°58	2°35	11°55	13° 8	3°23	1°59	13°20	n.a.	S 20
M21	18 54 36	11°48'54	15° 4	29°51	27°51	27°32	22°59	27° 2	2°33	11°57	13° 7	3°11	1°56	13°27	n.a.	M21
T 22	18 58 33	12°47'03	27°14	1♌26	28°36	28°10	22°56	27° 6	2°32	11°59	13° 5	2°59	1°53	13°34	n.a.	T 22
W23	19 2 29	13°45'14	9♒32	2°59	29°22	28°47	22°54	27°10	2°31	12° 1	13° 4	2°47	1°49	13°40	n.a.	W23
T 24	19 6 26	14°43'26	22° 0	4°32	0♊ 9	29°25	22°51	27°13	2°29	12° 3	13° 3	2°36	1°46	13°47	n.a.	T 24
F 25	19 10 23	15°41'41	4♓39	6° 3	0°56	0♊ 2	22°49	27°17	2°28	12° 6	13° 2	2°27	1°43	13°54	n.a.	F 25
S 26	19 14 19	16°39'58	17°30	7°33	1°45	0°39	22°47	27°20	2°26	12° 8	13° 1	2°22	1°40	14° 0	n.a.	S 26
S 27	19 18 16	17°38'18	0♈35	9° 2	2°34	1°17	22°46	27°23	2°25	12°10	13° 0	2°19	1°37	14° 7	n.a.	S 27
M28	19 22 12	18°36'39	13°57	10°29	3°24	1°54	22°44	27°27	2°23	12°12	12°59	2°D18	1°33	14°14	n.a.	M28
T 29	19 26 9	19°35'03	27°37	11°55	4°14	2°31	22°43	27°30	2°22	12°14	12°58	2°R18	1°30	14°20	n.a.	T 29
W30	19 30 5	20°33'29	11♉38	13°20	5° 6	3° 8	22°42	27°33	2°20	12°16	12°56	2°17	1°27	14°27	n.a.	W30
T 31	19 34 2	21♋31'58	25♉59	14♌44	5♊58	3♊45	22♏41	27♈36	2♓19	12♘18	12♐55	2♉16	1♉24	14♐34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n41	5n47	1s29	25n28	1n44	12n18	5s10	16n36	0n 1	19s 8	0n 7	8n 1	2s10	11s25	0s49	19n 0	1n21	26s51	4s 2	13n18	12n44	25s42		n.a.	T 1
W 2	23 44	12 14	0 14	25 35	1 46	12 23	5 11	16 48	0 1	19 7	0 7	8 3	2 10	11 25	0 49	19 0	1 21	26 51	4 2	13 19	12 43	25 44		n.a.	W 2
T 3	23 46	18 11	1n 5	25 40	1 48	12 28	5 11	17 0	0 2	19 5	0 7	8 5	2 10	11 25	0 49	18 59	1 21	26 51	4 2	13 18	12 42	25 46		n.a.	T 3
F 4	23 49	23 11	2 20	25 42	1 49	12 34	5 11	17 12	0 3	19 4	0 6	8 7	2 10	11 25	0 49	18 59	1 21	26 51	4 2	13 17	12 41	25 47		n.a.	F 4
S 5	23 50	26 39	3 27	25 42	1 49	12 41	5 10	17 24	0 3	19 3	0 6	8 9	2 10	11 25	0 49	18 58	1 21	26 51	4 2	13 16	12 40	25 49		n.a.	S 5
S 6	23 52	28 11	4 19	25 39	1 49	12 48	5 9	17 35	0 4	19 2	0 6	8 10	2 10	11 26	0 49	18 58	1 21	26 51	4 2	13 14	12 39	25 50		n.a.	S 6
M 7	23 53	27 36	4 52	25 35	1 48	12 57	5 9	17 47	0 5	19 0	0 6	8 12	2 11	11 26	0 49	18 57	1 21	26 50	4 2	13 11	12 38	25 52		n.a.	M 7
T 8	23 53	25 3	5 6	25 28	1 47	13 5	5 7	17 58	0 5	18 59	0 6	8 14	2 11	11 26	0 49	18 57	1 21	26 50	4 2	13 8	12 37	25 54		n.a.	T 8
W 9	23 54	20 57	4 59	25 18	1 45	13 15	5 6	18 10	0 6	18 58	0 6	8 15	2 11	11 27	0 49	18 56	1 21	26 50	4 2	13 5	12 35	25 55		n.a.	W 9
T 10	23 53	15 49	4 34	25 7	1 42	13 24	5 4	18 21	0 7	18 57	0 5	8 17	2 11	11 27	0 49	18 55	1 21	26 50	4 2	13 3	12 34	25 57		n.a.	T 10
F 11	23 52	10 5	3 55	24 55	1 39	13 35	5 2	18 32	0 8	18 56	0 5	8 19	2 11	11 27	0 49	18 55	1 21	26 50	4 2	13 2	12 33	25 59		n.a.	F 11
S 12	23 51	4 7	3 5	24 40	1 36	13 45	5 0	18 42	0 8	18 55	0 5	8 20	2 11	11 28	0 49	18 54	1 21	26 50	4 2	13 2	12 32	26 0		n.a.	S 12
S 13	23 50	1s51	2 7	24 24	1 33	13 57	4 58	18 53	0 9	18 54	0 5	8 22	2 12	11 28	0 49	18 54	1 21	26 50	4 2	13 2	12 31	26 2		n.a.	S 13
M14	23 48	7 37	1 5	24 6	1 28	14 8	4 55	19 4	0 10	18 54	0 5	8 23	2 12	11 28	0 49	18 53	1 21	26 50	4 2	13 2	12 30	26 3		n.a.	M14
T 15	23 45	12 59	0 1	23 46	1 24	14 20	4 53	19 14	0 10	18 53	0 4	8 25	2 12	11 29	0 49	18 53	1 21	26 49	4 2	13 2	12 29	26 5		n.a.	T 15
W16	23 42	17 50	1s 3	23 25	1 19	14 32	4 50	19 24	0 11	18 52	0 4	8 26	2 12	11 29	0 49	18 52	1 21	26 49	4 2	13 2	12 28	26 6		n.a.	W16
T 17	23 39	21 57	2 2	23 3	1 14	14 45	4 47	19 34	0 12	18 51	0 4	8 27	2 12	11 30	0 49	18 52	1 21	26 49	4 2	13 1	12 27	26 8		n.a.	T 17
F 18	23 35	25 10	2 57	22 40	1 9	14 57	4 44	19 44	0 13	18 51	0 4	8 29	2 12	11 30	0 49	18 51	1 21	26 49	4 2	12 59	12 25	26 9		n.a.	F 18
S 19	23 31	27 18	3 44	22 15	1 3	15 10	4 40	19 54	0 13	18 50	0 4	8 30	2 13	11 30	0 49	18 51	1 21	26 49	4 2	12 56	12 24	26 11		n.a.	S 19
S 20	23 26	28 12	4 21	21 50	0 57	15 24	4 37	20 4	0 14	18 49	0 4	8 31	2 13	11 31	0 49	18 50	1 21	26 49	4 2	12 53	12 23	26 12		n.a.	S 20
M21	23 21	27 46	4 47	21 23	0 50	15 37	4 33	20 13	0 15	18 49	0 3	8 33	2 13	11 31	0 49	18 49	1 21	26 49	4 3	12 49	12 22	26 14		n.a.	M21
T 22	23 16	26 0	5 0	20 56	0 44	15 51	4 30	20 23	0 16	18 48	0 3	8 34	2 13	11 32	0 49	18 49	1 21	26 48	4 3	12 44	12 21	26 16		n.a.	T 22
W23	23 10	23 0	4 59	20 28	0 37	16 4	4 26	20 32	0 16	18 48	0 3	8 35	2 13	11 32	0 49	18 48	1 21	26 48	4 3	12 40	12 20	26 17		n.a.	W23
T 24	23 4	18 55	4 45	19 59	0 30	16 18	4 22	20 41	0 17	18 47	0 3	8 36	2 14	11 33	0 49	18 48	1 21	26 48	4 3	12 36	12 19	26 19		n.a.	T 24
F 25	22 57	13 56	4 16	19 29	0 23	16 32	4 18	20 50	0 18	18 47	0 3	8 37	2 14	11 34	0 49	18 47	1 21	26 48	4 3	12 33	12 18	26 20		n.a.	F 25
S 26	22 50	8 18	3 34	18 59	0 16	16 46	4 14	20 59	0 19	18 47	0 3	8 38	2 14	11 34	0 49	18 46	1 21	26 48	4 3	12 31	12 17	26 21		n.a.	S 26
S 27	22 42	2 12	2 39	18 28	0 8	16 59	4 10	21 7	0 19	18 46	0 3	8 39	2 14	11 35	0 50	18 46	1 21	26 48	4 3	12 30	12 15	26 23		n.a.	S 27
M28	22 34	4n 8	1 36	17 57	0 0	17 13	4 5	21 16	0 20	18 46	0 2	8 40	2 14	11 35	0 50	18 45	1 21	26 48	4 3	12 30	12 14	26 24		n.a.	M28
T 29	22 26	10 26	0 25	17 25	0s 8	17 27	4 1	21 24	0 21	18 46	0 2	8 41	2 15	11 36	0 50	18 45	1 21	26 48	4 3	12 30	12 13	26 26		n.a.	T 29
W30	22 17	16 23	0n49	16 53	0 16	17 41	3 56	21 32	0 22	18 46	0 2	8 42	2 15	11 36	0 50	18 44	1 21	26 47	4 3	12 30	12 12	26 27		n.a.	W30
T 31	22n 8	21n35	2n 2	16n21	0s24	17n54	3s52	21n40	0n22	18s46	0n 2	8n43	2s15	11s37	0s50	18n43	1n21	26s47	4s 3	12n29	12n11	26s29		n.a.	T 31

Julian Day Number = 1107253.5, Delta T = 10h56m18s
Ecliptic obliquity = 23°53'33, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'05, Lahiri = -27°09'05 Julian Calendar 1 July 1682 BCE == Greg. Calendar 17 June 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

AUGUST 1682 BCE (-1681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 37 58	22♋30'29	10♊38	16♌ 6	6♊50	4♊22	22°R40	27♈38	2°R17	12♌20	12°R54	2°R12	1♉21	14♐40	n.a.	F 1
S 2	19 41 55	23°29'02	25°32	17°27	7°44	4°59	22♏39	27°41	2♓15	12°22	12♐53	2♉ 5	1°18	14°47	n.a.	S 2
S 3	19 45 51	24°27'38	10♋32	18°46	8°38	5°36	22°39	27°44	2°13	12°24	12°52	1°56	1°14	14°54	n.a.	S 3
M 4	19 49 48	25°26'15	25°29	20° 4	9°32	6°13	22°D39	27°46	2°12	12°27	12°51	1°45	1°11	15° 0	n.a.	M 4
T 5	19 53 45	26°24'55	10♌14	21°20	10°27	6°50	22°39	27°49	2°10	12°29	12°51	1°33	1° 8	15° 7	n.a.	T 5
W 6	19 57 41	27°23'37	24°39	22°35	11°23	7°26	22°39	27°51	2° 8	12°31	12°50	1°22	1° 5	15°14	n.a.	W 6
T 7	20 1 38	28°22'21	8♍38	23°48	12°19	8° 3	22°40	27°53	2° 6	12°33	12°49	1°14	1° 2	15°21	n.a.	T 7
F 8	20 5 34	29°21'06	22° 8	25° 0	13°16	8°39	22°40	27°55	2° 4	12°35	12°48	1° 7	0°59	15°27	n.a.	F 8
S 9	20 9 31	0♌19'54	5♎11	26° 9	14°13	9°16	22°41	27°57	2° 2	12°37	12°47	1° 4	0°55	15°34	n.a.	S 9
S 10	20 13 27	1°18'43	17°50	27°17	15°11	9°52	22°42	27°59	2° 0	12°40	12°46	1° 2	0°52	15°41	n.a.	S 10
M11	20 17 24	2°17'35	0♏ 8	28°22	16° 9	10°29	22°43	28° 1	1°58	12°42	12°45	1° 2	0°49	15°47	n.a.	M11
T 12	20 21 20	3°16'28	12°11	29°25	17° 8	11° 5	22°44	28° 2	1°56	12°44	12°45	1° 2	0°46	15°54	n.a.	T 12
W13	20 25 17	4°15'23	24° 5	0♍26	18° 7	11°41	22°46	28° 4	1°54	12°46	12°44	1° 1	0°43	16° 1	n.a.	W13
T 14	20 29 14	5°14'20	5♐54	1°24	19° 6	12°17	22°48	28° 5	1°52	12°48	12°43	0°57	0°39	16° 7	n.a.	T 14
F 15	20 33 10	6°13'19	17°44	2°20	20° 6	12°53	22°50	28° 7	1°50	12°51	12°42	0°52	0°36	16°14	n.a.	F 15
S 16	20 37 7	7°12'21	29°38	3°12	21° 6	13°29	22°52	28° 8	1°48	12°53	12°42	0°43	0°33	16°21	n.a.	S 16
S 17	20 41 3	8°11'24	11♑39	4° 1	22° 7	14° 5	22°54	28° 9	1°45	12°55	12°41	0°32	0°30	16°27	n.a.	S 17
M18	20 45 0	9°10'29	23°51	4°47	23° 8	14°41	22°57	28°10	1°43	12°57	12°40	0°20	0°27	16°34	n.a.	M18
T 19	20 48 56	10° 9'37	6♒13	5°29	24°10	15°17	23° 0	28°11	1°41	13° 0	12°40	0° 6	0°24	16°41	n.a.	T 19
W20	20 52 53	11° 8'46	18°47	6° 6	25°11	15°53	23° 2	28°12	1°39	13° 2	12°39	29♈53	0°20	16°47	n.a.	W20
T 21	20 56 49	12° 7'58	1♓32	6°40	26°14	16°28	23° 5	28°12	1°37	13° 4	12°39	29°41	0°17	16°54	n.a.	T 21
F 22	21 0 46	13° 7'12	14°29	7° 8	27°16	17° 4	23° 9	28°13	1°34	13° 6	12°38	29°32	0°14	17° 1	n.a.	F 22
S 23	21 4 42	14° 6'28	27°36	7°31	28°19	17°39	23°12	28°13	1°32	13° 9	12°38	29°25	0°11	17° 8	n.a.	S 23
S 24	21 8 39	15° 5'47	10♈54	7°48	29°22	18°15	23°16	28°14	1°30	13°11	12°37	29°22	0° 8	17°14	n.a.	S 24
M25	21 12 36	16° 5'08	24°24	7°59	0♋26	18°50	23°20	28°14	1°27	13°13	12°37	29°D20	0° 5	17°21	n.a.	M25
T 26	21 16 32	17° 4'32	8♉ 6	8°R 4	1°30	19°25	23°24	28°R14	1°25	13°15	12°36	29°21	0° 1	17°28	n.a.	T 26
W27	21 20 29	18° 3'59	22° 1	8° 1	2°34	20° 1	23°28	28°14	1°23	13°17	12°36	29°R21	29♈58	17°34	n.a.	W27
T 28	21 24 25	19° 3'27	6♊10	7°51	3°39	20°36	23°32	28°14	1°20	13°20	12°35	29°20	29°55	17°41	n.a.	T 28
F 29	21 28 22	20° 2'59	20°31	7°33	4°43	21°11	23°37	28°13	1°18	13°22	12°35	29°16	29°52	17°48	n.a.	F 29
S 30	21 32 18	21° 2'33	5♋ 1	7° 6	5°48	21°46	23°41	28°13	1°16	13°24	12°35	29°10	29°49	17°54	n.a.	S 30
S 31	21 36 15	22♌ 2'09	19♋37	6♍32	6♋54	22♊21	23♏46	28♈13	1♓13	13♌26	12♐34	29♈ 2	29♈45	18♐ 1	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n58	25n34	3n 8	15n48	0s32	18n 8	3s47	21n48	0n23	18s46	0n 2	8n44	2s15	11s38	0s50	18n43	1n21	26s47	4s 3	12n28	12n10	26s30		n.a.
S 2	21 48	27 51	4 2	15 16	0 40	18 21	3 43	21 55	0 24	18 46	0 2	8 45	2 15	11 38	0 50	18 42	1 21	26 47	4 3	12 25	12 9	26 32		n.a.
S 3	21 38	28 7	4 40	14 43	0 49	18 34	3 38	22 3	0 25	18 46	0 1	8 46	2 15	11 39	0 50	18 42	1 21	26 47	4 3	12 22	12 8	26 33		n.a.
M 4	21 27	26 20	4 59	14 10	0 57	18 47	3 33	22 10	0 25	18 46	0 1	8 46	2 16	11 40	0 50	18 41	1 21	26 47	4 3	12 18	12 6	26 35		n.a.
T 5	21 16	22 46	4 57	13 37	1 6	19 0	3 28	22 17	0 26	18 46	0 1	8 47	2 16	11 40	0 50	18 40	1 21	26 47	4 3	12 14	12 5	26 36		n.a.
W 6	21 5	17 53	4 36	13 5	1 14	19 13	3 23	22 24	0 27	18 46	0 1	8 48	2 16	11 41	0 50	18 40	1 21	26 47	4 3	12 10	12 4	26 37		n.a.
T 7	20 53	12 10	3 59	12 32	1 23	19 25	3 18	22 31	0 28	18 46	0 1	8 48	2 16	11 42	0 50	18 39	1 21	26 46	4 3	12 7	12 3	26 39		n.a.
F 8	20 40	6 5	3 10	12 0	1 31	19 37	3 13	22 38	0 29	18 47	0 1	8 49	2 16	11 43	0 50	18 38	1 21	26 46	4 3	12 5	12 2	26 40		n.a.
S 9	20 28	0s 5	2 12	11 29	1 40	19 49	3 8	22 45	0 29	18 47	0 0	8 49	2 17	11 43	0 50	18 38	1 21	26 46	4 3	12 4	12 1	26 42		n.a.
S 10	20 15	6 4	1 9	10 57	1 48	20 1	3 3	22 51	0 30	18 47	0 0	8 50	2 17	11 44	0 50	18 37	1 21	26 46	4 3	12 3	12 0	26 43		n.a.
M11	20 1	11 39	0 5	10 27	1 57	20 12	2 58	22 57	0 31	18 48	0 0	8 50	2 17	11 45	0 50	18 36	1 21	26 46	4 3	12 3	11 59	26 44		n.a.
T 12	19 48	16 43	0s59	9 56	2 5	20 23	2 53	23 3	0 32	18 48	0 0	8 51	2 17	11 46	0 50	18 36	1 21	26 46	4 3	12 3	11 57	26 46		n.a.
W13	19 33	21 4	1 59	9 27	2 14	20 34	2 48	23 9	0 33	18 49	0s 0	8 51	2 18	11 46	0 50	18 35	1 21	26 46	4 3	12 3	11 56	26 47		n.a.
T 14	19 19	24 32	2 53	8 59	2 22	20 44	2 43	23 15	0 33	18 49	0 0	8 51	2 18	11 47	0 50	18 35	1 21	26 46	4 3	12 2	11 55	26 48		n.a.
F 15	19 4	26 58	3 40	8 31	2 30	20 54	2 38	23 20	0 34	18 50	0 0	8 52	2 18	11 48	0 50	18 34	1 21	26 46	4 3	12 0	11 54	26 50		n.a.
S 16	18 49	28 11	4 18	8 5	2 37	21 3	2 33	23 26	0 35	18 51	0 1	8 52	2 18	11 49	0 50	18 33	1 21	26 45	4 3	11 57	11 53	26 51		n.a.
S 17	18 34	28 5	4 44	7 40	2 45	21 12	2 27	23 31	0 36	18 52	0 1	8 52	2 18	11 50	0 50	18 33	1 21	26 45	4 3	11 53	11 52	26 52		n.a.
M18	18 18	26 38	4 58	7 16	2 52	21 21	2 22	23 36	0 37	18 52	0 1	8 52	2 19	11 50	0 50	18 32	1 21	26 45	4 3	11 48	11 51	26 54		n.a.
T 19	18 2	23 53	4 58	6 54	2 59	21 29	2 17	23 41	0 38	18 53	0 1	8 52	2 19	11 51	0 50	18 31	1 21	26 45	4 3	11 43	11 49	26 55		n.a.
W20	17 45	19 58	4 44	6 34	3 6	21 37	2 12	23 46	0 38	18 54	0 1	8 52	2 19	11 52	0 50	18 31	1 21	26 45	4 3	11 38	11 48	26 56		n.a.
T 21	17 29	15 6	4 16	6 16	3 12	21 44	2 7	23 50	0 39	18 55	0 1	8 52	2 19	11 53	0 50	18 30	1 21	26 45	4 3	11 34	11 47	26 58		n.a.
F 22	17 12	9 30	3 34	6 0	3 18	21 51	2 1	23 55	0 40	18 56	0 1	8 52	2 19	11 54	0 50	18 29	1 21	26 45	4 3	11 31	11 46	26 59		n.a.
S 23	16 54	3 24	2 40	5 47	3 23	21 57	1 56	23 59	0 41	18 57	0 2	8 52	2 20	11 55	0 50	18 29	1 21	26 45	4 3	11 29	11 45	27 0		n.a.
S 24	16 37	2n56	1 36	5 37	3 27	22 3	1 51	24 3	0 42	18 58	0 2	8 52	2 20	11 55	0 50	18 28	1 21	26 45	4 3	11 27	11 44	27 1		n.a.
M25	16 19	9 14	0 26	5 29	3 30	22 8	1 46	24 7	0 43	18 59	0 2	8 52	2 20	11 56	0 50	18 28	1 21	26 45	4 2	11 27	11 43	27 3		n.a.
T 26	16 1	15 12	0n46	5 25	3 33	22 12	1 41	24 11	0 44	19 0	0 2	8 52	2 20	11 57	0 50	18 27	1 21	26 44	4 2	11 27	11 42	27 4		n.a.
W27	15 42	20 30	1 57	5 25	3 34	22 17	1 35	24 15	0 44	19 1	0 2	8 52	2 20	11 58	0 50	18 26	1 21	26 44	4 2	11 27	11 40	27 5		n.a.
T 28	15 23	24 44	3 2	5 29	3 34	22 20	1 30	24 18	0 45	19 3	0 2	8 52	2 21	11 59	0 50	18 26	1 21	26 44	4 2	11 26	11 39	27 6		n.a.
F 29	15 4	27 29	3 57	5 37	3 33	22 23	1 25	24 22	0 46	19 4	0 2	8 51	2 21	12 0	0 50	18 25	1 21	26 44	4 2	11 25	11 38	27 8		n.a.
S 30	14 45	28 24	4 36	5 49	3 31	22 26	1 20	24 25	0 47	19 5	0 2	8 51	2 21	12 1	0 50	18 24	1 21	26 44	4 2	11 23	11 37	27 9		n.a.
S 31	14n26	27n21	4n59	6n 6	3s26	22n28	1s15	24n28	0n48	19s 7	0s 3	8n51	2s21	12s 1	0s50	18n24	1n21	26s44	4s 2	11n20	11n36	27s10		n.a.

Julian Day Number = 1107284.5, Delta T = 10h56m16s
Ecliptic obliquity = 23°53'33, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°16'01, Lahiri = -27°09'00 Julian Calendar 1 Aug. 1682 BCE == Greg. Calendar 18 July 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

SEPTEMBER 1682 BCE (-1681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 40 11	23♌ 1'48	4♌11	5°R49	7♋59	22♊55	23♏51	28°R12	1°R11	13♌29	12°R34	28°R52	29♈42	18♐ 8	n.a.	M 1
T 2	21 44 8	24° 1'29	18°37	4♍58	9° 5	23°30	23°57	28♈11	1♓ 8	13°31	12♐34	28♈41	29°39	18°14	n.a.	T 2
W 3	21 48 4	25° 1'12	2♍47	4° 0	10°11	24° 5	24° 2	28°10	1° 6	13°33	12°34	28°31	29°36	18°21	n.a.	W 3
T 4	21 52 1	26° 0'57	16°37	2°56	11°18	24°39	24° 7	28°10	1° 3	13°35	12°33	28°23	29°33	18°28	n.a.	T 4
F 5	21 55 58	27° 0'45	0♎ 4	1°47	12°24	25°14	24°13	28° 8	1° 1	13°37	12°33	28°17	29°30	18°34	n.a.	F 5
S 6	21 59 54	28° 0'34	13° 6	0°34	13°31	25°48	24°19	28° 7	0°59	13°40	12°33	28°14	29°26	18°41	n.a.	S 6
S 7	22 3 51	29° 0'25	25°45	29♌20	14°38	26°22	24°25	28° 6	0°56	13°42	12°33	28°D13	29°23	18°48	n.a.	S 7
M 8	22 7 47	0♍ 0'18	8♏ 5	28° 6	15°46	26°57	24°31	28° 5	0°54	13°44	12°33	28°13	29°20	18°55	n.a.	M 8
T 9	22 11 44	1° 0'13	20°10	26°55	16°53	27°31	24°38	28° 3	0°51	13°46	12°33	28°14	29°17	19° 1	n.a.	T 9
W10	22 15 40	2° 0'10	2♐ 6	25°49	18° 1	28° 5	24°44	28° 2	0°49	13°48	12°D33	28°R14	29°14	19° 8	n.a.	W10
T 11	22 19 37	3° 0'09	13°56	24°50	19° 9	28°38	24°51	28° 0	0°46	13°50	12°33	28°13	29°10	19°15	n.a.	T 11
F 12	22 23 33	4° 0'09	25°47	24° 0	20°17	29°12	24°58	27°58	0°44	13°53	12°33	28°11	29° 7	19°21	n.a.	F 12
S 13	22 27 30	5° 0'11	7♑44	23°19	21°25	29°46	25° 5	27°56	0°41	13°55	12°33	28° 6	29° 4	19°28	n.a.	S 13
S 14	22 31 26	6° 0'16	19°50	22°49	22°34	0♋20	25°12	27°54	0°39	13°57	12°33	27°59	29° 1	19°35	n.a.	S 14
M15	22 35 23	7° 0'22	2♒ 8	22°31	23°42	0°53	25°19	27°52	0°37	13°59	12°33	27°50	28°58	19°41	n.a.	M15
T 16	22 39 20	8° 0'30	14°42	22°D24	24°51	1°26	25°27	27°50	0°34	14° 1	12°33	27°41	28°55	19°48	n.a.	T 16
W17	22 43 16	9° 0'39	27°31	22°28	26° 0	2° 0	25°34	27°47	0°32	14° 3	12°33	27°32	28°51	19°55	n.a.	W17
T 18	22 47 13	10° 0'51	10♓35	22°44	27° 9	2°33	25°42	27°45	0°29	14° 5	12°34	27°24	28°48	20° 1	n.a.	T 18
F 19	22 51 9	11° 1'04	23°54	23° 9	28°19	3° 6	25°50	27°42	0°27	14° 7	12°34	27°17	28°45	20° 8	n.a.	F 19
S 20	22 55 6	12° 1'20	7♈25	23°44	29°28	3°39	25°58	27°40	0°24	14° 9	12°34	27°13	28°42	20°15	n.a.	S 20
S 21	22 59 2	13° 1'38	21° 7	24°28	0♌38	4°12	26° 6	27°37	0°22	14°11	12°34	27°D12	28°39	20°22	n.a.	S 21
M22	23 2 59	14° 1'57	4♉57	25°19	1°48	4°44	26°15	27°34	0°20	14°13	12°35	27°12	28°36	20°28	n.a.	M22
T 23	23 6 55	15° 2'19	18°54	26°17	2°58	5°17	26°23	27°31	0°17	14°15	12°35	27°13	28°32	20°35	n.a.	T 23
W24	23 10 52	16° 2'44	2♊57	27°21	4° 9	5°50	26°32	27°28	0°15	14°17	12°36	27°14	28°29	20°42	n.a.	W24
T 25	23 14 49	17° 3'10	17° 4	28°31	5°19	6°22	26°40	27°25	0°13	14°19	12°36	27°R15	28°26	20°48	n.a.	T 25
F 26	23 18 45	18° 3'39	1♋14	29°44	6°29	6°54	26°49	27°22	0°10	14°21	12°36	27°14	28°23	20°55	n.a.	F 26
S 27	23 22 42	19° 4'09	15°25	1♍ 2	7°40	7°26	26°58	27°19	0° 8	14°23	12°37	27°11	28°20	21° 2	n.a.	S 27
S 28	23 26 38	20° 4'42	29°35	2°23	8°51	7°58	27° 7	27°15	0° 6	14°25	12°37	27° 7	28°16	21° 8	n.a.	S 28
M29	23 30 35	21° 5'17	13♌41	3°47	10° 2	8°30	27°17	27°12	0° 4	14°27	12°38	27° 2	28°13	21°15	n.a.	M29
T 30	23 34 31	22♍ 5'53	27♌38	5♍13	11♌13	9♋ 2	27♏26	27♈ 8	0♓ 1	14♌29	12♐38	26♈56	28♈10	21♐22	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14n 6	24n27	5n 1	6n27	3s20	22n29	1s10	24n31	0n49	19s 8	0s 3	8n50	2s21	12s 2	0s50	18n23	1n21	26s44	4s 2	11n17	11n35	27s11		n.a.
T 2	13 46	20 2	4 45	6 54	3 12	22 30	1 5	24 34	0 50	19 10	0 3	8 50	2 22	12 3	0 50	18 22	1 21	26 44	4 2	11 13	11 34	27 13		n.a.
W 3	13 26	14 33	4 11	7 24	3 2	22 30	1 0	24 36	0 51	19 11	0 3	8 49	2 22	12 4	0 50	18 22	1 21	26 44	4 2	11 9	11 32	27 14		n.a.
T 4	13 5	8 29	3 23	7 59	2 50	22 29	0 55	24 39	0 52	19 13	0 3	8 49	2 22	12 5	0 50	18 21	1 21	26 44	4 2	11 6	11 31	27 15		n.a.
F 5	12 44	2 10	2 24	8 37	2 36	22 28	0 50	24 41	0 53	19 14	0 3	8 48	2 22	12 6	0 50	18 21	1 21	26 44	4 2	11 4	11 30	27 16		n.a.
S 6	12 23	4s 3	1 20	9 18	2 20	22 26	0 46	24 43	0 53	19 16	0 3	8 48	2 22	12 7	0 50	18 20	1 21	26 44	4 2	11 3	11 29	27 17		n.a.
S 7	12 2	9 56	0 13	10 1	2 3	22 24	0 41	24 45	0 54	19 17	0 3	8 47	2 22	12 8	0 50	18 19	1 21	26 44	4 2	11 2	11 28	27 18		n.a.
M 8	11 41	15 18	0s53	10 44	1 44	22 21	0 36	24 47	0 55	19 19	0 4	8 46	2 23	12 9	0 50	18 19	1 21	26 44	4 2	11 2	11 27	27 20		n.a.
T 9	11 19	19 58	1 55	11 28	1 24	22 17	0 31	24 48	0 56	19 21	0 4	8 46	2 23	12 9	0 50	18 18	1 21	26 44	4 2	11 3	11 26	27 21		n.a.
W10	10 58	23 46	2 51	12 9	1 4	22 13	0 27	24 50	0 57	19 22	0 4	8 45	2 23	12 10	0 50	18 17	1 21	26 44	4 2	11 3	11 24	27 22		n.a.
T 11	10 36	26 33	3 40	12 49	0 43	22 8	0 22	24 51	0 58	19 24	0 4	8 44	2 23	12 11	0 50	18 17	1 21	26 44	4 2	11 3	11 23	27 23		n.a.
F 12	10 14	28 8	4 19	13 25	0 23	22 2	0 18	24 53	0 59	19 26	0 4	8 43	2 23	12 12	0 50	18 16	1 21	26 44	4 2	11 2	11 22	27 24		n.a.
S 13	9 51	28 27	4 47	13 57	0 4	21 56	0 13	24 54	1 0	19 28	0 4	8 43	2 24	12 13	0 50	18 16	1 21	26 44	4 2	11 0	11 21	27 25		n.a.
S 14	9 29	27 24	5 3	14 24	0n15	21 49	0 9	24 55	1 1	19 30	0 4	8 42	2 24	12 14	0 50	18 15	1 21	26 43	4 2	10 57	11 20	27 26		n.a.
M15	9 6	25 0	5 5	14 47	0 32	21 42	0 4	24 55	1 2	19 32	0 4	8 41	2 24	12 15	0 50	18 14	1 21	26 43	4 2	10 54	11 19	27 27		n.a.
T 16	8 43	21 23	4 53	15 4	0 48	21 34	0n 0	24 56	1 3	19 34	0 5	8 40	2 24	12 16	0 50	18 14	1 21	26 43	4 2	10 51	11 18	27 29		n.a.
W17	8 20	16 43	4 26	15 16	1 3	21 25	0 4	24 57	1 4	19 36	0 5	8 39	2 24	12 16	0 50	18 13	1 21	26 43	4 2	10 47	11 16	27 30		n.a.
T 18	7 57	11 11	3 44	15 23	1 16	21 16	0 8	24 57	1 5	19 38	0 5	8 38	2 24	12 17	0 50	18 13	1 21	26 43	4 2	10 44	11 15	27 31		n.a.
F 19	7 34	5 3	2 50	15 26	1 27	21 6	0 13	24 57	1 6	19 40	0 5	8 37	2 24	12 18	0 50	18 12	1 21	26 43	4 2	10 42	11 14	27 32		n.a.
S 20	7 11	1n24	1 45	15 23	1 37	20 55	0 17	24 58	1 7	19 42	0 5	8 36	2 25	12 19	0 50	18 11	1 22	26 43	4 2	10 41	11 13	27 33		n.a.
S 21	6 47	7 53	0 33	15 16	1 46	20 44	0 21	24 58	1 8	19 44	0 5	8 34	2 25	12 20	0 50	18 11	1 22	26 43	4 2	10 40	11 12	27 34		n.a.
M22	6 24	14 4	0n42	15 5	1 52	20 32	0 24	24 57	1 9	19 46	0 5	8 33	2 25	12 21	0 50	18 10	1 22	26 43	4 2	10 40	11 11	27 35		n.a.
T 23	6 0	19 37	1 55	14 50	1 58	20 19	0 28	24 57	1 10	19 48	0 5	8 32	2 25	12 22	0 50	18 10	1 22	26 43	4 2	10 40	11 9	27 36		n.a.
W24	5 36	24 6	3 2	14 32	2 2	20 6	0 32	24 57	1 11	19 50	0 6	8 31	2 25	12 22	0 50	18 9	1 22	26 43	4 2	10 41	11 8	27 37		n.a.
T 25	5 12	27 11	3 58	14 10	2 6	19 53	0 36	24 56	1 12	19 52	0 6	8 30	2 25	12 23	0 50	18 9	1 22	26 44	4 1	10 41	11 7	27 38		n.a.
F 26	4 48	28 32	4 39	13 46	2 8	19 38	0 39	24 56	1 13	19 55	0 6	8 28	2 25	12 24	0 50	18 8	1 22	26 44	4 1	10 41	11 6	27 39		n.a.
S 27	4 24	28 1	5 4	13 19	2 9	19 23	0 43	24 55	1 14	19 57	0 6	8 27	2 26	12 25	0 50	18 8	1 22	26 44	4 1	10 40	11 5	27 40		n.a.
S 28	4 0	25 40	5 10	12 49	2 9	19 8	0 46	24 54	1 16	19 59	0 6	8 26	2 26	12 26	0 50	18 7	1 22	26 44	4 1	10 38	11 4	27 41		n.a.
M29	3 36	21 46	4 58	12 18	2 9	18 52	0 50	24 53	1 17	20 1	0 6	8 24	2 26	12 26	0 50	18 7	1 22	26 44	4 1	10 36	11 3	27 42		n.a.
T 30	3n12	16n41	4n27	11n45	2n 7	18n35	0n53	24n52	1n18	20s 4	0s 6	8n23	2s26	12s27	0s50	18n 6	1n22	26s44	4s 1	10n34	11n 1	27s43		n.a.

Julian Day Number = 1107315.5, Delta T = 10h56m15s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'57, Lahiri = -27°08'56 Julian Calendar 1 Sept. 1682 BCE == Greg. Calendar 18 Aug. 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

OCTOBER 1682 BCE (-1681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 38 28	23♍ 6'31	11♍23	6♍41	12♌24	9♋34	27♏35	27°R 5	29°R59	14♌31	12♐39	26°R50	28♈ 7	21♐29	n.a.	W 1
T 2	23 42 24	24° 7'11	24°53	8°11	13°36	10° 5	27°45	27♈ 1	29♒57	14°32	12°40	26♈46	28° 4	21°35	n.a.	T 2
F 3	23 46 21	25° 7'53	8♎ 5	9°42	14°47	10°37	27°55	26°57	29°55	14°34	12°40	26°43	28° 1	21°42	n.a.	F 3
S 4	23 50 17	26° 8'36	20°58	11°13	15°59	11° 8	28° 5	26°53	29°53	14°36	12°41	26°D41	27°57	21°49	n.a.	S 4
S 5	23 54 14	27° 9'21	3♏33	12°46	17°11	11°39	28°15	26°49	29°51	14°38	12°42	26°41	27°54	21°55	n.a.	S 5
M 6	23 58 11	28°10'07	15°51	14°20	18°22	12°10	28°25	26°45	29°49	14°40	12°42	26°42	27°51	22° 2	n.a.	M 6
T 7	0 2 7	29°10'55	27°57	15°54	19°34	12°41	28°35	26°41	29°46	14°41	12°43	26°44	27°48	22° 9	n.a.	T 7
W 8	0 6 4	0♎11'44	9♐53	17°28	20°46	13°11	28°45	26°37	29°44	14°43	12°44	26°46	27°45	22°15	n.a.	W 8
T 9	0 10 0	1°12'34	21°44	19° 3	21°59	13°42	28°56	26°33	29°42	14°45	12°45	26°47	27°42	22°22	n.a.	T 9
F 10	0 13 57	2°13'25	3♑35	20°38	23°11	14°12	29° 6	26°29	29°40	14°46	12°45	26°R48	27°38	22°29	n.a.	F 10
S 11	0 17 53	3°14'18	15°32	22°12	24°23	14°42	29°17	26°24	29°39	14°48	12°46	26°47	27°35	22°35	n.a.	S 11
S 12	0 21 50	4°15'12	27°38	23°48	25°36	15°12	29°28	26°20	29°37	14°50	12°47	26°45	27°32	22°42	n.a.	S 12
M13	0 25 46	5°16'06	9♒58	25°23	26°48	15°42	29°38	26°15	29°35	14°51	12°48	26°43	27°29	22°49	n.a.	M13
T 14	0 29 43	6°17'02	22°36	26°58	28° 1	16°12	29°49	26°11	29°33	14°53	12°49	26°39	27°26	22°56	n.a.	T 14
W15	0 33 40	7°17'59	5♓34	28°33	29°13	16°41	0♐ 0	26° 6	29°31	14°54	12°50	26°36	27°22	23° 2	n.a.	W15
T 16	0 37 36	8°18'57	18°52	0♎ 8	0♍26	17°10	0°12	26° 2	29°29	14°56	12°51	26°33	27°19	23° 9	n.a.	T 16
F 17	0 41 33	9°19'56	2♈30	1°43	1°39	17°39	0°23	25°57	29°28	14°57	12°52	26°31	27°16	23°16	n.a.	F 17
S 18	0 45 29	10°20'56	16°26	3°17	2°52	18° 8	0°34	25°52	29°26	14°59	12°53	26°30	27°13	23°22	n.a.	S 18
S 19	0 49 26	11°21'57	0♉35	4°52	4° 5	18°37	0°46	25°47	29°24	15° 0	12°54	26°D30	27°10	23°29	n.a.	S 19
M20	0 53 22	12°23'00	14°54	6°27	5°18	19° 6	0°57	25°43	29°23	15° 1	12°55	26°31	27° 7	23°36	n.a.	M20
T 21	0 57 19	13°24'04	29°18	8° 1	6°31	19°34	1° 9	25°38	29°21	15° 3	12°56	26°32	27° 3	23°42	n.a.	T 21
W22	1 1 15	14°25'09	13♊42	9°36	7°45	20° 2	1°20	25°33	29°20	15° 4	12°57	26°33	27° 0	23°49	n.a.	W22
T 23	1 5 12	15°26'16	28° 2	11°11	8°58	20°30	1°32	25°28	29°18	15° 6	12°59	26°34	26°57	23°56	n.a.	T 23
F 24	1 9 9	16°27'24	12♋15	12°45	10°12	20°58	1°44	25°23	29°17	15° 7	13° 0	26°R34	26°54	24° 3	n.a.	F 24
S 25	1 13 5	17°28'33	26°19	14°19	11°25	21°26	1°56	25°18	29°15	15° 8	13° 1	26°34	26°51	24° 9	n.a.	S 25
S 26	1 17 2	18°29'44	10♌13	15°54	12°39	21°53	2° 8	25°13	29°14	15° 9	13° 2	26°33	26°47	24°16	n.a.	S 26
M27	1 20 58	19°30'55	23°56	17°28	13°52	22°20	2°20	25° 8	29°13	15°11	13° 3	26°33	26°44	24°23	n.a.	M27
T 28	1 24 55	20°32'08	7♍26	19° 3	15° 6	22°47	2°32	25° 3	29°11	15°12	13° 5	26°32	26°41	24°29	n.a.	T 28
W29	1 28 51	21°33'21	20°43	20°37	16°20	23°14	2°45	24°58	29°10	15°13	13° 6	26°31	26°38	24°36	n.a.	W29
T 30	1 32 48	22°34'35	3♎47	22°12	17°33	23°41	2°57	24°53	29° 9	15°14	13° 7	26°31	26°35	24°43	n.a.	T 30
F 31	1 36 45	23♎35'50	16♎37	23♎46	18♍47	24♋ 7	3♐10	24♈48	29♒ 8	15♌15	13♐ 9	26♈30	26♈32	24♐49	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	2n47	10n50	3n42	11n10	2n 6	18n18	0n56	24n51	1n19	20s 6	0s 6	8n22	2s26	12s28	0s50	18n 6	1n22	26s44	4s 1	10n32	11n 0	27s44			n.a.
T 2	2 23	4 35	2 45	10 33	2 3	18 0	0 59	24 50	1 20	20 8	0 6	8 20	2 26	12 29	0 50	18 5	1 22	26 44	4 1	10 30	10 59	27 45			n.a.
F 3	1 58	1s44	1 40	9 56	2 0	17 42	1 2	24 48	1 21	20 11	0 7	8 19	2 26	12 29	0 50	18 4	1 22	26 44	4 1	10 29	10 58	27 46			n.a.
S 4	1 34	7 51	0 31	9 17	1 57	17 23	1 5	24 47	1 22	20 13	0 7	8 17	2 26	12 30	0 50	18 4	1 22	26 44	4 1	10 29	10 57	27 47			n.a.
S 5	1 9	13 31	0s38	8 37	1 53	17 4	1 8	24 45	1 23	20 15	0 7	8 16	2 26	12 31	0 50	18 4	1 22	26 44	4 1	10 29	10 56	27 48			n.a.
M 6	0 44	18 32	1 43	7 57	1 48	16 44	1 11	24 44	1 24	20 18	0 7	8 14	2 27	12 32	0 50	18 3	1 22	26 44	4 1	10 29	10 54	27 49			n.a.
T 7	0 20	22 43	2 43	7 15	1 44	16 23	1 14	24 42	1 26	20 20	0 7	8 12	2 27	12 32	0 50	18 3	1 22	26 44	4 1	10 30	10 53	27 50			n.a.
W 8	0s 5	25 54	3 35	6 33	1 39	16 2	1 16	24 40	1 27	20 22	0 7	8 11	2 27	12 33	0 50	18 2	1 22	26 44	4 1	10 31	10 52	27 51			n.a.
T 9	0 29	27 55	4 18	5 51	1 34	15 41	1 19	24 38	1 28	20 25	0 7	8 9	2 27	12 34	0 50	18 2	1 22	26 44	4 1	10 31	10 51	27 52			n.a.
F 10	0 54	28 40	4 49	5 8	1 28	15 19	1 21	24 36	1 29	20 27	0 7	8 8	2 27	12 34	0 50	18 1	1 22	26 44	4 1	10 31	10 50	27 53			n.a.
S 11	1 19	28 5	5 9	4 25	1 23	14 57	1 23	24 34	1 30	20 30	0 7	8 6	2 27	12 35	0 50	18 1	1 22	26 44	4 1	10 31	10 49	27 54			n.a.
S 12	1 43	26 10	5 15	3 41	1 17	14 34	1 26	24 31	1 32	20 32	0 7	8 4	2 27	12 36	0 50	18 0	1 22	26 45	4 1	10 30	10 47	27 54			n.a.
M13	2 8	22 59	5 6	2 57	1 11	14 11	1 28	24 29	1 33	20 35	0 8	8 3	2 27	12 36	0 50	18 0	1 22	26 45	4 1	10 29	10 46	27 55			n.a.
T 14	2 32	18 41	4 43	2 13	1 5	13 47	1 30	24 27	1 34	20 37	0 8	8 1	2 27	12 37	0 50	17 59	1 22	26 45	4 1	10 28	10 45	27 56			n.a.
W15	2 57	13 26	4 5	1 29	0 58	13 23	1 32	24 24	1 35	20 40	0 8	7 59	2 27	12 38	0 50	17 59	1 22	26 45	4 1	10 27	10 44	27 57			n.a.
T 16	3 21	7 26	3 13	0 45	0 52	12 59	1 34	24 22	1 37	20 42	0 8	7 58	2 27	12 38	0 50	17 59	1 23	26 45	4 1	10 26	10 43	27 58			n.a.
F 17	3 46	0 57	2 9	0 0	0 46	12 34	1 35	24 19	1 38	20 45	0 8	7 56	2 27	12 39	0 50	17 58	1 23	26 45	4 1	10 25	10 42	27 59			n.a.
S 18	4 10	5n44	0 55	0s44	0 39	12 9	1 37	24 16	1 39	20 47	0 8	7 54	2 27	12 39	0 50	17 58	1 23	26 45	4 1	10 25	10 40	28 0			n.a.
S 19	4 35	12 15	0n23	1 28	0 33	11 43	1 39	24 14	1 40	20 50	0 8	7 52	2 27	12 40	0 49	17 57	1 23	26 45	4 1	10 25	10 39	28 1			n.a.
M20	4 59	18 12	1 40	2 12	0 26	11 17	1 40	24 11	1 42	20 52	0 8	7 51	2 27	12 41	0 49	17 57	1 23	26 45	4 1	10 25	10 38	28 1			n.a.
T 21	5 23	23 10	2 52	2 56	0 20	10 51	1 42	24 8	1 43	20 55	0 8	7 49	2 27	12 41	0 49	17 57	1 23	26 46	4 1	10 25	10 37	28 2			n.a.
W22	5 47	26 43	3 52	3 40	0 13	10 25	1 43	24 5	1 44	20 57	0 9	7 47	2 27	12 42	0 49	17 56	1 23	26 46	4 1	10 26	10 36	28 3			n.a.
T 23	6 11	28 31	4 38	4 24	0 7	9 58	1 44	24 2	1 46	21 0	0 9	7 45	2 27	12 42	0 49	17 56	1 23	26 46	4 1	10 26	10 35	28 4			n.a.
F 24	6 35	28 25	5 7	5 8	0 0	9 30	1 45	23 59	1 47	21 3	0 9	7 43	2 27	12 43	0 49	17 56	1 23	26 46	4 1	10 26	10 33	28 5			n.a.
S 25	6 59	26 28	5 17	5 51	0s 6	9 3	1 46	23 56	1 48	21 5	0 9	7 42	2 27	12 43	0 49	17 55	1 23	26 46	4 1	10 26	10 32	28 5			n.a.
S 26	7 23	22 56	5 8	6 34	0 13	8 35	1 47	23 53	1 50	21 8	0 9	7 40	2 27	12 44	0 49	17 55	1 23	26 46	4 1	10 26	10 31	28 6			n.a.
M27	7 47	18 12	4 41	7 17	0 19	8 7	1 48	23 50	1 51	21 10	0 9	7 38	2 27	12 44	0 49	17 55	1 23	26 46	4 1	10 26	10 30	28 7			n.a.
T 28	8 10	12 38	4 0	7 59	0 26	7 39	1 49	23 46	1 53	21 13	0 9	7 36	2 27	12 44	0 49	17 54	1 23	26 47	4 1	10 25	10 29	28 8			n.a.
W29	8 33	6 35	3 6	8 41	0 32	7 10	1 49	23 43	1 54	21 15	0 9	7 34	2 27	12 45	0 49	17 54	1 23	26 47	4 1	10 25	10 28	28 9			n.a.
T 30	8 57	0 21	2 3	9 23	0 38	6 41	1 50	23 40	1 55	21 18	0 9	7 33	2 27	12 45	0 49	17 54	1 23	26 47	4 1	10 25	10 26	28 9			n.a.
F 31	9s20	5s49	0n55	10s 5	0s44	6n12	1n50	23n37	1n57	21s20	0s 9	7n31	2s27	12s46	0s49	17n53	1n23	26s47	4s 1	10n25	10n25	28s10			n.a.

Julian Day Number = 1107345.5, Delta T = 10h56m13s
Ecliptic obliquity = 23°53'35, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'53, Lahiri = -27°08'52 Julian Calendar 1 Oct. 1682 BCE == Greg. Calendar 17 Sept. 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

NOVEMBER 1682 BCE (-1681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 40 41	24♎37'06	29♎14	25♎21	20♍ 1	24♋33	3♐22	24°R43	29°R 7	15♑16	13♐10	26°D30	26♈28	24♐56	n.a.	S 1
S 2	1 44 38	25°38'23	11♏38	26°55	21°15	24°59	3°35	24♈38	29♒ 6	15°17	13°11	26♈30	26°25	25° 3	n.a.	S 2
M 3	1 48 34	26°39'40	23°50	28°30	22°29	25°24	3°47	24°33	29° 5	15°18	13°13	26°R30	26°22	25°10	n.a.	M 3
T 4	1 52 31	27°40'57	5♐53	0♏ 5	23°43	25°49	4° 0	24°28	29° 4	15°19	13°14	26°30	26°19	25°16	n.a.	T 4
W 5	1 56 27	28°42'15	17°48	1°40	24°57	26°14	4°13	24°23	29° 3	15°20	13°16	26°30	26°16	25°23	n.a.	W 5
T 6	2 0 24	29°43'33	29°39	3°15	26°11	26°39	4°26	24°18	29° 2	15°21	13°17	26°30	26°13	25°30	n.a.	T 6
F 7	2 4 20	0♏44'52	11♑29	4°50	27°26	27° 3	4°38	24°13	29° 1	15°22	13°19	26°29	26° 9	25°36	n.a.	F 7
S 8	2 8 17	1°46'10	23°24	6°26	28°40	27°27	4°51	24° 8	29° 0	15°23	13°20	26°29	26° 6	25°43	n.a.	S 8
S 9	2 12 14	2°47'29	5♒27	8° 1	29°54	27°51	5° 4	24° 3	28°59	15°23	13°22	26°D29	26° 3	25°50	n.a.	S 9
M10	2 16 10	3°48'47	17°44	9°37	1♎ 8	28°15	5°18	23°59	28°59	15°24	13°23	26°29	26° 0	25°57	n.a.	M10
T 11	2 20 7	4°50'06	0♓19	11°13	2°22	28°38	5°31	23°54	28°58	15°25	13°25	26°30	25°57	26° 3	n.a.	T 11
W12	2 24 3	5°51'24	13°15	12°49	3°37	29° 1	5°44	23°49	28°58	15°26	13°26	26°31	25°53	26°10	n.a.	W12
T 13	2 28 0	6°52'43	26°35	14°26	4°51	29°24	5°57	23°44	28°57	15°26	13°28	26°32	25°50	26°17	n.a.	T 13
F 14	2 31 56	7°54'01	10♈21	16° 2	6° 5	29°46	6°10	23°39	28°57	15°27	13°30	26°32	25°47	26°23	n.a.	F 14
S 15	2 35 53	8°55'19	24°31	17°39	7°20	0♌ 8	6°24	23°34	28°56	15°28	13°31	26°R33	25°44	26°30	n.a.	S 15
S 16	2 39 50	9°56'37	9♉ 2	19°15	8°34	0°30	6°37	23°30	28°56	15°28	13°33	26°33	25°41	26°37	n.a.	S 16
M17	2 43 46	10°57'56	23°48	20°52	9°49	0°51	6°51	23°25	28°56	15°29	13°34	26°32	25°38	26°43	n.a.	M17
T 18	2 47 43	11°59'14	8♊41	22°29	11° 3	1°12	7° 4	23°20	28°55	15°29	13°36	26°30	25°34	26°50	n.a.	T 18
W19	2 51 39	13° 0'33	23°34	24° 6	12°18	1°33	7°18	23°16	28°55	15°30	13°38	26°28	25°31	26°57	n.a.	W19
T 20	2 55 36	14° 1'51	8♋18	25°43	13°32	1°53	7°31	23°11	28°55	15°30	13°40	26°25	25°28	27° 4	n.a.	T 20
F 21	2 59 32	15° 3'10	22°48	27°20	14°47	2°13	7°45	23° 7	28°55	15°30	13°41	26°24	25°25	27°10	n.a.	F 21
S 22	3 3 29	16° 4'29	7♌ 0	28°56	16° 1	2°32	7°58	23° 3	28°55	15°31	13°43	26°22	25°22	27°17	n.a.	S 22
S 23	3 7 26	17° 5'48	20°52	0♐33	17°16	2°52	8°12	22°58	28°D55	15°31	13°45	26°D22	25°19	27°24	n.a.	S 23
M24	3 11 22	18° 7'07	4♍23	2° 8	18°31	3°10	8°26	22°54	28°55	15°31	13°46	26°23	25°15	27°30	n.a.	M24
T 25	3 15 19	19° 8'26	17°36	3°44	19°45	3°29	8°40	22°50	28°55	15°32	13°48	26°24	25°12	27°37	n.a.	T 25
W26	3 19 15	20° 9'44	0♎33	5°18	21° 0	3°47	8°53	22°45	28°55	15°32	13°50	26°26	25° 9	27°44	n.a.	W26
T 27	3 23 12	21°11'03	13°14	6°52	22°15	4° 4	9° 7	22°41	28°55	15°32	13°52	26°28	25° 6	27°51	n.a.	T 27
F 28	3 27 8	22°12'21	25°44	8°24	23°29	4°21	9°21	22°37	28°55	15°32	13°54	26°R28	25° 3	27°57	n.a.	F 28
S 29	3 31 5	23°13'39	8♏ 3	9°55	24°44	4°38	9°35	22°33	28°56	15°32	13°55	26°28	24°59	28° 4	n.a.	S 29
S 30	3 35 1	24♏14'57	20♏13	11♐23	25♎59	4♌54	9♐49	22♈29	28♒56	15♑33	13♐57	26♈25	24♈56	28♐11	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s43	11s39	0s15	10s46	0s50	5n43	1n51	23n33	1n58	21s23	0s10	7n29	2s27	12s46	0s49	17n53	1n23	26s47	4s 1	10n25	10n24	28s11		n.a.
S 2	10 6	16 55	1 23	11 26	0 56	5 14	1 51	23 30	2 0	21 25	0 10	7 27	2 27	12 46	0 49	17 53	1 23	26 47	4 1	10 25	10 23	28 11		n.a.
M 3	10 28	21 26	2 26	12 6	1 2	4 44	1 51	23 27	2 1	21 28	0 10	7 25	2 27	12 47	0 49	17 53	1 23	26 48	4 1	10 25	10 22	28 12		n.a.
T 4	10 51	25 0	3 22	12 46	1 7	4 14	1 51	23 23	2 3	21 31	0 10	7 24	2 27	12 47	0 49	17 52	1 24	26 48	4 1	10 25	10 21	28 13		n.a.
W 5	11 13	27 26	4 8	13 25	1 13	3 44	1 51	23 20	2 4	21 33	0 10	7 22	2 26	12 47	0 49	17 52	1 24	26 48	4 1	10 25	10 19	28 14		n.a.
T 6	11 35	28 37	4 43	14 3	1 18	3 14	1 51	23 17	2 6	21 36	0 10	7 20	2 26	12 47	0 49	17 52	1 24	26 48	4 1	10 25	10 18	28 14		n.a.
F 7	11 57	28 28	5 6	14 41	1 23	2 44	1 51	23 13	2 7	21 38	0 10	7 18	2 26	12 48	0 49	17 52	1 24	26 48	4 1	10 24	10 17	28 15		n.a.
S 8	12 19	27 1	5 17	15 18	1 28	2 14	1 51	23 10	2 9	21 41	0 10	7 16	2 26	12 48	0 49	17 52	1 24	26 48	4 1	10 24	10 16	28 16		n.a.
S 9	12 40	24 19	5 13	15 54	1 33	1 44	1 51	23 7	2 11	21 43	0 10	7 15	2 26	12 48	0 49	17 51	1 24	26 49	4 1	10 24	10 15	28 16		n.a.
M10	13 2	20 29	4 56	16 30	1 37	1 13	1 50	23 3	2 12	21 46	0 10	7 13	2 26	12 48	0 49	17 51	1 24	26 49	4 1	10 24	10 14	28 17		n.a.
T 11	13 23	15 40	4 24	17 5	1 42	0 43	1 50	23 0	2 14	21 48	0 11	7 11	2 26	12 49	0 49	17 51	1 24	26 49	4 1	10 25	10 12	28 18		n.a.
W12	13 43	10 2	3 38	17 39	1 46	0 12	1 49	22 57	2 15	21 51	0 11	7 10	2 26	12 49	0 49	17 51	1 24	26 49	4 1	10 25	10 11	28 18		n.a.
T 13	14 4	3 48	2 38	18 12	1 49	0s18	1 49	22 54	2 17	21 53	0 11	7 8	2 26	12 49	0 49	17 51	1 24	26 50	4 1	10 25	10 10	28 19		n.a.
F 14	14 24	2n49	1 29	18 45	1 53	0 49	1 48	22 50	2 19	21 56	0 11	7 6	2 25	12 49	0 49	17 51	1 24	26 50	4 1	10 26	10 9	28 20		n.a.
S 15	14 44	9 30	0 11	19 16	1 56	1 20	1 47	22 47	2 20	21 58	0 11	7 5	2 25	12 49	0 48	17 50	1 24	26 50	4 1	10 26	10 8	28 20		n.a.
S 16	15 4	15 52	1n 9	19 46	1 59	1 50	1 46	22 44	2 22	22 0	0 11	7 3	2 25	12 49	0 48	17 50	1 24	26 50	4 1	10 26	10 7	28 21		n.a.
M17	15 24	21 25	2 25	20 15	2 1	2 21	1 46	22 41	2 24	22 3	0 11	7 1	2 25	12 49	0 48	17 50	1 24	26 50	4 1	10 25	10 5	28 21		n.a.
T 18	15 43	25 40	3 32	20 43	2 3	2 51	1 45	22 38	2 26	22 5	0 11	7 0	2 25	12 49	0 48	17 50	1 24	26 51	4 1	10 25	10 4	28 22		n.a.
W19	16 2	28 9	4 25	21 10	2 5	3 22	1 43	22 35	2 27	22 8	0 11	6 58	2 25	12 49	0 48	17 50	1 24	26 51	4 1	10 24	10 3	28 23		n.a.
T 20	16 21	28 37	5 0	21 35	2 6	3 52	1 42	22 32	2 29	22 10	0 11	6 57	2 24	12 49	0 48	17 50	1 24	26 51	4 1	10 23	10 2	28 23		n.a.
F 21	16 39	27 5	5 15	22 0	2 7	4 23	1 41	22 29	2 31	22 12	0 12	6 55	2 24	12 49	0 48	17 50	1 24	26 51	4 1	10 22	10 1	28 24		n.a.
S 22	16 58	23 52	5 10	22 22	2 7	4 53	1 40	22 26	2 33	22 15	0 12	6 54	2 24	12 49	0 48	17 50	1 25	26 52	4 1	10 22	9 59	28 24		n.a.
S 23	17 15	19 20	4 47	22 43	2 7	5 24	1 38	22 24	2 35	22 17	0 12	6 52	2 24	12 49	0 48	17 50	1 25	26 52	4 1	10 22	9 58	28 25		n.a.
M24	17 33	13 56	4 9	23 3	2 6	5 54	1 37	22 21	2 36	22 19	0 12	6 51	2 24	12 49	0 48	17 50	1 25	26 52	4 1	10 22	9 57	28 25		n.a.
T 25	17 50	8 1	3 18	23 20	2 5	6 24	1 36	22 18	2 38	22 22	0 12	6 49	2 24	12 49	0 48	17 50	1 25	26 52	4 1	10 23	9 56	28 26		n.a.
W26	18 7	1 53	2 18	23 36	2 3	6 54	1 34	22 16	2 40	22 24	0 12	6 48	2 23	12 49	0 48	17 50	1 25	26 53	4 1	10 23	9 55	28 27		n.a.
T 27	18 24	4s13	1 12	23 50	2 0	7 24	1 32	22 13	2 42	22 26	0 12	6 47	2 23	12 49	0 48	17 50	1 25	26 53	4 1	10 24	9 54	28 27		n.a.
F 28	18 40	10 4	0 4	24 3	1 57	7 53	1 31	22 11	2 44	22 29	0 12	6 45	2 23	12 49	0 48	17 50	1 25	26 53	4 1	10 24	9 52	28 28		n.a.
S 29	18 56	15 27	1s 3	24 13	1 53	8 23	1 29	22 9	2 46	22 31	0 12	6 44	2 23	12 49	0 48	17 50	1 25	26 53	4 1	10 24	9 51	28 28		n.a.
S 30	19s11	20s10	2s 7	24s21	1s48	8s52	1n27	22n 7	2n48	22s33	0s13	6n43	2s23	12s49	0s48	17n50	1n25	26s54	4s 1	10n23	9n50	28s29		n.a.

Julian Day Number = 1107376.5, Delta T = 10h56m11s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'48, Lahiri = -27°08'48 Julian Calendar 1 Nov. 1682 BCE == Greg. Calendar 18 Oct. 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1682 BCE
geocentric

DECEMBER 1682 BCE (-1681) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 38 58	25♏16'13	2♐17	12♐50	27♎13	5♑10	10♐ 3	22°R26	28♒57	15♑33	13♐59	26°R22	24♈53	28♐17	n.a.	M 1
T 2	3 42 55	26°17'30	14°14	14°14	28°28	5°25	10°17	22♈22	28°57	15°R33	14° 1	26♈17	24°50	28°24	n.a.	T 2
W 3	3 46 51	27°18'46	26° 7	15°34	29°43	5°39	10°31	22°18	28°58	15°33	14° 3	26°11	24°47	28°31	n.a.	W 3
T 4	3 50 48	28°20'01	7♉57	16°51	0♏57	5°54	10°45	22°15	28°58	15°33	14° 4	26° 5	24°44	28°38	n.a.	T 4
F 5	3 54 44	29°21'15	19°48	18° 3	2°12	6° 7	10°59	22°11	28°59	15°32	14° 6	25°59	24°40	28°44	n.a.	F 5
S 6	3 58 41	0♐22'28	1♒43	19° 9	3°27	6°21	11°13	22° 8	28°59	15°32	14° 8	25°54	24°37	28°51	n.a.	S 6
S 7	4 2 37	1°23'40	13°44	20°10	4°42	6°33	11°27	22° 5	29° 0	15°32	14°10	25°51	24°34	28°58	n.a.	S 7
M 8	4 6 34	2°24'50	25°57	21° 4	5°56	6°45	11°41	22° 1	29° 1	15°32	14°12	25°49	24°31	29° 4	n.a.	M 8
T 9	4 10 31	3°26'00	8♓25	21°50	7°11	6°57	11°55	21°58	29° 2	15°32	14°14	25°D49	24°28	29°11	n.a.	T 9
W10	4 14 27	4°27'08	21°13	22°27	8°26	7° 8	12°10	21°55	29° 3	15°31	14°16	25°50	24°25	29°18	n.a.	W10
T 11	4 18 24	5°28'16	4♈26	22°55	9°40	7°18	12°24	21°52	29° 4	15°31	14°18	25°52	24°21	29°25	n.a.	T 11
F 12	4 22 20	6°29'21	18° 6	23°12	10°55	7°28	12°38	21°50	29° 5	15°31	14°19	25°53	24°18	29°31	n.a.	F 12
S 13	4 26 17	7°30'26	2♉15	23°R19	12°10	7°38	12°52	21°47	29° 6	15°31	14°21	25°R53	24°15	29°38	n.a.	S 13
S 14	4 30 13	8°31'30	16°51	23°14	13°24	7°46	13° 6	21°44	29° 7	15°30	14°23	25°51	24°12	29°45	n.a.	S 14
M15	4 34 10	9°32'32	1♊49	22°58	14°39	7°54	13°21	21°42	29° 8	15°30	14°25	25°47	24° 9	29°51	n.a.	M15
T 16	4 38 6	10°33'33	17° 1	22°31	15°54	8° 2	13°35	21°39	29° 9	15°29	14°27	25°42	24° 5	29°58	n.a.	T 16
W17	4 42 3	11°34'33	2♋17	21°53	17° 9	8° 9	13°49	21°37	29°10	15°29	14°29	25°35	24° 2	0♉ 5	n.a.	W17
T 18	4 46 0	12°35'32	17°26	21° 4	18°23	8°15	14° 3	21°35	29°11	15°28	14°31	25°27	23°59	0°11	n.a.	T 18
F 19	4 49 56	13°36'30	2♌18	20° 7	19°38	8°21	14°17	21°33	29°13	15°28	14°33	25°20	23°56	0°18	n.a.	F 19
S 20	4 53 53	14°37'27	16°47	19° 3	20°53	8°25	14°32	21°31	29°14	15°27	14°35	25°15	23°53	0°25	n.a.	S 20
S 21	4 57 49	15°38'23	0♍49	17°54	22° 7	8°30	14°46	21°29	29°16	15°27	14°37	25°12	23°50	0°32	n.a.	S 21
M22	5 1 46	16°39'18	14°23	16°41	23°22	8°33	15° 0	21°27	29°17	15°26	14°39	25°D11	23°46	0°38	n.a.	M22
T 23	5 5 42	17°40'11	27°33	15°27	24°37	8°36	15°14	21°25	29°19	15°25	14°40	25°11	23°43	0°45	n.a.	T 23
W24	5 9 39	18°41'04	10♎20	14°15	25°51	8°38	15°29	21°24	29°20	15°24	14°42	25°12	23°40	0°52	n.a.	W24
T 25	5 13 36	19°41'55	22°50	13° 5	27° 6	8°39	15°43	21°22	29°22	15°24	14°44	25°R13	23°37	0°58	n.a.	T 25
F 26	5 17 32	20°42'45	5♏ 6	12° 0	28°21	8°R40	15°57	21°21	29°23	15°23	14°46	25°13	23°34	1° 5	n.a.	F 26
S 27	5 21 29	21°43'34	17°12	11° 1	29°36	8°40	16°11	21°20	29°25	15°22	14°48	25°10	23°31	1°12	n.a.	S 27
S 28	5 25 25	22°44'21	29°11	10° 9	0♐50	8°39	16°25	21°18	29°27	15°21	14°50	25° 5	23°27	1°19	n.a.	S 28
M29	5 29 22	23°45'08	11♐ 6	9°24	2° 5	8°37	16°40	21°17	29°29	15°21	14°52	24°57	23°24	1°25	n.a.	M29
T 30	5 33 18	24°45'52	22°59	8°48	3°20	8°35	16°54	21°17	29°30	15°20	14°54	24°46	23°21	1°32	n.a.	T 30
W31	5 37 15	25♐46'35	4♉50	8♐19	4♐34	8♑32	17♐ 8	21♈16	29♒32	15♑19	14♐56	24♈34	23♈18	1♉39	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	19s27	24s 0	3s 4	24s27	1s42	9s21	1n25	22n 5	2n50	22s35	0s13	6n42	2s22	12s48	0s48	17n50	1n25	26s54	4s 1	10n22		9n49		28s29			n.a.
T 2	19 41	26 47	3 52	24 31	1 35	9 50	1 24	22 3	2 52	22 37	0 13	6 40	2 22	12 48	0 48	17 50	1 25	26 54	4 1	10 20		9 48		28 30			n.a.
W 3	19 56	28 20	4 30	24 32	1 27	10 19	1 22	22 1	2 54	22 40	0 13	6 39	2 22	12 48	0 48	17 50	1 25	26 54	4 1	10 18		9 46		28 30			n.a.
T 4	20 10	28 34	4 56	24 32	1 18	10 47	1 20	21 59	2 56	22 42	0 13	6 38	2 22	12 48	0 48	17 50	1 25	26 55	4 1	10 15		9 45		28 30			n.a.
F 5	20 24	27 30	5 9	24 29	1 9	11 15	1 18	21 58	2 58	22 44	0 13	6 37	2 21	12 47	0 48	17 50	1 25	26 55	4 1	10 13		9 44		28 31			n.a.
S 6	20 37	25 11	5 10	24 24	0 58	11 43	1 16	21 57	3 0	22 46	0 13	6 36	2 21	12 47	0 48	17 50	1 25	26 55	4 1	10 11		9 43		28 31			n.a.
S 7	20 50	21 44	4 56	24 17	0 45	12 11	1 14	21 55	3 2	22 48	0 13	6 35	2 21	12 47	0 48	17 50	1 25	26 56	4 1	10 10		9 42		28 32			n.a.
M 8	21 2	17 19	4 29	24 7	0 32	12 38	1 11	21 54	3 4	22 50	0 13	6 34	2 21	12 47	0 48	17 50	1 25	26 56	4 1	10 10		9 40		28 32			n.a.
T 9	21 14	12 6	3 49	23 56	0 18	13 5	1 9	21 53	3 6	22 52	0 13	6 33	2 20	12 46	0 47	17 51	1 26	26 56	4 2	10 10		9 39		28 33			n.a.
W10	21 26	6 15	2 57	23 43	0 3	13 32	1 7	21 52	3 9	22 54	0 14	6 32	2 20	12 46	0 47	17 51	1 26	26 56	4 2	10 10		9 38		28 33			n.a.
T 11	21 37	0n 4	1 54	23 28	0n14	13 58	1 5	21 52	3 11	22 56	0 14	6 31	2 20	12 45	0 47	17 51	1 26	26 57	4 2	10 11		9 37		28 34			n.a.
F 12	21 48	6 35	0 42	23 12	0 31	14 24	1 2	21 51	3 13	22 58	0 14	6 31	2 20	12 45	0 47	17 51	1 26	26 57	4 2	10 11		9 36		28 34			n.a.
S 13	21 59	13 1	0n34	22 54	0 49	14 49	1 0	21 51	3 15	23 0	0 14	6 30	2 19	12 45	0 47	17 51	1 26	26 57	4 2	10 11		9 35		28 34			n.a.
S 14	22 9	18 58	1 51	22 35	1 8	15 15	0 58	21 51	3 17	23 2	0 14	6 29	2 19	12 44	0 47	17 51	1 26	26 58	4 2	10 10		9 33		28 35			n.a.
M15	22 18	23 53	3 2	22 15	1 27	15 40	0 55	21 51	3 20	23 4	0 14	6 28	2 19	12 44	0 47	17 51	1 26	26 58	4 2	10 9		9 32		28 35			n.a.
T 16	22 27	27 14	4 1	21 55	1 46	16 4	0 53	21 51	3 22	23 6	0 14	6 28	2 18	12 43	0 47	17 52	1 26	26 58	4 2	10 7		9 31		28 35			n.a.
W17	22 36	28 35	4 43	21 34	2 4	16 28	0 50	21 51	3 24	23 8	0 14	6 27	2 18	12 43	0 47	17 52	1 26	26 59	4 2	10 4		9 30		28 36			n.a.
T 18	22 44	27 46	5 5	21 13	2 22	16 52	0 48	21 52	3 26	23 10	0 14	6 26	2 18	12 42	0 47	17 52	1 26	26 59	4 2	10 1		9 29		28 36			n.a.
F 19	22 52	24 58	5 5	20 52	2 39	17 15	0 45	21 52	3 29	23 11	0 15	6 26	2 18	12 42	0 47	17 52	1 26	26 59	4 2	9 59		9 27		28 36			n.a.
S 20	22 59	20 38	4 46	20 32	2 55	17 37	0 43	21 53	3 31	23 13	0 15	6 25	2 17	12 41	0 47	17 53	1 26	26 59	4 2	9 57		9 26		28 37			n.a.
S 21	23 6	15 17	4 10	20 12	3 8	18 0	0 40	21 54	3 33	23 15	0 15	6 25	2 17	12 41	0 47	17 53	1 26	27 0	4 2	9 56		9 25		28 37			n.a.
M22	23 13	9 21	3 21	19 54	3 20	18 21	0 38	21 56	3 36	23 17	0 15	6 25	2 17	12 40	0 47	17 53	1 26	27 0	4 2	9 55		9 24		28 37			n.a.
T 23	23 18	3 11	2 23	19 37	3 29	18 43	0 35	21 57	3 38	23 18	0 15	6 24	2 16	12 40	0 47	17 53	1 26	27 0	4 2	9 56		9 23		28 38			n.a.
W24	23 24	2s58	1 19	19 22	3 36	19 3	0 33	21 59	3 40	23 20	0 15	6 24	2 16	12 39	0 47	17 54	1 26	27 1	4 3	9 56		9 21		28 38			n.a.
T 25	23 29	8 51	0 13	19 9	3 40	19 24	0 30	22 1	3 42	23 22	0 15	6 24	2 16	12 38	0 47	17 54	1 26	27 1	4 3	9 56		9 20		28 38			n.a.
F 26	23 34	14 18	0s53	18 59	3 43	19 43	0 28	22 3	3 45	23 23	0 15	6 23	2 16	12 38	0 47	17 54	1 26	27 1	4 3	9 56		9 19		28 39			n.a.
S 27	23 38	19 7	1 55	18 51	3 43	20 2	0 25	22 5	3 47	23 25	0 15	6 23	2 15	12 37	0 47	17 54	1 27	27 2	4 3	9 55		9 18		28 39			n.a.
S 28	23 41	23 8	2 51	18 45	3 41	20 21	0 22	22 7	3 49	23 27	0 16	6 23	2 15	12 37	0 47	17 55	1 27	27 2	4 3	9 53		9 17		28 39			n.a.
M29	23 44	26 9	3 39	18 42	3 37	20 39	0 20	22 10	3 52	23 28	0 16	6 23	2 15	12 36	0 47	17 55	1 27	27 2	4 3	9 50		9 15		28 39			n.a.
T 30	23 47	28 0	4 18	18 42	3 32	20 56	0 17	22 13	3 54	23 30	0 16	6 23	2 14	12 35	0 47	17 55	1 27	27 3	4 3	9 46		9 14		28 40			n.a.
W31	23s49	28s33	4s45	18s44	3n25	21s13	0n15	22n16	3n56	23s31	0s16	6n23	2s14	12s34	0s47	17n56	1n27	27s 3	4s 3	9n42		9n13		28s40			n.a.

Julian Day Number = 1107406.5, Delta T = 10h56m09s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'44, Lahiri = -27°08'44 Julian Calendar 1 Dec. 1682 BCE == Greg. Calendar 17 Nov. 1682 BCE

The year -1681 astronomical counting style corresponds to year 1682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

JANUARY 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 41 11	26♐47'16	16♉42	7°R59	5♐49	8°R28	17♐22	21°R15	29♒34	15°R18	14♐58	24°R22	23♈15	1♉45	n.a.	T 1
F 2	5 45 8	27°47'56	28°36	7♐46	7° 3	8♌23	17°36	21♈15	29°36	15♌17	14°59	24♈ 9	23°11	1°52	n.a.	F 2
S 3	5 49 5	28°48'34	10♒33	7°D41	8°18	8°17	17°50	21°14	29°38	15°16	15° 1	23°58	23° 8	1°59	n.a.	S 3
S 4	5 53 1	29°49'09	22°37	7°43	9°33	8°11	18° 4	21°14	29°40	15°15	15° 3	23°50	23° 5	2° 6	n.a.	S 4
M 5	5 56 58	0♉49'43	4♓50	7°52	10°47	8° 4	18°18	21°14	29°42	15°14	15° 5	23°44	23° 2	2°12	n.a.	M 5
T 6	6 0 54	1°50'15	17°16	8° 7	12° 2	7°56	18°32	21°D14	29°44	15°13	15° 7	23°41	22°59	2°19	n.a.	T 6
W 7	6 4 51	2°50'44	29°59	8°28	13°16	7°47	18°47	21°14	29°47	15°12	15° 9	23°D40	22°56	2°26	n.a.	W 7
T 8	6 8 47	3°51'12	13♈ 4	8°55	14°31	7°38	19° 1	21°14	29°49	15°10	15°10	23°40	22°52	2°33	n.a.	T 8
F 9	6 12 44	4°51'37	26°33	9°26	15°45	7°28	19°14	21°14	29°51	15° 9	15°12	23°R40	22°49	2°39	n.a.	F 9
S 10	6 16 40	5°52'01	10♉30	10° 2	17° 0	7°17	19°28	21°14	29°53	15° 8	15°14	23°39	22°46	2°46	n.a.	S 10
S 11	6 20 37	6°52'22	24°56	10°43	18°15	7° 5	19°42	21°15	29°56	15° 7	15°16	23°36	22°43	2°53	n.a.	S 11
M12	6 24 34	7°52'41	9♊48	11°28	19°29	6°52	19°56	21°15	29°58	15° 6	15°18	23°30	22°40	2°59	n.a.	M12
T 13	6 28 30	8°52'58	24°59	12°16	20°44	6°39	20°10	21°16	0♓ 0	15° 5	15°20	23°21	22°37	3° 6	n.a.	T 13
W14	6 32 27	9°53'13	10♋20	13° 7	21°58	6°25	20°24	21°17	0° 3	15° 3	15°21	23°11	22°33	3°13	n.a.	W14
T 15	6 36 23	10°53'26	25°40	14° 2	23°13	6°11	20°38	21°18	0° 5	15° 2	15°23	23° 0	22°30	3°20	n.a.	T 15
F 16	6 40 20	11°53'37	10♌46	15° 0	24°27	5°55	20°52	21°19	0° 8	15° 1	15°25	22°49	22°27	3°26	n.a.	F 16
S 17	6 44 16	12°53'47	25°29	16° 0	25°41	5°39	21° 5	21°20	0°10	14°59	15°27	22°40	22°24	3°33	n.a.	S 17
S 18	6 48 13	13°53'54	9♍44	17° 3	26°56	5°22	21°19	21°21	0°13	14°58	15°28	22°34	22°21	3°40	n.a.	S 18
M19	6 52 10	14°54'00	23°29	18° 8	28°10	5° 5	21°33	21°23	0°16	14°57	15°30	22°31	22°17	3°46	n.a.	M19
T 20	6 56 6	15°54'03	6♎45	19°16	29°25	4°47	21°46	21°24	0°18	14°55	15°32	22°29	22°14	3°53	n.a.	T 20
W21	7 0 3	16°54'06	19°34	20°26	0♉39	4°28	22° 0	21°26	0°21	14°54	15°33	22°29	22°11	4° 0	n.a.	W21
T 22	7 3 59	17°54'06	2♏ 2	21°37	1°54	4° 9	22°13	21°28	0°24	14°52	15°35	22°29	22° 8	4° 7	n.a.	T 22
F 23	7 7 56	18°54'04	14°15	22°51	3° 8	3°49	22°27	21°29	0°26	14°51	15°37	22°28	22° 5	4°13	n.a.	F 23
S 24	7 11 52	19°54'01	26°15	24° 6	4°23	3°29	22°40	21°31	0°29	14°50	15°38	22°24	22° 2	4°20	n.a.	S 24
S 25	7 15 49	20°53'56	8♐ 9	25°23	5°37	3° 8	22°54	21°33	0°32	14°48	15°40	22°18	21°58	4°27	n.a.	S 25
M26	7 19 45	21°53'49	20° 0	26°42	6°51	2°47	23° 7	21°36	0°35	14°47	15°42	22° 8	21°55	4°33	n.a.	M26
T 27	7 23 42	22°53'40	1♉50	28° 2	8° 6	2°25	23°20	21°38	0°38	14°45	15°43	21°56	21°52	4°40	n.a.	T 27
W28	7 27 38	23°53'28	13°42	29°24	9°20	2° 3	23°34	21°40	0°40	14°44	15°45	21°42	21°49	4°47	n.a.	W28
T 29	7 31 35	24°53'15	25°37	0♉47	10°35	1°41	23°47	21°43	0°43	14°42	15°46	21°27	21°46	4°54	n.a.	T 29
F 30	7 35 32	25°53'00	7♒37	2°12	11°49	1°18	24° 0	21°45	0°46	14°41	15°48	21°13	21°43	5° 0	n.a.	F 30
S 31	7 39 28	26♉52'42	19♒43	3♉38	13♉ 3	0♌56	24♐13	21♈48	0♓49	14♌39	15♐49	21♈ 0	21♈39	5♉ 7	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23s51	27s47	5s 0	18s49	3n17	21s29	0n12	22n19	3n59	23s33	0s16	6n23	2s14	12s34	0s47	17n56	1n27	27s 3	4s 3	9n37	9n12	28s40			n.a.
F 2	23 52	25 45	5 1	18 55	3 8	21 45	0 9	22 23	4 1	23 34	0 16	6 23	2 14	12 33	0 47	17 56	1 27	27 4	4 3	9 32	9 11	28 40			n.a.
S 3	23 53	22 34	4 50	19 4	2 59	22 0	0 7	22 26	4 3	23 36	0 16	6 23	2 13	12 32	0 46	17 57	1 27	27 4	4 4	9 28	9 9	28 41			n.a.
S 4	23 54	18 24	4 26	19 14	2 49	22 14	0 4	22 30	4 5	23 37	0 16	6 23	2 13	12 31	0 46	17 57	1 27	27 4	4 4	9 25	9 8	28 41			n.a.
M 5	23 53	13 27	3 49	19 26	2 39	22 28	0 2	22 34	4 8	23 39	0 17	6 23	2 13	12 31	0 46	17 57	1 27	27 5	4 4	9 23	9 7	28 41			n.a.
T 6	23 53	7 53	3 0	19 39	2 28	22 41	0s 1	22 39	4 10	23 40	0 17	6 24	2 12	12 30	0 46	17 58	1 27	27 5	4 4	9 22	9 6	28 41			n.a.
W 7	23 52	1 52	2 2	19 53	2 17	22 53	0 3	22 43	4 12	23 41	0 17	6 24	2 12	12 29	0 46	17 58	1 27	27 5	4 4	9 21	9 5	28 41			n.a.
T 8	23 50	4n24	0 56	20 8	2 6	23 4	0 6	22 48	4 14	23 43	0 17	6 24	2 12	12 28	0 46	17 58	1 27	27 6	4 4	9 21	9 3	28 42			n.a.
F 9	23 48	10 40	0n15	20 24	1 55	23 15	0 9	22 52	4 16	23 44	0 17	6 25	2 11	12 27	0 46	17 59	1 27	27 6	4 4	9 21	9 2	28 42			n.a.
S 10	23 46	16 39	1 28	20 40	1 44	23 26	0 11	22 57	4 18	23 45	0 17	6 25	2 11	12 27	0 46	17 59	1 27	27 6	4 4	9 21	9 1	28 42			n.a.
S 11	23 43	21 54	2 37	20 57	1 33	23 35	0 14	23 2	4 20	23 46	0 17	6 26	2 11	12 26	0 46	18 0	1 27	27 6	4 4	9 20	9 0	28 42			n.a.
M12	23 39	25 56	3 38	21 14	1 21	23 44	0 16	23 7	4 22	23 48	0 17	6 26	2 10	12 25	0 46	18 0	1 27	27 7	4 5	9 18	8 59	28 42			n.a.
T 13	23 35	28 13	4 25	21 32	1 11	23 52	0 18	23 13	4 24	23 49	0 18	6 27	2 10	12 24	0 46	18 0	1 27	27 7	4 5	9 14	8 57	28 42			n.a.
W14	23 31	28 21	4 53	21 49	1 0	23 59	0 21	23 18	4 26	23 50	0 18	6 27	2 10	12 23	0 46	18 1	1 27	27 7	4 5	9 10	8 56	28 42			n.a.
T 15	23 26	26 19	5 0	22 6	0 49	24 6	0 23	23 24	4 28	23 51	0 18	6 28	2 10	12 22	0 46	18 1	1 27	27 8	4 5	9 6	8 55	28 43			n.a.
F 16	23 21	22 26	4 46	22 23	0 39	24 12	0 26	23 29	4 29	23 52	0 18	6 28	2 9	12 21	0 46	18 2	1 27	27 8	4 5	9 2	8 54	28 43			n.a.
S 17	23 15	17 14	4 13	22 40	0 29	24 17	0 28	23 35	4 31	23 53	0 18	6 29	2 9	12 20	0 46	18 2	1 27	27 8	4 5	8 59	8 53	28 43			n.a.
S 18	23 9	11 13	3 25	22 56	0 19	24 22	0 30	23 41	4 33	23 54	0 18	6 30	2 9	12 19	0 46	18 3	1 27	27 9	4 5	8 57	8 51	28 43			n.a.
M19	23 2	4 52	2 27	23 12	0 9	24 25	0 33	23 47	4 34	23 55	0 18	6 31	2 8	12 18	0 46	18 3	1 28	27 9	4 5	8 55	8 50	28 43			n.a.
T 20	22 55	1s28	1 22	23 27	0s 0	24 28	0 35	23 53	4 36	23 56	0 18	6 32	2 8	12 17	0 46	18 3	1 28	27 9	4 6	8 55	8 49	28 43			n.a.
W21	22 48	7 34	0 15	23 42	0 9	24 30	0 37	23 59	4 37	23 57	0 19	6 33	2 8	12 16	0 46	18 4	1 28	27 10	4 6	8 55	8 48	28 43			n.a.
T 22	22 40	13 12	0s50	23 55	0 18	24 32	0 39	24 5	4 38	23 58	0 19	6 33	2 7	12 15	0 46	18 4	1 28	27 10	4 6	8 55	8 47	28 43			n.a.
F 23	22 32	18 12	1 52	24 8	0 27	24 33	0 41	24 11	4 40	23 59	0 19	6 34	2 7	12 14	0 46	18 5	1 28	27 10	4 6	8 54	8 45	28 43			n.a.
S 24	22 23	22 24	2 48	24 20	0 35	24 33	0 43	24 17	4 41	24 0	0 19	6 35	2 7	12 13	0 46	18 5	1 28	27 11	4 6	8 53	8 44	28 43			n.a.
S 25	22 14	25 38	3 36	24 32	0 43	24 32	0 46	24 23	4 42	24 1	0 19	6 37	2 6	12 12	0 46	18 6	1 28	27 11	4 6	8 50	8 43	28 43			n.a.
M26	22 4	27 44	4 14	24 42	0 51	24 30	0 48	24 29	4 42	24 2	0 19	6 38	2 6	12 11	0 46	18 6	1 28	27 11	4 6	8 47	8 42	28 43			n.a.
T 27	21 54	28 34	4 41	24 51	0 58	24 28	0 50	24 35	4 43	24 3	0 19	6 39	2 6	12 10	0 46	18 7	1 28	27 12	4 7	8 42	8 41	28 43			n.a.
W28	21 44	28 5	4 56	24 58	1 5	24 25	0 51	24 41	4 44	24 3	0 20	6 40	2 6	12 9	0 46	18 7	1 28	27 12	4 7	8 37	8 39	28 43			n.a.
T 29	21 33	26 18	4 58	25 5	1 12	24 21	0 53	24 47	4 45	24 4	0 20	6 41	2 5	12 8	0 46	18 8	1 28	27 12	4 7	8 31	8 38	28 43			n.a.
F 30	21 22	23 20	4 47	25 10	1 18	24 16	0 55	24 52	4 45	24 5	0 20	6 42	2 5	12 7	0 46	18 8	1 28	27 13	4 7	8 26	8 37	28 43			n.a.
S 31	21s11	19s20	4s23	25s15	1s24	24s11	0s57	24n58	4n45	24s 6	0s20	6n44	2s 5	12s 6	0s46	18n 9	1n28	27s13	4s 7	8n21	8n36	28s43			n.a.

Julian Day Number = 1107437.5, Delta T = 10h56m07s
Ecliptic obliquity = 23°53'33, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'40, Lahiri = -27°08'40 Julian Calendar 1 Jan. 1681 BCE == Greg. Calendar 18 Dec. 1682 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

FEBRUARY 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 43 25	27♉52'22	1♓55	5♉ 6	14♉18	0°R33	24♐26	21♈51	0♓52	14°R38	15♐51	20°R49	21♈36	5♉14	n.a.	S 1
M 2	7 47 21	28°51'59	14°17	6°34	15°32	0♌ 9	24°39	21°54	0°55	14♌36	15°52	20♈42	21°33	5°20	n.a.	M 2
T 3	7 51 18	29°51'34	26°49	8° 5	16°46	29♋46	24°52	21°57	0°58	14°34	15°54	20°38	21°30	5°27	n.a.	T 3
W 4	7 55 14	0♒51'07	9♈35	9°36	18° 0	29°23	25° 5	22° 0	1° 1	14°33	15°55	20°36	21°27	5°34	n.a.	W 4
T 5	7 59 11	1°50'37	22°38	11° 9	19°15	28°59	25°18	22° 3	1° 4	14°31	15°57	20°D35	21°23	5°41	n.a.	T 5
F 6	8 3 7	2°50'05	6♉ 2	12°43	20°29	28°36	25°31	22° 6	1° 7	14°30	15°58	20°R35	21°20	5°47	n.a.	F 6
S 7	8 7 4	3°49'30	19°49	14°18	21°43	28°13	25°43	22°10	1°11	14°28	16° 0	20°34	21°17	5°54	n.a.	S 7
S 8	8 11 0	4°48'53	4♊ 0	15°55	22°58	27°49	25°56	22°13	1°14	14°26	16° 1	20°32	21°14	6° 1	n.a.	S 8
M 9	8 14 57	5°48'13	18°35	17°33	24°12	27°26	26° 8	22°17	1°17	14°25	16° 2	20°26	21°11	6° 8	n.a.	M 9
T 10	8 18 54	6°47'31	3♋30	19°12	25°26	27° 4	26°21	22°21	1°20	14°23	16° 4	20°19	21° 8	6°14	n.a.	T 10
W11	8 22 50	7°46'47	18°37	20°53	26°40	26°41	26°33	22°24	1°23	14°21	16° 5	20° 9	21° 4	6°21	n.a.	W11
T 12	8 26 47	8°46'00	3♌47	22°35	27°54	26°19	26°46	22°28	1°26	14°20	16° 6	19°58	21° 1	6°28	n.a.	T 12
F 13	8 30 43	9°45'11	18°49	24°18	29° 9	25°57	26°58	22°32	1°30	14°18	16° 8	19°48	20°58	6°34	n.a.	F 13
S 14	8 34 40	10°44'20	3♍34	26° 3	0♒23	25°35	27°10	22°36	1°33	14°17	16° 9	19°40	20°55	6°41	n.a.	S 14
S 15	8 38 36	11°43'26	17°54	27°49	1°37	25°14	27°22	22°40	1°36	14°15	16°10	19°34	20°52	6°48	n.a.	S 15
M16	8 42 33	12°42'31	1♎45	29°36	2°51	24°54	27°34	22°45	1°39	14°13	16°11	19°30	20°49	6°55	n.a.	M16
T 17	8 46 29	13°41'33	15° 8	1♒25	4° 5	24°33	27°46	22°49	1°43	14°12	16°12	19°D29	20°45	7° 1	n.a.	T 17
W18	8 50 26	14°40'34	28° 4	3°15	5°19	24°14	27°58	22°53	1°46	14°10	16°14	19°29	20°42	7° 8	n.a.	W18
T 19	8 54 23	15°39'32	10♏37	5° 6	6°34	23°55	28°10	22°58	1°49	14° 8	16°15	19°R29	20°39	7°15	n.a.	T 19
F 20	8 58 19	16°38'29	22°51	6°59	7°48	23°36	28°22	23° 3	1°53	14° 7	16°16	19°29	20°36	7°21	n.a.	F 20
S 21	9 2 16	17°37'24	4♐53	8°53	9° 2	23°18	28°33	23° 7	1°56	14° 5	16°17	19°28	20°33	7°28	n.a.	S 21
S 22	9 6 12	18°36'17	16°47	10°49	10°16	23° 1	28°45	23°12	1°59	14° 3	16°18	19°24	20°29	7°35	n.a.	S 22
M23	9 10 9	19°35'08	28°38	12°46	11°30	22°44	28°56	23°17	2° 3	14° 2	16°19	19°17	20°26	7°42	n.a.	M23
T 24	9 14 5	20°33'57	10♑28	14°44	12°44	22°28	29° 8	23°22	2° 6	14° 0	16°20	19° 9	20°23	7°48	n.a.	T 24
W25	9 18 2	21°32'44	22°23	16°44	13°58	22°12	29°19	23°27	2° 9	13°58	16°21	18°59	20°20	7°55	n.a.	W25
T 26	9 21 58	22°31'29	4♒23	18°45	15°12	21°58	29°30	23°32	2°13	13°57	16°22	18°48	20°17	8° 2	n.a.	T 26
F 27	9 25 55	23°30'12	16°32	20°47	16°26	21°44	29°41	23°37	2°16	13°55	16°23	18°37	20°14	8° 8	n.a.	F 27
S 28	9 29 51	24°28'53	28°48	22°50	17°41	21°31	29°52	23°42	2°20	13°54	16°24	18°28	20°10	8°15	n.a.	S 28
S 29	9 33 48	25♒27'32	11♓15	24♒54	18♒55	21♋18	0♉ 3	23♈48	2♓23	13♌52	16♐25	18♈20	20♈ 7	8♉22	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s59	14s30	3s47	25s17	1s30	24s 5	0s59	25n 3	4n46	24s 6	0s20	6n45	2s 4	12s 5	0s46	18n 9	1n28	27s13	4s 7	8n17	8n35	28s43		n.a.
M 2	20 46	9 3	2 59	25 18	1 35	23 58	1 0	25 9	4 46	24 7	0 20	6 46	2 4	12 4	0 46	18 10	1 28	27 14	4 8	8 14	8 33	28 43		n.a.
T 3	20 34	3 9	2 2	25 18	1 40	23 51	1 2	25 14	4 46	24 8	0 20	6 48	2 4	12 3	0 46	18 10	1 28	27 14	4 8	8 12	8 32	28 43		n.a.
W 4	20 21	2n59	0 58	25 16	1 45	23 42	1 4	25 19	4 46	24 8	0 21	6 49	2 4	12 1	0 46	18 11	1 28	27 14	4 8	8 11	8 31	28 43		n.a.
T 5	20 7	9 8	0n11	25 13	1 49	23 33	1 5	25 24	4 45	24 9	0 21	6 51	2 3	12 0	0 46	18 11	1 28	27 15	4 8	8 11	8 30	28 43		n.a.
F 6	19 54	15 3	1 21	25 8	1 52	23 24	1 7	25 29	4 45	24 10	0 21	6 52	2 3	11 59	0 46	18 12	1 28	27 15	4 8	8 11	8 28	28 43		n.a.
S 7	19 40	20 24	2 28	25 2	1 56	23 13	1 8	25 33	4 45	24 10	0 21	6 54	2 3	11 58	0 46	18 12	1 28	27 15	4 8	8 11	8 27	28 43		n.a.
S 8	19 25	24 45	3 28	24 53	1 59	23 2	1 10	25 37	4 44	24 11	0 21	6 55	2 2	11 57	0 45	18 13	1 28	27 16	4 8	8 10	8 26	28 43		n.a.
M 9	19 11	27 39	4 16	24 43	2 1	22 51	1 11	25 42	4 43	24 11	0 21	6 57	2 2	11 56	0 45	18 13	1 28	27 16	4 9	8 8	8 25	28 43		n.a.
T 10	18 56	28 39	4 49	24 31	2 4	22 38	1 12	25 45	4 43	24 12	0 21	6 59	2 2	11 55	0 45	18 14	1 28	27 16	4 9	8 5	8 24	28 43		n.a.
W11	18 40	27 32	5 1	24 18	2 5	22 25	1 13	25 49	4 42	24 12	0 22	7 0	2 2	11 53	0 45	18 14	1 28	27 17	4 9	8 1	8 22	28 42		n.a.
T 12	18 25	24 24	4 53	24 2	2 6	22 11	1 15	25 53	4 41	24 13	0 22	7 2	2 1	11 52	0 45	18 15	1 28	27 17	4 9	7 57	8 21	28 42		n.a.
F 13	18 9	19 38	4 24	23 45	2 7	21 57	1 16	25 56	4 40	24 13	0 22	7 4	2 1	11 51	0 45	18 15	1 28	27 17	4 9	7 53	8 20	28 42		n.a.
S 14	17 52	13 46	3 38	23 25	2 7	21 42	1 17	25 59	4 38	24 14	0 22	7 6	2 1	11 50	0 45	18 16	1 28	27 17	4 10	7 50	8 19	28 42		n.a.
S 15	17 36	7 19	2 39	23 4	2 7	21 26	1 18	26 2	4 37	24 14	0 22	7 7	2 0	11 49	0 45	18 16	1 28	27 18	4 10	7 48	8 18	28 42		n.a.
M16	17 19	0 42	1 33	22 41	2 7	21 10	1 19	26 4	4 36	24 15	0 22	7 9	2 0	11 47	0 45	18 17	1 28	27 18	4 10	7 46	8 16	28 42		n.a.
T 17	17 2	5s43	0 23	22 16	2 5	20 53	1 19	26 7	4 34	24 15	0 23	7 11	2 0	11 46	0 45	18 17	1 28	27 18	4 10	7 46	8 15	28 42		n.a.
W18	16 44	11 41	0s46	21 48	2 4	20 36	1 20	26 9	4 33	24 15	0 23	7 13	2 0	11 45	0 45	18 18	1 28	27 19	4 10	7 46	8 14	28 41		n.a.
T 19	16 27	17 1	1 50	21 19	2 2	20 17	1 21	26 10	4 31	24 16	0 23	7 15	1 59	11 44	0 45	18 18	1 28	27 19	4 10	7 46	8 13	28 41		n.a.
F 20	16 9	21 32	2 48	20 47	1 59	19 59	1 22	26 12	4 29	24 16	0 23	7 17	1 59	11 43	0 45	18 19	1 28	27 19	4 11	7 46	8 11	28 41		n.a.
S 21	15 51	25 4	3 37	20 14	1 55	19 40	1 22	26 14	4 27	24 16	0 23	7 19	1 59	11 41	0 45	18 19	1 28	27 20	4 11	7 45	8 10	28 41		n.a.
S 22	15 32	27 29	4 17	19 38	1 52	19 20	1 23	26 15	4 25	24 17	0 23	7 21	1 59	11 40	0 45	18 20	1 28	27 20	4 11	7 44	8 9	28 41		n.a.
M23	15 13	28 38	4 45	19 1	1 47	19 0	1 23	26 16	4 23	24 17	0 24	7 23	1 58	11 39	0 45	18 20	1 28	27 20	4 11	7 41	8 8	28 40		n.a.
T 24	14 54	28 28	5 0	18 21	1 42	18 39	1 24	26 16	4 21	24 17	0 24	7 25	1 58	11 38	0 45	18 21	1 28	27 20	4 11	7 38	8 7	28 40		n.a.
W25	14 35	26 59	5 3	17 39	1 37	18 17	1 24	26 17	4 19	24 17	0 24	7 27	1 58	11 36	0 45	18 21	1 28	27 21	4 12	7 34	8 5	28 40		n.a.
T 26	14 16	24 15	4 53	16 55	1 31	17 55	1 25	26 17	4 17	24 18	0 24	7 29	1 58	11 35	0 45	18 22	1 28	27 21	4 12	7 30	8 4	28 40		n.a.
F 27	13 56	20 27	4 29	16 10	1 24	17 33	1 25	26 17	4 15	24 18	0 24	7 31	1 57	11 34	0 45	18 22	1 28	27 21	4 12	7 26	8 3	28 40		n.a.
S 28	13 37	15 44	3 53	15 22	1 17	17 10	1 25	26 17	4 13	24 18	0 24	7 34	1 57	11 33	0 45	18 23	1 28	27 22	4 12	7 22	8 2	28 39		n.a.
S 29	13s17	10s19	3s 5	14s33	1s 9	16s47	1s25	26n17	4n10	24s18	0s25	7n36	1s57	11s31	0s45	18n23	1n28	27s22	4s12	7n19	8n 1	28s39		n.a.

Julian Day Number = 1107468.5, Delta T = 10h56m05s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'36, Lahiri = -27°08'36 Julian Calendar 1 Feb. 1681 BCE == Greg. Calendar 18 Jan. 1681 BCE

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

MARCH 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 37 45	26♒26'08	23♓51	26♒59	20♒ 9	21°R 7	0♉14	23♈53	2♓26	13°R50	16♐26	18°R15	20♈ 4	8♉29	n.a.	M 1
T 2	9 41 41	27°24'43	6♈39	29° 5	21°23	20♋56	0°25	23°59	2°30	13♌49	16°27	18♈12	20° 1	8°35	n.a.	T 2
W 3	9 45 38	28°23'15	19°39	1♓11	22°37	20°46	0°35	24° 4	2°33	13°47	16°27	18°D11	19°58	8°42	n.a.	W 3
T 4	9 49 34	29°21'44	2♉52	3°18	23°51	20°37	0°46	24°10	2°37	13°46	16°28	18°12	19°54	8°49	n.a.	T 4
F 5	9 53 31	0♓20'12	16°21	5°25	25° 5	20°28	0°56	24°15	2°40	13°44	16°29	18°13	19°51	8°56	n.a.	F 5
S 6	9 57 27	1°18'37	0♊ 7	7°31	26°19	20°21	1° 7	24°21	2°43	13°42	16°30	18°R14	19°48	9° 2	n.a.	S 6
S 7	10 1 24	2°17'00	14°10	9°37	27°33	20°14	1°17	24°27	2°47	13°41	16°30	18°13	19°45	9° 9	n.a.	S 7
M 8	10 5 20	3°15'20	28°29	11°42	28°47	20° 8	1°27	24°33	2°50	13°39	16°31	18°11	19°42	9°16	n.a.	M 8
T 9	10 9 17	4°13'39	13♋ 3	13°46	0♓ 1	20° 2	1°37	24°39	2°54	13°38	16°32	18° 7	19°39	9°22	n.a.	T 9
W10	10 13 13	5°11'55	27°47	15°49	1°15	19°58	1°47	24°45	2°57	13°36	16°32	18° 1	19°35	9°29	n.a.	W10
T 11	10 17 10	6°10'08	12♌33	17°49	2°28	19°54	1°57	24°51	3° 1	13°35	16°33	17°55	19°32	9°36	n.a.	T 11
F 12	10 21 7	7° 8'20	27°14	19°48	3°42	19°52	2° 6	24°57	3° 4	13°33	16°34	17°49	19°29	9°43	n.a.	F 12
S 13	10 25 3	8° 6'30	11♍43	21°45	4°56	19°50	2°16	25° 3	3° 7	13°32	16°34	17°43	19°26	9°49	n.a.	S 13
S 14	10 29 0	9° 4'38	25°54	23°38	6°10	19°48	2°25	25°10	3°11	13°30	16°35	17°40	19°23	9°56	n.a.	S 14
M15	10 32 56	10° 2'43	9♎41	25°29	7°24	19°D48	2°35	25°16	3°14	13°29	16°35	17°38	19°20	10° 3	n.a.	M15
T 16	10 36 53	11° 0'48	23° 3	27°17	8°38	19°48	2°44	25°22	3°18	13°28	16°36	17°D38	19°16	10° 9	n.a.	T 16
W17	10 40 49	11°58'50	6♏ 2	29° 1	9°52	19°49	2°53	25°29	3°21	13°26	16°36	17°39	19°13	10°16	n.a.	W17
T 18	10 44 46	12°56'51	18°39	0♈42	11° 6	19°51	3° 2	25°35	3°24	13°25	16°37	17°41	19°10	10°23	n.a.	T 18
F 19	10 48 42	13°54'51	0♐58	2°19	12°20	19°53	3°11	25°42	3°28	13°23	16°37	17°42	19° 7	10°30	n.a.	F 19
S 20	10 52 39	14°52'49	13° 3	3°52	13°33	19°56	3°19	25°48	3°31	13°22	16°37	17°R43	19° 4	10°36	n.a.	S 20
S 21	10 56 36	15°50'45	24°59	5°21	14°47	20° 0	3°28	25°55	3°35	13°21	16°38	17°42	19° 0	10°43	n.a.	S 21
M22	11 0 32	16°48'41	6♉52	6°47	16° 1	20° 5	3°36	26° 2	3°38	13°19	16°38	17°41	18°57	10°50	n.a.	M22
T 23	11 4 29	17°46'34	18°45	8° 8	17°15	20°10	3°44	26° 9	3°41	13°18	16°38	17°37	18°54	10°57	n.a.	T 23
W24	11 8 25	18°44'26	0♒42	9°25	18°29	20°16	3°53	26°15	3°45	13°17	16°39	17°33	18°51	11° 3	n.a.	W24
T 25	11 12 22	19°42'17	12°48	10°37	19°43	20°23	4° 1	26°22	3°48	13°16	16°39	17°29	18°48	11°10	n.a.	T 25
F 26	11 16 18	20°40'06	25° 4	11°46	20°56	20°30	4° 9	26°29	3°51	13°14	16°39	17°24	18°45	11°17	n.a.	F 26
S 27	11 20 15	21°37'53	7♓32	12°50	22°10	20°38	4°16	26°36	3°55	13°13	16°39	17°20	18°41	11°23	n.a.	S 27
S 28	11 24 11	22°35'39	20°14	13°49	23°24	20°47	4°24	26°43	3°58	13°12	16°39	17°17	18°38	11°30	n.a.	S 28
M29	11 28 8	23°33'24	3♈ 9	14°44	24°38	20°56	4°31	26°50	4° 1	13°11	16°39	17°15	18°35	11°37	n.a.	M29
T 30	11 32 4	24°31'06	16°18	15°34	25°52	21° 6	4°39	26°57	4° 4	13°10	16°39	17°D15	18°32	11°44	n.a.	T 30
W31	11 36 1	25♓28'48	29♈40	16♈20	27♓ 5	21♋16	4♉46	27♈ 4	4♓ 8	13♌ 8	16♐40	17♈15	18♈29	11♉50	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	12s56	4s25	2s 7	13s42	1s 1	16s23	1s25	26n17	4n 8	24s18	0s25	7n38	1s57	11s30	0s45	18n24	1n28	27s22	4s12	7n17	7n59	28s39			n.a.
T 2	12 36	1n45	1 2	12 49	0 52	15 59	1 25	26 16	4 5	24 18	0 25	7 40	1 56	11 29	0 45	18 24	1 28	27 23	4 13	7 16	7 58	28 38			n.a.
W 3	12 15	7 57	0n 8	11 55	0 43	15 34	1 25	26 15	4 3	24 19	0 25	7 43	1 56	11 28	0 45	18 24	1 28	27 23	4 13	7 16	7 57	28 38			n.a.
T 4	11 55	13 55	1 18	11 0	0 33	15 9	1 25	26 14	4 1	24 19	0 25	7 45	1 56	11 26	0 45	18 25	1 28	27 23	4 13	7 16	7 56	28 38			n.a.
F 5	11 34	19 22	2 26	10 3	0 23	14 44	1 25	26 13	3 58	24 19	0 25	7 47	1 56	11 25	0 45	18 25	1 28	27 23	4 13	7 17	7 54	28 38			n.a.
S 6	11 13	23 55	3 26	9 6	0 12	14 18	1 25	26 12	3 55	24 19	0 26	7 50	1 56	11 24	0 45	18 26	1 28	27 24	4 13	7 17	7 53	28 37			n.a.
S 7	10 51	27 10	4 16	8 8	0 1	13 52	1 24	26 10	3 53	24 19	0 26	7 52	1 55	11 23	0 45	18 26	1 28	27 24	4 14	7 17	7 52	28 37			n.a.
M 8	10 30	28 44	4 51	7 10	0n10	13 26	1 24	26 9	3 50	24 19	0 26	7 54	1 55	11 21	0 45	18 27	1 28	27 24	4 14	7 16	7 51	28 37			n.a.
T 9	10 9	28 20	5 7	6 11	0 21	12 59	1 23	26 7	3 48	24 19	0 26	7 57	1 55	11 20	0 45	18 27	1 28	27 24	4 14	7 14	7 50	28 36			n.a.
W10	9 47	25 57	5 4	5 12	0 32	12 31	1 23	26 5	3 45	24 19	0 26	7 59	1 55	11 19	0 45	18 28	1 28	27 25	4 14	7 12	7 48	28 36			n.a.
T 11	9 25	21 50	4 41	4 14	0 43	12 4	1 22	26 3	3 43	24 19	0 27	8 2	1 54	11 18	0 45	18 28	1 28	27 25	4 14	7 9	7 47	28 36			n.a.
F 12	9 3	16 23	3 59	3 17	0 55	11 36	1 22	26 1	3 40	24 19	0 27	8 4	1 54	11 16	0 45	18 29	1 28	27 25	4 15	7 7	7 46	28 35			n.a.
S 13	8 41	10 6	3 2	2 20	1 6	11 8	1 21	25 59	3 37	24 19	0 27	8 7	1 54	11 15	0 45	18 29	1 28	27 25	4 15	7 5	7 45	28 35			n.a.
S 14	8 19	3 25	1 55	1 24	1 17	10 39	1 20	25 56	3 35	24 19	0 27	8 9	1 54	11 14	0 45	18 29	1 28	27 26	4 15	7 4	7 43	28 34			n.a.
M15	7 57	3s15	0 43	0 30	1 27	10 11	1 19	25 54	3 32	24 19	0 27	8 12	1 54	11 13	0 45	18 30	1 28	27 26	4 15	7 3	7 42	28 34			n.a.
T 16	7 34	9 35	0s30	0n23	1 37	9 42	1 19	25 51	3 29	24 19	0 28	8 14	1 53	11 11	0 45	18 30	1 28	27 26	4 15	7 3	7 41	28 34			n.a.
W17	7 12	15 20	1 39	1 14	1 47	9 13	1 18	25 48	3 27	24 19	0 28	8 17	1 53	11 10	0 45	18 31	1 28	27 26	4 16	7 3	7 40	28 33			n.a.
T 18	6 49	20 16	2 41	2 3	1 56	8 43	1 17	25 45	3 24	24 19	0 28	8 19	1 53	11 9	0 45	18 31	1 28	27 27	4 16	7 4	7 39	28 33			n.a.
F 19	6 27	24 14	3 34	2 51	2 5	8 13	1 16	25 42	3 21	24 19	0 28	8 22	1 53	11 8	0 45	18 31	1 28	27 27	4 16	7 4	7 37	28 32			n.a.
S 20	6 4	27 2	4 17	3 36	2 13	7 44	1 15	25 39	3 19	24 19	0 28	8 25	1 53	11 6	0 45	18 32	1 28	27 27	4 16	7 5	7 36	28 32			n.a.
S 21	5 41	28 36	4 48	4 19	2 21	7 14	1 13	25 36	3 16	24 19	0 29	8 27	1 52	11 5	0 45	18 32	1 28	27 27	4 16	7 5	7 35	28 31			n.a.
M22	5 18	28 49	5 7	4 59	2 27	6 43	1 12	25 33	3 14	24 19	0 29	8 30	1 52	11 4	0 45	18 33	1 28	27 28	4 17	7 4	7 34	28 31			n.a.
T 23	4 55	27 42	5 12	5 38	2 34	6 13	1 11	25 30	3 11	24 19	0 29	8 33	1 52	11 3	0 45	18 33	1 28	27 28	4 17	7 3	7 32	28 31			n.a.
W24	4 32	25 19	5 4	6 13	2 39	5 42	1 10	25 26	3 9	24 19	0 29	8 35	1 52	11 1	0 45	18 33	1 28	27 28	4 17	7 1	7 31	28 30			n.a.
T 25	4 9	21 47	4 42	6 47	2 43	5 11	1 8	25 23	3 6	24 19	0 29	8 38	1 52	11 0	0 45	18 34	1 28	27 28	4 17	6 59	7 30	28 30			n.a.
F 26	3 46	17 17	4 8	7 17	2 47	4 41	1 7	25 19	3 3	24 19	0 30	8 41	1 52	10 59	0 45	18 34	1 28	27 29	4 17	6 57	7 29	28 29			n.a.
S 27	3 23	12 0	3 21	7 45	2 50	4 10	1 5	25 15	3 1	24 19	0 30	8 43	1 51	10 58	0 45	18 34	1 28	27 29	4 18	6 56	7 27	28 29			n.a.
S 28	3 0	6 7	2 23	8 10	2 51	3 39	1 4	25 11	2 58	24 19	0 30	8 46	1 51	10 57	0 45	18 35	1 28	27 29	4 18	6 55	7 26	28 28			n.a.
M29	2 36	0n 7	1 17	8 33	2 52	3 7	1 2	25 7	2 56	24 19	0 30	8 49	1 51	10 55	0 45	18 35	1 28	27 29	4 18	6 54	7 25	28 28			n.a.
T 30	2 13	6 27	0 5	8 53	2 52	2 36	1 1	25 3	2 53	24 19	0 30	8 52	1 51	10 54	0 45	18 35	1 28	27 29	4 18	6 54	7 24	28 27			n.a.
W31	1s50	12n37	1n 8	9n10	2n51	2s 5	0s59	24n59	2n51	24s19	0s31	8n54	1s51	10s53	0s45	18n36	1n28	27s30	4s18	6n54	7n23	28s27			n.a.

Julian Day Number = 1107497.5, Delta T = 10h56m03s
Ecliptic obliquity = 23°53'35, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'32, Lahiri = -27°08'32 Julian Calendar 1 March 1681 BCE == Greg. Calendar 16 Feb. 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

APRIL 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 39 58	26♓26'27	13♉14	17♈ 0	28♓19	21♋28	4♑53	27♈12	4♓11	13°R 7	16♐40	17♈16	18♈26	11♑57	n.a.	T 1
F 2	11 43 54	27°24'05	27° 0	17°36	29°33	21°39	5° 0	27°19	4°14	13♌ 6	16°R40	17°17	18°22	12° 4	n.a.	F 2
S 3	11 47 51	28°21'41	10♊56	18° 8	0♈47	21°52	5° 6	27°26	4°17	13° 5	16°40	17°19	18°19	12°11	n.a.	S 3
S 4	11 51 47	29°19'16	25° 2	18°34	2° 0	22° 5	5°13	27°33	4°20	13° 4	16°39	17°R19	18°16	12°17	n.a.	S 4
M 5	11 55 44	0♈16'49	9♋15	18°56	3°14	22°18	5°19	27°41	4°24	13° 3	16°39	17°19	18°13	12°24	n.a.	M 5
T 6	11 59 40	1°14'20	23°34	19°12	4°28	22°32	5°26	27°48	4°27	13° 2	16°39	17°18	18°10	12°31	n.a.	T 6
W 7	12 3 37	2°11'50	7♌55	19°24	5°42	22°47	5°32	27°55	4°30	13° 1	16°39	17°17	18° 6	12°37	n.a.	W 7
T 8	12 7 33	3° 9'17	22°14	19°30	6°55	23° 2	5°38	28° 3	4°33	13° 0	16°39	17°15	18° 3	12°44	n.a.	T 8
F 9	12 11 30	4° 6'44	6♍27	19°R32	8° 9	23°17	5°44	28°10	4°36	12°59	16°39	17°13	18° 0	12°51	n.a.	F 9
S 10	12 15 27	5° 4'09	20°30	19°30	9°23	23°33	5°49	28°18	4°39	12°58	16°39	17°12	17°57	12°58	n.a.	S 10
S 11	12 19 23	6° 1'32	4♎19	19°23	10°36	23°50	5°55	28°25	4°42	12°58	16°38	17°11	17°54	13° 4	n.a.	S 11
M12	12 23 20	6°58'55	17°50	19°11	11°50	24° 7	6° 0	28°33	4°45	12°57	16°38	17°D11	17°51	13°11	n.a.	M12
T 13	12 27 16	7°56'16	1♏ 3	18°55	13° 4	24°25	6° 5	28°40	4°48	12°56	16°38	17°11	17°47	13°18	n.a.	T 13
W14	12 31 13	8°53'37	13°56	18°36	14°17	24°43	6°10	28°48	4°51	12°55	16°37	17°12	17°44	13°24	n.a.	W14
T 15	12 35 9	9°50'56	26°31	18°13	15°31	25° 1	6°15	28°56	4°54	12°54	16°37	17°12	17°41	13°31	n.a.	T 15
F 16	12 39 6	10°48'15	8♐51	17°47	16°45	25°20	6°20	29° 3	4°57	12°54	16°37	17°13	17°38	13°38	n.a.	F 16
S 17	12 43 2	11°45'33	20°58	17°19	17°58	25°39	6°24	29°11	5° 0	12°53	16°36	17°14	17°35	13°45	n.a.	S 17
S 18	12 46 59	12°42'50	2♑56	16°48	19°12	25°59	6°28	29°19	5° 3	12°52	16°36	17°14	17°31	13°51	n.a.	S 18
M19	12 50 56	13°40'06	14°50	16°16	20°26	26°19	6°33	29°26	5° 6	12°52	16°36	17°R14	17°28	13°58	n.a.	M19
T 20	12 54 52	14°37'22	26°44	15°43	21°39	26°40	6°36	29°34	5° 9	12°51	16°35	17°14	17°25	14° 5	n.a.	T 20
W21	12 58 49	15°34'37	8♒43	15° 9	22°53	27° 1	6°40	29°42	5°11	12°51	16°35	17°14	17°22	14°12	n.a.	W21
T 22	13 2 45	16°31'51	20°51	14°35	24° 6	27°22	6°44	29°50	5°14	12°50	16°34	17°14	17°19	14°18	n.a.	T 22
F 23	13 6 42	17°29'05	3♓12	14° 2	25°20	27°44	6°47	29°57	5°17	12°50	16°33	17°D14	17°16	14°25	n.a.	F 23
S 24	13 10 38	18°26'18	15°49	13°31	26°34	28° 6	6°51	0♉ 5	5°20	12°49	16°33	17°14	17°12	14°32	n.a.	S 24
S 25	13 14 35	19°23'31	28°43	13° 1	27°47	28°29	6°54	0°13	5°22	12°49	16°32	17°14	17° 9	14°38	n.a.	S 25
M26	13 18 31	20°20'42	11♈56	12°34	29° 1	28°52	6°56	0°21	5°25	12°48	16°32	17°R14	17° 6	14°45	n.a.	M26
T 27	13 22 28	21°17'53	25°27	12° 9	0♉14	29°15	6°59	0°29	5°28	12°48	16°31	17°14	17° 3	14°52	n.a.	T 27
W28	13 26 25	22°15'04	9♉14	11°47	1°28	29°39	7° 2	0°36	5°30	12°47	16°30	17°14	17° 0	14°59	n.a.	W28
T 29	13 30 21	23°12'14	23°15	11°29	2°42	0♌ 3	7° 4	0°44	5°33	12°47	16°30	17°13	16°57	15° 5	n.a.	T 29
F 30	13 34 18	24♈ 9'23	7♊26	11♈15	3♉55	0♌27	7♑ 6	0♉52	5♓35	12♌47	16♐29	17♈13	16♈53	15♑12	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s26	18n18	2n18	9n24	2n49	1s33	0s57	24n55	2n48	24s19	0s31	8n57	1s51	10s52	0s45	18n36	1n28	27s30	4s19	6n54	7n21	28s26		n.a.
F 2	1 3	23 7	3 22	9 35	2 46	1 2	0 56	24 51	2 46	24 19	0 31	9 0	1 50	10 51	0 45	18 36	1 28	27 30	4 19	6 55	7 20	28 26		n.a.
S 3	0 40	26 42	4 14	9 43	2 42	0 30	0 54	24 46	2 44	24 19	0 31	9 3	1 50	10 49	0 45	18 36	1 28	27 30	4 19	6 55	7 19	28 25		n.a.
S 4	0 16	28 39	4 52	9 49	2 37	0n 1	0 52	24 42	2 41	24 19	0 32	9 5	1 50	10 48	0 45	18 37	1 28	27 30	4 19	6 56	7 18	28 24		n.a.
M 5	0n 7	28 45	5 12	9 52	2 30	0 33	0 50	24 37	2 39	24 19	0 32	9 8	1 50	10 47	0 45	18 37	1 28	27 31	4 19	6 55	7 16	28 24		n.a.
T 6	0 30	26 56	5 13	9 51	2 23	1 4	0 48	24 32	2 37	24 19	0 32	9 11	1 50	10 46	0 45	18 37	1 28	27 31	4 20	6 55	7 15	28 23		n.a.
W 7	0 53	23 23	4 55	9 48	2 15	1 36	0 46	24 28	2 34	24 19	0 32	9 14	1 50	10 45	0 45	18 37	1 28	27 31	4 20	6 55	7 14	28 23		n.a.
T 8	1 17	18 25	4 19	9 42	2 5	2 7	0 44	24 23	2 32	24 19	0 32	9 17	1 50	10 44	0 45	18 38	1 28	27 31	4 20	6 54	7 13	28 22		n.a.
F 9	1 40	12 30	3 26	9 33	1 54	2 39	0 42	24 18	2 30	24 19	0 33	9 19	1 49	10 42	0 45	18 38	1 28	27 31	4 20	6 53	7 11	28 21		n.a.
S 10	2 3	6 0	2 22	9 21	1 43	3 10	0 40	24 13	2 27	24 19	0 33	9 22	1 49	10 41	0 45	18 38	1 28	27 32	4 20	6 53	7 10	28 21		n.a.
S 11	2 26	0s40	1 11	9 7	1 30	3 42	0 38	24 7	2 25	24 19	0 33	9 25	1 49	10 40	0 45	18 38	1 28	27 32	4 21	6 52	7 9	28 20		n.a.
M12	2 49	7 11	0s 4	8 50	1 17	4 13	0 36	24 2	2 23	24 19	0 33	9 28	1 49	10 39	0 46	18 39	1 28	27 32	4 21	6 52	7 8	28 20		n.a.
T 13	3 12	13 14	1 16	8 31	1 3	4 44	0 34	23 57	2 21	24 19	0 34	9 31	1 49	10 38	0 46	18 39	1 28	27 32	4 21	6 52	7 6	28 19		n.a.
W14	3 35	18 35	2 23	8 9	0 48	5 15	0 32	23 51	2 18	24 19	0 34	9 34	1 49	10 37	0 46	18 39	1 28	27 32	4 21	6 53	7 5	28 18		n.a.
T 15	3 58	23 0	3 21	7 46	0 32	5 46	0 30	23 46	2 16	24 19	0 34	9 37	1 49	10 36	0 46	18 39	1 28	27 32	4 21	6 53	7 4	28 18		n.a.
F 16	4 21	26 17	4 8	7 21	0 16	6 17	0 27	23 40	2 14	24 19	0 34	9 39	1 49	10 35	0 46	18 39	1 27	27 33	4 22	6 53	7 3	28 17		n.a.
S 17	4 44	28 18	4 44	6 55	0s 1	6 48	0 25	23 34	2 12	24 19	0 35	9 42	1 48	10 34	0 46	18 40	1 27	27 33	4 22	6 53	7 2	28 16		n.a.
S 18	5 7	28 58	5 7	6 27	0 18	7 18	0 23	23 28	2 10	24 19	0 35	9 45	1 48	10 33	0 46	18 40	1 27	27 33	4 22	6 53	7 0	28 16		n.a.
M19	5 30	28 17	5 16	5 59	0 35	7 49	0 21	23 23	2 8	24 19	0 35	9 48	1 48	10 32	0 46	18 40	1 27	27 33	4 22	6 54	6 59	28 15		n.a.
T 20	5 52	26 18	5 12	5 30	0 52	8 19	0 18	23 16	2 6	24 19	0 35	9 51	1 48	10 31	0 46	18 40	1 27	27 33	4 22	6 53	6 58	28 14		n.a.
W21	6 15	23 9	4 55	5 2	1 8	8 49	0 16	23 10	2 4	24 19	0 36	9 54	1 48	10 30	0 46	18 40	1 27	27 33	4 23	6 53	6 57	28 14		n.a.
T 22	6 37	18 58	4 24	4 33	1 25	9 19	0 14	23 4	2 2	24 19	0 36	9 57	1 48	10 28	0 46	18 40	1 27	27 33	4 23	6 53	6 55	28 13		n.a.
F 23	6 59	13 56	3 40	4 6	1 41	9 48	0 11	22 58	2 0	24 19	0 36	9 59	1 48	10 27	0 46	18 40	1 27	27 34	4 23	6 53	6 54	28 12		n.a.
S 24	7 22	8 14	2 45	3 39	1 56	10 18	0 9	22 51	1 58	24 19	0 36	10 2	1 48	10 26	0 46	18 40	1 27	27 34	4 23	6 53	6 53	28 11		n.a.
S 25	7 44	2 3	1 41	3 14	2 11	10 47	0 6	22 44	1 56	24 19	0 37	10 5	1 48	10 26	0 46	18 41	1 27	27 34	4 23	6 53	6 52	28 11		n.a.
M26	8 6	4n21	0 29	2 51	2 24	11 16	0 4	22 38	1 54	24 19	0 37	10 8	1 47	10 25	0 46	18 41	1 27	27 34	4 24	6 54	6 50	28 10		n.a.
T 27	8 28	10 43	0n45	2 29	2 37	11 45	0 2	22 31	1 52	24 19	0 37	10 11	1 47	10 24	0 46	18 41	1 27	27 34	4 24	6 54	6 49	28 9		n.a.
W28	8 49	16 43	1 59	2 10	2 49	12 13	0n 1	22 24	1 50	24 19	0 37	10 14	1 47	10 23	0 46	18 41	1 27	27 34	4 24	6 53	6 48	28 8		n.a.
T 29	9 11	21 56	3 6	1 53	2 59	12 41	0 3	22 17	1 48	24 20	0 38	10 17	1 47	10 22	0 46	18 41	1 27	27 34	4 24	6 53	6 47	28 8		n.a.
F 30	9n32	25n58	4n 3	1n39	3s 9	13n 9	0n 6	22n 9	1n46	24s20	0s38	10n19	1s47	10s21	0s46	18n41	1n27	27s34	4s24	6n53	6n45	28s 7		n.a.

Julian Day Number = 1107528.5, Delta T = 10h56m01s
Ecliptic obliquity = 23°53'35, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'28, Lahiri = -27°08'27 Julian Calendar 1 Apr. 1681 BCE == Greg. Calendar 18 March 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

MAY 1681 BCE (-1680) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 38 14	25♈ 6'31	21♊44	11°R 5	5♉ 9	0♌52	7♎ 8	1♉ 0	5♓38	12°R47	16°R28	17°R12	16♈50	15♎19	n.a.	S 1
S 2	13 42 11	26° 3'39	6♋ 3	10♈59	6°22	1°17	7°10	1° 8	5°40	12♌46	16♐27	17♈11	16°47	15°26	n.a.	S 2
M 3	13 46 7	27° 0'45	20°20	10°D57	7°36	1°42	7°11	1°16	5°43	12°46	16°27	17°D11	16°44	15°32	n.a.	M 3
T 4	13 50 4	27°57'51	4♌34	11° 0	8°49	2° 8	7°13	1°24	5°45	12°46	16°26	17°11	16°41	15°39	n.a.	T 4
W 5	13 54 1	28°54'56	18°40	11° 7	10° 3	2°34	7°14	1°32	5°47	12°46	16°25	17°11	16°37	15°46	n.a.	W 5
T 6	13 57 57	29°52'01	2♍37	11°19	11°17	3° 0	7°15	1°40	5°50	12°46	16°24	17°12	16°34	15°52	n.a.	T 6
F 7	14 1 54	0♉49'04	16°25	11°36	12°30	3°27	7°16	1°48	5°52	12°46	16°23	17°13	16°31	15°59	n.a.	F 7
S 8	14 5 50	1°46'07	0♎ 0	11°57	13°44	3°54	7°16	1°55	5°54	12°46	16°22	17°14	16°28	16° 6	n.a.	S 8
S 9	14 9 47	2°43'10	13°23	12°23	14°57	4°21	7°17	2° 3	5°56	12°D46	16°22	17°R14	16°25	16°13	n.a.	S 9
M10	14 13 43	3°40'12	26°33	12°53	16°11	4°48	7°17	2°11	5°59	12°46	16°21	17°14	16°22	16°19	n.a.	M10
T 11	14 17 40	4°37'14	9♏28	13°28	17°24	5°16	7°R17	2°19	6° 1	12°46	16°20	17°13	16°18	16°26	n.a.	T 11
W12	14 21 36	5°34'16	22° 9	14° 7	18°38	5°44	7°17	2°27	6° 3	12°46	16°19	17°11	16°15	16°33	n.a.	W12
T 13	14 25 33	6°31'18	4♐37	14°51	19°51	6°12	7°17	2°35	6° 5	12°46	16°18	17° 9	16°12	16°39	n.a.	T 13
F 14	14 29 30	7°28'20	16°52	15°39	21° 5	6°41	7°16	2°43	6° 7	12°46	16°17	17° 6	16° 9	16°46	n.a.	F 14
S 15	14 33 26	8°25'22	28°57	16°31	22°18	7°10	7°16	2°51	6° 9	12°46	16°16	17° 3	16° 6	16°53	n.a.	S 15
S 16	14 37 23	9°22'24	10♑54	17°27	23°32	7°39	7°15	2°59	6°11	12°47	16°15	17° 0	16° 3	17° 0	n.a.	S 16
M17	14 41 19	10°19'26	22°48	18°28	24°45	8° 8	7°14	3° 7	6°13	12°47	16°14	16°58	15°59	17° 6	n.a.	M17
T 18	14 45 16	11°16'29	4♒42	19°32	25°59	8°38	7°12	3°14	6°15	12°47	16°12	16°56	15°56	17°13	n.a.	T 18
W19	14 49 12	12°13'32	16°40	20°41	27°12	9° 7	7°11	3°22	6°17	12°47	16°11	16°D56	15°53	17°20	n.a.	W19
T 20	14 53 9	13°10'35	28°47	21°53	28°25	9°37	7° 9	3°30	6°18	12°48	16°10	16°57	15°50	17°27	n.a.	T 20
F 21	14 57 6	14° 7'38	11♓ 9	23°10	29°39	10° 8	7° 7	3°38	6°20	12°48	16° 9	16°59	15°47	17°33	n.a.	F 21
S 22	15 1 2	15° 4'42	23°48	24°30	0♊52	10°38	7° 5	3°46	6°22	12°49	16° 8	17° 0	15°43	17°40	n.a.	S 22
S 23	15 4 59	16° 1'46	6♈49	25°54	2° 6	11° 9	7° 3	3°54	6°23	12°49	16° 7	17° 1	15°40	17°47	n.a.	S 23
M24	15 8 55	16°58'51	20°13	27°21	3°19	11°40	7° 1	4° 1	6°25	12°49	16° 6	17°R 2	15°37	17°53	n.a.	M24
T 25	15 12 52	17°55'56	4♉ 0	28°53	4°33	12°11	6°58	4° 9	6°27	12°50	16° 4	17° 1	15°34	18° 0	n.a.	T 25
W26	15 16 48	18°53'01	18°10	0♋27	5°46	12°42	6°55	4°17	6°28	12°50	16° 3	16°58	15°31	18° 7	n.a.	W26
T 27	15 20 45	19°50'07	2♊37	2° 6	7° 0	13°14	6°52	4°25	6°30	12°51	16° 2	16°54	15°28	18°14	n.a.	T 27
F 28	15 24 41	20°47'13	17°15	3°48	8°13	13°46	6°49	4°32	6°31	12°52	16° 1	16°50	15°24	18°20	n.a.	F 28
S 29	15 28 38	21°44'20	1♋58	5°33	9°27	14°18	6°46	4°40	6°33	12°52	16° 0	16°45	15°21	18°27	n.a.	S 29
S 30	15 32 35	22°41'26	16°39	7°21	10°40	14°50	6°42	4°48	6°34	12°53	15°58	16°40	15°18	18°34	n.a.	S 30
M31	15 36 31	23♉38'33	1♌10	9♉12	11♊53	15♌23	6♎38	4♉55	6♓35	12♌54	15♐57	16♈37	15♈15	18♎41	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	9n54	28n23	4n46	1n27	3s17	13n37	0n 8	22n 2	1n44	24s20	0s38	10n22	1s47	10s20	0s46	18n41	1n27	27s34	4s25	6n53	6n44	28s 6		n.a.	
S 2	10 15	28 55	5 10	1 18	3 24	14 4	0 10	21 55	1 42	24 20	0 38	10 25	1 47	10 19	0 46	18 41	1 27	27 35	4 25	6 52	6 43	28 5		n.a.	
M 3	10 36	27 31	5 16	1 12	3 30	14 31	0 13	21 47	1 40	24 20	0 39	10 28	1 47	10 18	0 46	18 41	1 27	27 35	4 25	6 52	6 42	28 5		n.a.	
T 4	10 57	24 21	5 2	1 8	3 35	14 57	0 15	21 39	1 38	24 20	0 39	10 31	1 47	10 17	0 46	18 41	1 27	27 35	4 25	6 52	6 40	28 4		n.a.	
W 5	11 18	19 47	4 30	1 8	3 39	15 23	0 18	21 32	1 37	24 21	0 39	10 34	1 47	10 16	0 46	18 41	1 27	27 35	4 25	6 52	6 39	28 3		n.a.	
T 6	11 38	14 11	3 42	1 11	3 41	15 49	0 20	21 24	1 35	24 21	0 39	10 37	1 47	10 15	0 46	18 41	1 27	27 35	4 25	6 53	6 38	28 2		n.a.	
F 7	11 59	7 57	2 42	1 16	3 43	16 14	0 22	21 16	1 33	24 21	0 40	10 39	1 47	10 15	0 46	18 41	1 27	27 35	4 26	6 53	6 37	28 1		n.a.	
S 8	12 19	1 26	1 34	1 24	3 43	16 39	0 25	21 7	1 31	24 21	0 40	10 42	1 47	10 14	0 46	18 41	1 27	27 35	4 26	6 53	6 36	28 0		n.a.	
S 9	12 39	5s 3	0 21	1 35	3 42	17 4	0 27	20 59	1 30	24 21	0 40	10 45	1 47	10 13	0 46	18 41	1 27	27 35	4 26	6 54	6 34	28 0		n.a.	
M10	12 59	11 13	0s51	1 48	3 41	17 28	0 30	20 51	1 28	24 22	0 40	10 48	1 46	10 12	0 46	18 41	1 27	27 35	4 26	6 54	6 33	27 59		n.a.	
T 11	13 18	16 48	1 59	2 4	3 38	17 51	0 32	20 42	1 26	24 22	0 41	10 51	1 46	10 11	0 46	18 41	1 27	27 35	4 26	6 53	6 32	27 58		n.a.	
W12	13 38	21 33	3 1	2 23	3 35	18 14	0 34	20 33	1 24	24 22	0 41	10 53	1 46	10 11	0 46	18 41	1 27	27 35	4 26	6 52	6 31	27 57		n.a.	
T 13	13 57	25 15	3 52	2 44	3 30	18 37	0 36	20 25	1 23	24 23	0 41	10 56	1 46	10 10	0 46	18 41	1 27	27 35	4 27	6 51	6 29	27 56		n.a.	
F 14	14 16	27 44	4 32	3 7	3 25	18 59	0 39	20 16	1 21	24 23	0 42	10 59	1 46	10 9	0 46	18 41	1 26	27 35	4 27	6 50	6 28	27 55		n.a.	
S 15	14 35	28 52	4 58	3 33	3 19	19 21	0 41	20 7	1 19	24 23	0 42	11 2	1 46	10 9	0 46	18 41	1 26	27 36	4 27	6 49	6 27	27 54		n.a.	
S 16	14 53	28 37	5 12	4 1	3 13	19 42	0 43	19 57	1 18	24 23	0 42	11 5	1 46	10 8	0 46	18 40	1 26	27 36	4 27	6 48	6 26	27 53		n.a.	
M17	15 12	27 3	5 12	4 31	3 5	20 3	0 45	19 48	1 16	24 24	0 42	11 7	1 46	10 7	0 46	18 40	1 26	27 36	4 27	6 47	6 24	27 52		n.a.	
T 18	15 30	24 17	4 59	5 3	2 58	20 23	0 48	19 39	1 15	24 24	0 43	11 10	1 46	10 6	0 46	18 40	1 26	27 36	4 27	6 47	6 23	27 52		n.a.	
W19	15 48	20 28	4 33	5 37	2 49	20 43	0 50	19 29	1 13	24 24	0 43	11 13	1 46	10 6	0 46	18 40	1 26	27 36	4 28	6 47	6 22	27 51		n.a.	
T 20	16 5	15 46	3 54	6 13	2 40	21 2	0 52	19 19	1 11	24 25	0 43	11 16	1 46	10 5	0 47	18 40	1 26	27 36	4 28	6 47	6 21	27 50		n.a.	
F 21	16 23	10 21	3 4	6 51	2 30	21 20	0 54	19 9	1 10	24 25	0 43	11 18	1 46	10 5	0 47	18 40	1 26	27 36	4 28	6 48	6 19	27 49		n.a.	
S 22	16 40	4 24	2 4	7 30	2 20	21 38	0 56	19 0	1 8	24 26	0 44	11 21	1 46	10 4	0 47	18 40	1 26	27 36	4 28	6 48	6 18	27 48		n.a.	
S 23	16 57	1n54	0 56	8 11	2 10	21 55	0 58	18 49	1 7	24 26	0 44	11 24	1 46	10 3	0 47	18 39	1 26	27 36	4 28	6 49	6 17	27 47		n.a.	
M24	17 13	8 19	0n17	8 53	1 59	22 12	1 0	18 39	1 5	24 26	0 44	11 26	1 46	10 3	0 47	18 39	1 26	27 36	4 28	6 49	6 16	27 46		n.a.	
T 25	17 30	14 31	1 31	9 37	1 47	22 28	1 2	18 29	1 4	24 27	0 45	11 29	1 46	10 2	0 47	18 39	1 26	27 36	4 28	6 48	6 14	27 45		n.a.	
W26	17 46	20 9	2 42	10 21	1 36	22 43	1 4	18 18	1 2	24 27	0 45	11 32	1 46	10 2	0 47	18 39	1 26	27 36	4 29	6 47	6 13	27 44		n.a.	
T 27	18 2	24 43	3 43	11 7	1 24	22 58	1 6	18 8	1 1	24 28	0 45	11 34	1 46	10 1	0 47	18 39	1 26	27 36	4 29	6 46	6 12	27 43		n.a.	
F 28	18 17	27 45	4 31	11 53	1 12	23 12	1 8	17 57	0 59	24 28	0 45	11 37	1 46	10 1	0 47	18 38	1 26	27 36	4 29	6 44	6 11	27 42		n.a.	
S 29	18 33	28 53	5 0	12 40	1 0	23 26	1 9	17 46	0 58	24 28	0 46	11 40	1 46	10 0	0 47	18 38	1 26	27 36	4 29	6 42	6 9	27 41		n.a.	
S 30	18 48	27 58	5 11	13 28	0 48	23 39	1 11	17 35	0 56	24 29	0 46	11 42	1 46	10 0	0 47	18 38	1 26	27 36	4 29	6 40	6 8	27 40		n.a.	
M31	19n 2	25n10	5n 1	14n16	0s36	23n51	1n13	17n24	0n55	24s29	0s46	11n45	1s46	9s59	0s47	18n38	1n26	27s36	4s29	6n39	6n 7	27s39		n.a.	

Julian Day Number = 1107558.5, Delta T = 10h55m59s
Ecliptic obliquity = 23°53'35, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'24, Lahiri = -27°08'23 Julian Calendar 1 May 1681 BCE == Greg. Calendar 17 Apr. 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

JUNE 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 40 28	24♉35'40	15♌28	11♉ 6	13♊ 7	15♌55	6°R35	5♉ 3	6♓36	12♌54	15°R56	16°R35	15♈12	18♑47	n.a.	T 1
W 2	15 44 24	25°32'47	29°30	13° 3	14°20	16°28	6♑31	5°11	6°38	12°55	15♐55	16°D35	15° 8	18°54	n.a.	W 2
T 3	15 48 21	26°29'54	13♍16	15° 2	15°34	17° 1	6°26	5°18	6°39	12°56	15°53	16♈36	15° 5	19° 1	n.a.	T 3
F 4	15 52 17	27°27'02	26°45	17° 3	16°47	17°34	6°22	5°26	6°40	12°57	15°52	16°37	15° 2	19° 7	n.a.	F 4
S 5	15 56 14	28°24'10	9♎59	19° 6	18° 0	18° 8	6°17	5°33	6°41	12°58	15°51	16°R38	14°59	19°14	n.a.	S 5
S 6	16 0 11	29°21'18	22°59	21°10	19°14	18°41	6°13	5°41	6°42	12°58	15°49	16°38	14°56	19°21	n.a.	S 6
M 7	16 4 7	0♊18'27	5♏47	23°16	20°27	19°15	6° 8	5°48	6°43	12°59	15°48	16°37	14°53	19°28	n.a.	M 7
T 8	16 8 4	1°15'37	18°24	25°22	21°40	19°49	6° 3	5°56	6°44	13° 0	15°47	16°33	14°49	19°34	n.a.	T 8
W 9	16 12 0	2°12'47	0♐50	27°29	22°54	20°23	5°58	6° 3	6°45	13° 1	15°45	16°27	14°46	19°41	n.a.	W 9
T 10	16 15 57	3° 9'58	13° 7	29°36	24° 7	20°58	5°52	6°10	6°46	13° 2	15°44	16°20	14°43	19°48	n.a.	T 10
F 11	16 19 53	4° 7'10	25°15	1♊44	25°20	21°32	5°47	6°18	6°47	13° 3	15°43	16°11	14°40	19°55	n.a.	F 11
S 12	16 23 50	5° 4'23	7♑15	3°51	26°34	22° 7	5°41	6°25	6°47	13° 4	15°41	16° 2	14°37	20° 1	n.a.	S 12
S 13	16 27 47	6° 1'37	19°10	5°57	27°47	22°41	5°35	6°32	6°48	13° 5	15°40	15°54	14°34	20° 8	n.a.	S 13
M14	16 31 43	6°58'52	1♒ 2	8° 3	29° 0	23°16	5°29	6°39	6°49	13° 7	15°38	15°47	14°30	20°15	n.a.	M14
T 15	16 35 40	7°56'08	12°54	10° 8	0♋14	23°52	5°23	6°47	6°49	13° 8	15°37	15°42	14°27	20°21	n.a.	T 15
W16	16 39 36	8°53'26	24°51	12°12	1°27	24°27	5°17	6°54	6°50	13° 9	15°36	15°38	14°24	20°28	n.a.	W16
T 17	16 43 33	9°50'44	6♓56	14°15	2°40	25° 2	5°11	7° 1	6°50	13°10	15°34	15°D37	14°21	20°35	n.a.	T 17
F 18	16 47 29	10°48'04	19°14	16°17	3°53	25°38	5° 5	7° 8	6°51	13°11	15°33	15°38	14°18	20°42	n.a.	F 18
S 19	16 51 26	11°45'25	1♈51	18°17	5° 7	26°14	4°58	7°15	6°51	13°13	15°32	15°38	14°14	20°48	n.a.	S 19
S 20	16 55 22	12°42'48	14°51	20°16	6°20	26°50	4°51	7°22	6°52	13°14	15°30	15°R39	14°11	20°55	n.a.	S 20
M21	16 59 19	13°40'12	28°17	22°13	7°33	27°26	4°45	7°29	6°52	13°15	15°29	15°38	14° 8	21° 2	n.a.	M21
T 22	17 3 16	14°37'37	12♉12	24° 9	8°46	28° 2	4°38	7°36	6°52	13°16	15°27	15°36	14° 5	21° 8	n.a.	T 22
W23	17 7 12	15°35'04	26°33	26° 3	10° 0	28°38	4°31	7°43	6°52	13°18	15°26	15°31	14° 2	21°15	n.a.	W23
T 24	17 11 9	16°32'33	11♊17	27°56	11°13	29°15	4°24	7°49	6°52	13°19	15°25	15°23	13°59	21°22	n.a.	T 24
F 25	17 15 5	17°30'02	26°17	29°47	12°26	29°52	4°17	7°56	6°53	13°21	15°23	15°15	13°55	21°29	n.a.	F 25
S 26	17 19 2	18°27'33	11♋23	1♋37	13°39	0♍29	4° 9	8° 3	6°53	13°22	15°22	15° 5	13°52	21°35	n.a.	S 26
S 27	17 22 58	19°25'05	26°26	3°25	14°52	1° 6	4° 2	8° 9	6°R53	13°24	15°20	14°57	13°49	21°42	n.a.	S 27
M28	17 26 55	20°22'38	11♌16	5°12	16° 6	1°43	3°55	8°16	6°53	13°25	15°19	14°50	13°46	21°49	n.a.	M28
T 29	17 30 52	21°20'12	25°46	6°57	17°19	2°20	3°47	8°23	6°53	13°27	15°18	14°45	13°43	21°56	n.a.	T 29
W30	17 34 48	22♊17'47	9♍54	8♋41	18♋32	2♍57	3♑40	8♉29	6♓52	13♌28	15♐16	14♈43	13♈40	22♑ 2	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n17	20n49	4n32	15n 3	0s24	24n 2	1n15	17n13	0n53	24s30	0s46	11n48	1s46	9s59	0s47	18n38	1n26	27s36	4s29	6n38	6n 6	27s38		n.a.
W 2	19 31	15 24	3 48	15 51	0 13	24 13	1 16	17 1	0 52	24 30	0 47	11 50	1 46	9 58	0 47	18 37	1 26	27 36	4 30	6 38	6 4	27 37		n.a.
T 3	19 44	9 19	2 51	16 38	0 1	24 23	1 18	16 50	0 50	24 31	0 47	11 53	1 46	9 58	0 47	18 37	1 26	27 36	4 30	6 39	6 3	27 36		n.a.
F 4	19 58	2 56	1 46	17 24	0n10	24 32	1 19	16 38	0 49	24 31	0 47	11 55	1 46	9 57	0 47	18 37	1 26	27 36	4 30	6 39	6 2	27 35		n.a.
S 5	20 11	3s29	0 36	18 10	0 21	24 41	1 21	16 26	0 47	24 32	0 47	11 58	1 46	9 57	0 47	18 36	1 26	27 36	4 30	6 40	6 1	27 34		n.a.
S 6	20 24	9 38	0s34	18 54	0 31	24 48	1 22	16 14	0 46	24 32	0 48	12 0	1 46	9 57	0 47	18 36	1 26	27 36	4 30	6 40	5 59	27 32		n.a.
M 7	20 36	15 18	1 42	19 36	0 41	24 56	1 23	16 2	0 45	24 33	0 48	12 3	1 46	9 56	0 47	18 36	1 26	27 36	4 30	6 39	5 58	27 31		n.a.
T 8	20 48	20 14	2 43	20 17	0 51	25 2	1 25	15 50	0 43	24 33	0 48	12 5	1 46	9 56	0 47	18 36	1 26	27 36	4 30	6 38	5 57	27 30		n.a.
W 9	21 0	24 13	3 35	20 56	0 59	25 8	1 26	15 38	0 42	24 34	0 48	12 8	1 46	9 56	0 47	18 35	1 25	27 36	4 30	6 35	5 56	27 29		n.a.
T 10	21 11	27 3	4 17	21 33	1 7	25 12	1 27	15 25	0 41	24 34	0 49	12 10	1 46	9 56	0 47	18 35	1 25	27 36	4 30	6 32	5 54	27 28		n.a.
F 11	21 22	28 34	4 46	22 7	1 15	25 16	1 28	15 13	0 39	24 35	0 49	12 13	1 46	9 55	0 47	18 35	1 25	27 36	4 31	6 29	5 53	27 27		n.a.
S 12	21 33	28 44	5 3	22 39	1 22	25 20	1 29	15 0	0 38	24 35	0 49	12 15	1 46	9 55	0 47	18 34	1 25	27 35	4 31	6 25	5 52	27 26		n.a.
S 13	21 43	27 32	5 6	23 9	1 28	25 22	1 30	14 47	0 37	24 36	0 49	12 17	1 46	9 55	0 47	18 34	1 25	27 35	4 31	6 22	5 51	27 25		n.a.
M14	21 53	25 6	4 56	23 36	1 33	25 24	1 31	14 34	0 35	24 36	0 50	12 20	1 46	9 55	0 47	18 34	1 25	27 35	4 31	6 19	5 49	27 24		n.a.
T 15	22 3	21 36	4 33	24 0	1 38	25 25	1 32	14 21	0 34	24 37	0 50	12 22	1 46	9 54	0 47	18 33	1 25	27 35	4 31	6 17	5 48	27 22		n.a.
W16	22 12	17 13	3 58	24 22	1 41	25 26	1 33	14 8	0 33	24 37	0 50	12 24	1 46	9 54	0 48	18 33	1 25	27 35	4 31	6 16	5 47	27 21		n.a.
T 17	22 21	12 6	3 12	24 41	1 45	25 25	1 33	13 55	0 31	24 38	0 50	12 27	1 46	9 54	0 48	18 32	1 25	27 35	4 31	6 16	5 46	27 20		n.a.
F 18	22 29	6 25	2 17	24 57	1 47	25 24	1 34	13 41	0 30	24 38	0 51	12 29	1 46	9 54	0 48	18 32	1 25	27 35	4 31	6 16	5 44	27 19		n.a.
S 19	22 37	0 22	1 13	25 11	1 49	25 22	1 34	13 28	0 29	24 39	0 51	12 31	1 46	9 54	0 48	18 32	1 25	27 35	4 31	6 16	5 43	27 18		n.a.
S 20	22 45	5n54	0 4	25 22	1 50	25 19	1 35	13 14	0 28	24 39	0 51	12 34	1 46	9 54	0 48	18 31	1 25	27 35	4 31	6 16	5 42	27 17		n.a.
M21	22 52	12 6	1n 7	25 30	1 51	25 16	1 35	13 0	0 26	24 40	0 51	12 36	1 46	9 54	0 48	18 31	1 25	27 35	4 32	6 16	5 41	27 15		n.a.
T 22	22 59	17 57	2 17	25 36	1 51	25 11	1 36	12 46	0 25	24 40	0 51	12 38	1 46	9 54	0 48	18 30	1 25	27 35	4 32	6 15	5 39	27 14		n.a.
W23	23 6	22 59	3 20	25 40	1 50	25 6	1 36	12 32	0 24	24 40	0 52	12 40	1 46	9 53	0 48	18 30	1 25	27 35	4 32	6 13	5 38	27 13		n.a.
T 24	23 12	26 42	4 12	25 42	1 49	25 0	1 36	12 18	0 23	24 41	0 52	12 42	1 46	9 53	0 48	18 30	1 25	27 35	4 32	6 10	5 37	27 12		n.a.
F 25	23 18	28 37	4 47	25 41	1 48	24 54	1 36	12 4	0 21	24 41	0 52	12 45	1 46	9 53	0 48	18 29	1 25	27 35	4 32	6 7	5 36	27 10		n.a.
S 26	23 23	28 25	5 2	25 38	1 45	24 47	1 36	11 50	0 20	24 42	0 52	12 47	1 46	9 53	0 48	18 29	1 25	27 35	4 32	6 3	5 34	27 9		n.a.
S 27	23 28	26 7	4 57	25 33	1 43	24 39	1 36	11 35	0 19	24 42	0 53	12 49	1 46	9 53	0 48	18 28	1 25	27 34	4 32	6 0	5 33	27 8		n.a.
M28	23 32	22 4	4 32	25 27	1 39	24 30	1 36	11 21	0 18	24 43	0 53	12 51	1 47	9 54	0 48	18 28	1 25	27 34	4 32	5 57	5 32	27 7		n.a.
T 29	23 36	16 45	3 49	25 18	1 36	24 20	1 36	11 6	0 17	24 43	0 53	12 53	1 47	9 54	0 48	18 27	1 25	27 34	4 32	5 55	5 31	27 5		n.a.
W30	23n40	10n40	2n54	25n 8	1n32	24n10	1n36	10n51	0n15	24s44	0s53	12n55	1s47	9s54	0s48	18n27	1n25	27s34	4s32	5n54	5n29	27s 4		n.a.

Julian Day Number = 1107589.5, Delta T = 10h55m57s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'20, Lahiri = -27°08'19 Julian Calendar 1 June 1681 BCE == Greg. Calendar 18 May 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

JULY 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 38 45	23♊15'24	23♍38	10♋23	19♋45	3♍35	3°R32	8♉35	6°R52	13♎30	15°R15	14°D42	13♈36	22♑ 9	n.a.	T 1
F 2	17 42 41	24°13'01	7♎ 0	12° 3	20°58	4°13	3♑24	8°42	6♓52	13°31	15♐13	14♈42	13°33	22°16	n.a.	F 2
S 3	17 46 38	25°10'40	20° 2	13°42	22°11	4°50	3°17	8°48	6°52	13°33	15°12	14°R42	13°30	22°22	n.a.	S 3
S 4	17 50 34	26° 8'19	2♏47	15°20	23°24	5°28	3° 9	8°54	6°51	13°34	15°11	14°41	13°27	22°29	n.a.	S 4
M 5	17 54 31	27° 6'01	15°20	16°56	24°37	6° 7	3° 1	9° 1	6°51	13°36	15° 9	14°37	13°24	22°36	n.a.	M 5
T 6	17 58 27	28° 3'43	27°41	18°31	25°50	6°45	2°53	9° 7	6°51	13°38	15° 8	14°31	13°20	22°43	n.a.	T 6
W 7	18 2 24	29° 1'27	9♐54	20° 4	27° 3	7°23	2°46	9°13	6°50	13°39	15° 7	14°22	13°17	22°49	n.a.	W 7
T 8	18 6 21	29°59'13	22° 0	21°36	28°16	8° 2	2°38	9°19	6°50	13°41	15° 5	14°10	13°14	22°56	n.a.	T 8
F 9	18 10 17	0♋57'00	4♑ 0	23° 6	29°29	8°40	2°30	9°25	6°49	13°43	15° 4	13°57	13°11	23° 3	n.a.	F 9
S 10	18 14 14	1°54'49	15°55	24°35	0♌42	9°19	2°22	9°31	6°48	13°45	15° 3	13°44	13° 8	23°10	n.a.	S 10
S 11	18 18 10	2°52'40	27°48	26° 2	1°55	9°58	2°14	9°36	6°48	13°46	15° 1	13°31	13° 5	23°16	n.a.	S 11
M12	18 22 7	3°50'32	9♒39	27°28	3° 8	10°37	2° 6	9°42	6°47	13°48	15° 0	13°20	13° 1	23°23	n.a.	M12
T 13	18 26 3	4°48'27	21°32	28°52	4°21	11°16	1°58	9°48	6°46	13°50	14°59	13°11	12°58	23°30	n.a.	T 13
W14	18 30 0	5°46'23	3♓28	0♌15	5°34	11°55	1°51	9°53	6°46	13°52	14°57	13° 5	12°55	23°36	n.a.	W14
T 15	18 33 56	6°44'21	15°32	1°36	6°47	12°34	1°43	9°59	6°45	13°54	14°56	13° 1	12°52	23°43	n.a.	T 15
F 16	18 37 53	7°42'21	27°48	2°55	7°59	13°14	1°35	10° 4	6°44	13°56	14°55	13° 0	12°49	23°50	n.a.	F 16
S 17	18 41 50	8°40'23	10♈22	4°13	9°12	13°53	1°27	10°10	6°43	13°58	14°54	12°59	12°46	23°57	n.a.	S 17
S 18	18 45 46	9°38'27	23°17	5°29	10°25	14°33	1°19	10°15	6°42	13°59	14°52	12°59	12°42	24° 3	n.a.	S 18
M19	18 49 43	10°36'34	6♉38	6°43	11°38	15°13	1°12	10°20	6°41	14° 1	14°51	12°58	12°39	24°10	n.a.	M19
T 20	18 53 39	11°34'43	20°28	7°55	12°50	15°53	1° 4	10°25	6°40	14° 3	14°50	12°55	12°36	24°17	n.a.	T 20
W21	18 57 36	12°32'53	4♊48	9° 5	14° 3	16°33	0°57	10°30	6°39	14° 5	14°49	12°49	12°33	24°23	n.a.	W21
T 22	19 1 32	13°31'06	19°35	10°14	15°16	17°13	0°49	10°35	6°37	14° 7	14°47	12°40	12°30	24°30	n.a.	T 22
F 23	19 5 29	14°29'22	4♋42	11°20	16°29	17°53	0°42	10°40	6°36	14° 9	14°46	12°30	12°26	24°37	n.a.	F 23
S 24	19 9 25	15°27'39	20° 1	12°24	17°41	18°34	0°34	10°45	6°35	14°11	14°45	12°19	12°23	24°44	n.a.	S 24
S 25	19 13 22	16°25'58	5♌18	13°25	18°54	19°14	0°27	10°50	6°34	14°13	14°44	12° 8	12°20	24°50	n.a.	S 25
M26	19 17 19	17°24'19	20°24	14°24	20° 6	19°55	0°20	10°55	6°32	14°15	14°43	11°59	12°17	24°57	n.a.	M26
T 27	19 21 15	18°22'41	5♍ 9	15°20	21°19	20°35	0°12	10°59	6°31	14°17	14°42	11°53	12°14	25° 4	n.a.	T 27
W28	19 25 12	19°21'06	19°27	16°14	22°31	21°16	0° 5	11° 4	6°30	14°19	14°41	11°50	12°11	25°11	n.a.	W28
T 29	19 29 8	20°19'32	3♎18	17° 4	23°44	21°57	29♐59	11° 8	6°28	14°21	14°39	11°48	12° 7	25°17	n.a.	T 29
F 30	19 33 5	21°17'59	16°42	17°51	24°56	22°38	29°52	11°12	6°27	14°24	14°38	11°48	12° 4	25°24	n.a.	F 30
S 31	19 37 1	22♋16'29	29♎42	18♌35	26♌ 9	23♍19	29♐45	11♉17	6♓25	14♎26	14♐37	11♈48	12♈ 1	25♑31	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n43	4n15	1n49	24n56	1n27	23n59	1n36	10n36	0n14	24s44	0s53	12n57	1s47	9s54	0s48	18n26	1n25	27s34	4s32	5n54	5n28	27s 3			n.a.
F 2	23 46	2s12	0 41	24 42	1 22	23 48	1 35	10 21	0 13	24 44	0 53	12 59	1 47	9 54	0 48	18 26	1 25	27 34	4 32	5 54	5 27	27 2			n.a.
S 3	23 48	8 25	0s28	24 27	1 17	23 35	1 35	10 6	0 12	24 45	0 54	13 1	1 47	9 54	0 48	18 25	1 25	27 34	4 32	5 54	5 26	27 0			n.a.
S 4	23 50	14 9	1 34	24 11	1 12	23 22	1 34	9 51	0 11	24 45	0 54	13 3	1 47	9 54	0 48	18 25	1 25	27 34	4 33	5 54	5 24	26 59			n.a.
M 5	23 52	19 12	2 35	23 53	1 6	23 8	1 34	9 35	0 10	24 45	0 54	13 5	1 47	9 54	0 48	18 24	1 25	27 34	4 33	5 52	5 23	26 58			n.a.
T 6	23 53	23 22	3 27	23 34	0 59	22 54	1 33	9 20	0 9	24 46	0 54	13 7	1 47	9 55	0 48	18 24	1 25	27 34	4 33	5 50	5 22	26 56			n.a.
W 7	23 53	26 27	4 8	23 14	0 53	22 39	1 32	9 4	0 7	24 46	0 54	13 9	1 47	9 55	0 48	18 23	1 25	27 33	4 33	5 46	5 21	26 55			n.a.
T 8	23 54	28 16	4 38	22 53	0 46	22 23	1 32	8 49	0 6	24 46	0 55	13 11	1 47	9 55	0 48	18 23	1 25	27 33	4 33	5 42	5 19	26 54			n.a.
F 9	23 53	28 45	4 55	22 31	0 39	22 7	1 31	8 33	0 5	24 47	0 55	13 12	1 47	9 55	0 48	18 22	1 25	27 33	4 33	5 36	5 18	26 52			n.a.
S 10	23 53	27 53	5 0	22 8	0 31	21 50	1 30	8 17	0 4	24 47	0 55	13 14	1 47	9 56	0 48	18 22	1 25	27 33	4 33	5 31	5 17	26 51			n.a.
S 11	23 52	25 44	4 51	21 44	0 24	21 33	1 29	8 1	0 3	24 47	0 55	13 16	1 47	9 56	0 48	18 21	1 25	27 33	4 33	5 26	5 15	26 50			n.a.
M12	23 50	22 29	4 29	21 19	0 16	21 15	1 27	7 45	0 2	24 48	0 55	13 18	1 48	9 56	0 48	18 21	1 25	27 33	4 33	5 21	5 14	26 48			n.a.
T 13	23 48	18 19	3 56	20 54	0 8	20 56	1 26	7 29	0 1	24 48	0 55	13 20	1 48	9 56	0 49	18 20	1 25	27 33	4 33	5 18	5 13	26 47			n.a.
W14	23 46	13 24	3 12	20 28	0s 1	20 36	1 25	7 13	0s 0	24 48	0 55	13 21	1 48	9 57	0 49	18 19	1 25	27 33	4 33	5 15	5 12	26 46			n.a.
T 15	23 43	7 57	2 20	20 2	0 9	20 17	1 24	6 57	0 1	24 48	0 56	13 23	1 48	9 57	0 49	18 19	1 25	27 33	4 33	5 14	5 10	26 44			n.a.
F 16	23 40	2 6	1 19	19 35	0 18	19 56	1 22	6 41	0 2	24 49	0 56	13 25	1 48	9 57	0 49	18 18	1 24	27 32	4 33	5 14	5 9	26 43			n.a.
S 17	23 36	3n58	0 14	19 8	0 27	19 35	1 21	6 24	0 3	24 49	0 56	13 26	1 48	9 58	0 49	18 18	1 24	27 32	4 33	5 13	5 8	26 42			n.a.
S 18	23 32	10 3	0n54	18 41	0 36	19 14	1 19	6 8	0 4	24 49	0 56	13 28	1 48	9 58	0 49	18 17	1 24	27 32	4 33	5 13	5 7	26 40			n.a.
M19	23 28	15 53	2 1	18 13	0 45	18 52	1 17	5 51	0 5	24 49	0 56	13 29	1 48	9 59	0 49	18 17	1 24	27 32	4 33	5 13	5 5	26 39			n.a.
T 20	23 23	21 9	3 4	17 46	0 54	18 29	1 16	5 34	0 6	24 49	0 56	13 31	1 48	9 59	0 49	18 16	1 24	27 32	4 33	5 12	5 4	26 37			n.a.
W21	23 17	25 23	3 57	17 18	1 4	18 6	1 14	5 18	0 7	24 50	0 56	13 32	1 48	10 0	0 49	18 15	1 24	27 32	4 33	5 9	5 3	26 36			n.a.
T 22	23 11	28 4	4 36	16 51	1 13	17 42	1 12	5 1	0 8	24 50	0 56	13 34	1 48	10 0	0 49	18 15	1 24	27 32	4 33	5 6	5 2	26 34			n.a.
F 23	23 5	28 45	4 57	16 23	1 23	17 18	1 10	4 44	0 9	24 50	0 56	13 35	1 49	10 1	0 49	18 14	1 24	27 32	4 33	5 2	5 0	26 33			n.a.
S 24	22 59	27 16	4 57	15 56	1 32	16 54	1 8	4 27	0 10	24 50	0 57	13 37	1 49	10 1	0 49	18 14	1 24	27 31	4 33	4 57	4 59	26 32			n.a.
S 25	22 52	23 45	4 36	15 29	1 42	16 29	1 6	4 10	0 11	24 50	0 57	13 38	1 49	10 2	0 49	18 13	1 24	27 31	4 33	4 53	4 58	26 30			n.a.
M26	22 44	18 41	3 56	15 3	1 51	16 4	1 4	3 53	0 12	24 50	0 57	13 40	1 49	10 2	0 49	18 12	1 24	27 31	4 33	4 50	4 57	26 29			n.a.
T 27	22 36	12 36	3 1	14 37	2 1	15 38	1 2	3 36	0 13	24 50	0 57	13 41	1 49	10 3	0 49	18 12	1 24	27 31	4 33	4 47	4 55	26 27			n.a.
W28	22 28	6 1	1 55	14 12	2 11	15 12	0 59	3 18	0 14	24 50	0 57	13 42	1 49	10 3	0 49	18 11	1 24	27 31	4 33	4 46	4 54	26 26			n.a.
T 29	22 19	0s39	0 45	13 48	2 20	14 45	0 57	3 1	0 15	24 51	0 57	13 43	1 49	10 4	0 49	18 11	1 24	27 31	4 33	4 45	4 53	26 24			n.a.
F 30	22 10	7 5	0s26	13 24	2 30	14 18	0 54	2 44	0 16	24 51	0 57	13 45	1 49	10 4	0 49	18 10	1 24	27 31	4 33	4 45	4 52	26 23			n.a.
S 31	22n 1	13s 2	1s33	13n 2	2s39	13n51	0n52	2n26	0s17	24s51	0s57	13n46	1s49	10s 5	0s49	18n 9	1n24	27s31	4s33	4n45	4n50	26s21			n.a.

Julian Day Number = 1107619.5, Delta T = 10h55m56s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'16, Lahiri = -27°08'15 Julian Calendar 1 July 1681 BCE == Greg. Calendar 17 June 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

AUGUST 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 40 58	23♋15'00	12♏22	19♌14	27♌21	24♍ 0	29°R38	11♉21	6°R24	14♌28	14°R36	11°R47	11♈58	25♑37	n.a.	S 1
M 2	19 44 54	24°13'33	24°47	19°50	28°34	24°42	29♐32	11°25	6♓22	14°30	14♐35	11♈43	11°55	25°44	n.a.	M 2
T 3	19 48 51	25°12'08	6♐59	20°21	29°46	25°23	29°25	11°29	6°20	14°32	14°34	11°37	11°52	25°51	n.a.	T 3
W 4	19 52 47	26°10'45	19° 3	20°48	0♍58	26° 5	29°19	11°33	6°19	14°34	14°33	11°28	11°48	25°58	n.a.	W 4
T 5	19 56 44	27° 9'24	1♑ 1	21°10	2°11	26°46	29°13	11°36	6°17	14°36	14°32	11°17	11°45	26° 4	n.a.	T 5
F 6	20 0 41	28° 8'06	12°55	21°26	3°23	27°28	29° 7	11°40	6°15	14°38	14°31	11° 4	11°42	26°11	n.a.	F 6
S 7	20 4 37	29° 6'49	24°48	21°36	4°35	28°10	29° 1	11°44	6°13	14°41	14°31	10°51	11°39	26°18	n.a.	S 7
S 8	20 8 34	0♌ 5'34	6♒41	21°R41	5°47	28°52	28°56	11°47	6°12	14°43	14°30	10°38	11°36	26°24	n.a.	S 8
M 9	20 12 30	1° 4'21	18°34	21°39	6°59	29°34	28°50	11°51	6°10	14°45	14°29	10°26	11°32	26°31	n.a.	M 9
T 10	20 16 27	2° 3'10	0♓30	21°30	8°11	0♎16	28°45	11°54	6° 8	14°47	14°28	10°18	11°29	26°38	n.a.	T 10
W11	20 20 23	3° 2'02	12°31	21°14	9°23	0°58	28°39	11°57	6° 6	14°49	14°27	10°11	11°26	26°45	n.a.	W11
T 12	20 24 20	4° 0'56	24°39	20°51	10°35	1°40	28°34	12° 0	6° 4	14°52	14°26	10° 8	11°23	26°51	n.a.	T 12
F 13	20 28 16	4°59'53	6♈58	20°21	11°47	2°23	28°29	12° 3	6° 2	14°54	14°26	10°D 7	11°20	26°58	n.a.	F 13
S 14	20 32 13	5°58'52	19°32	19°43	12°59	3° 5	28°25	12° 6	6° 0	14°56	14°25	10° 7	11°17	27° 5	n.a.	S 14
S 15	20 36 9	6°57'53	2♉25	18°59	14°11	3°48	28°20	12° 9	5°58	14°58	14°24	10°R 8	11°13	27°12	n.a.	S 15
M16	20 40 6	7°56'57	15°40	18° 7	15°23	4°30	28°16	12°12	5°56	15° 0	14°23	10° 7	11°10	27°18	n.a.	M16
T 17	20 44 3	8°56'03	29°22	17°10	16°35	5°13	28°11	12°14	5°54	15° 3	14°23	10° 6	11° 7	27°25	n.a.	T 17
W18	20 47 59	9°55'12	13♊31	16° 8	17°46	5°56	28° 7	12°17	5°52	15° 5	14°22	10° 1	11° 4	27°32	n.a.	W18
T 19	20 51 56	10°54'24	28° 7	15° 2	18°58	6°39	28° 3	12°19	5°50	15° 7	14°21	9°55	11° 1	27°38	n.a.	T 19
F 20	20 55 52	11°53'38	13♋ 5	13°54	20°10	7°22	28° 0	12°21	5°47	15° 9	14°21	9°47	10°58	27°45	n.a.	F 20
S 21	20 59 49	12°52'54	28°17	12°45	21°21	8° 5	27°56	12°24	5°45	15°12	14°20	9°38	10°54	27°52	n.a.	S 21
S 22	21 3 45	13°52'13	13♌34	11°37	22°33	8°48	27°53	12°26	5°43	15°14	14°20	9°30	10°51	27°59	n.a.	S 22
M23	21 7 42	14°51'34	28°43	10°33	23°44	9°31	27°50	12°28	5°41	15°16	14°19	9°23	10°48	28° 5	n.a.	M23
T 24	21 11 38	15°50'56	13♍35	9°33	24°56	10°15	27°47	12°29	5°38	15°18	14°19	9°18	10°45	28°12	n.a.	T 24
W25	21 15 35	16°50'21	28° 3	8°39	26° 7	10°58	27°44	12°31	5°36	15°20	14°18	9°15	10°42	28°19	n.a.	W25
T 26	21 19 32	17°49'48	12♎ 4	7°54	27°19	11°42	27°41	12°33	5°34	15°23	14°18	9°D15	10°38	28°25	n.a.	T 26
F 27	21 23 28	18°49'17	25°35	7°17	28°30	12°25	27°39	12°34	5°32	15°25	14°17	9°16	10°35	28°32	n.a.	F 27
S 28	21 27 25	19°48'47	8♏41	6°51	29°41	13° 9	27°37	12°36	5°29	15°27	14°17	9°17	10°32	28°39	n.a.	S 28
S 29	21 31 21	20°48'20	21°23	6°35	0♎53	13°53	27°35	12°37	5°27	15°29	14°16	9°R17	10°29	28°46	n.a.	S 29
M30	21 35 18	21°47'55	3♐47	6°D30	2° 4	14°37	27°33	12°38	5°25	15°32	14°16	9°16	10°26	28°52	n.a.	M30
T 31	21 39 14	22♌47'31	15♐57	6♌36	3♎15	15♎20	27♐31	12♉39	5♓22	15♌34	14♐16	9♈14	10♈23	28♑59	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n51	18s17	2s34	12n41	2s48	13n23	0n49	2n 9	0s18	24s51	0s57	13n47	1s50	10s 6	0s49	18n 9	1n24	27s30	4s33	4n45	4n49	26s20		n.a.
M 2	21 41	22 39	3 26	12 21	2 57	12 56	0 47	1 51	0 19	24 51	0 57	13 48	1 50	10 6	0 49	18 8	1 24	27 30	4 33	4 43	4 48	26 18		n.a.
T 3	21 30	25 58	4 8	12 3	3 5	12 27	0 44	1 34	0 20	24 51	0 57	13 49	1 50	10 7	0 49	18 7	1 24	27 30	4 33	4 41	4 46	26 17		n.a.
W 4	21 19	28 3	4 38	11 47	3 13	11 59	0 41	1 16	0 21	24 51	0 57	13 50	1 50	10 8	0 49	18 7	1 24	27 30	4 33	4 37	4 45	26 15		n.a.
T 5	21 7	28 49	4 56	11 33	3 21	11 30	0 39	0 58	0 22	24 51	0 57	13 52	1 50	10 8	0 49	18 6	1 24	27 30	4 33	4 33	4 44	26 14		n.a.
F 6	20 56	28 14	5 0	11 20	3 28	11 1	0 36	0 41	0 23	24 51	0 57	13 53	1 50	10 9	0 49	18 5	1 24	27 30	4 33	4 28	4 43	26 12		n.a.
S 7	20 43	26 21	4 52	11 11	3 35	10 31	0 33	0 23	0 24	24 51	0 57	13 54	1 50	10 10	0 49	18 5	1 24	27 30	4 33	4 22	4 41	26 10		n.a.
S 8	20 31	23 19	4 31	11 4	3 41	10 1	0 30	0 5	0 24	24 51	0 57	13 55	1 50	10 10	0 49	18 4	1 24	27 30	4 33	4 17	4 40	26 9		n.a.
M 9	20 18	19 18	3 58	11 0	3 46	9 32	0 27	0s13	0 25	24 51	0 57	13 55	1 51	10 11	0 49	18 3	1 24	27 29	4 33	4 13	4 39	26 7		n.a.
T 10	20 5	14 31	3 14	10 59	3 50	9 1	0 24	0 30	0 26	24 51	0 57	13 56	1 51	10 12	0 49	18 3	1 24	27 29	4 33	4 9	4 38	26 6		n.a.
W11	19 51	9 9	2 21	11 1	3 53	8 31	0 21	0 48	0 27	24 51	0 58	13 57	1 51	10 12	0 49	18 2	1 24	27 29	4 33	4 7	4 36	26 4		n.a.
T 12	19 37	3 24	1 21	11 7	3 55	8 0	0 18	1 6	0 28	24 51	0 58	13 58	1 51	10 13	0 49	18 1	1 24	27 29	4 33	4 5	4 35	26 3		n.a.
F 13	19 23	2n34	0 17	11 16	3 55	7 30	0 14	1 24	0 29	24 51	0 58	13 59	1 51	10 14	0 49	18 1	1 24	27 29	4 33	4 5	4 34	26 1		n.a.
S 14	19 8	8 33	0n50	11 29	3 54	6 59	0 11	1 42	0 30	24 51	0 58	14 0	1 51	10 15	0 49	18 0	1 24	27 29	4 33	4 5	4 33	25 59		n.a.
S 15	18 53	14 21	1 56	11 46	3 51	6 27	0 8	2 0	0 30	24 50	0 58	14 0	1 51	10 16	0 49	17 59	1 24	27 29	4 33	4 5	4 31	25 58		n.a.
M16	18 38	19 40	2 58	12 7	3 46	5 56	0 4	2 18	0 31	24 50	0 58	14 1	1 51	10 16	0 49	17 59	1 24	27 29	4 33	4 5	4 30	25 56		n.a.
T 17	18 22	24 9	3 51	12 31	3 39	5 25	0 1	2 36	0 32	24 50	0 58	14 2	1 52	10 17	0 50	17 58	1 24	27 29	4 33	4 4	4 29	25 54		n.a.
W18	18 6	27 22	4 33	12 58	3 30	4 53	0s 2	2 54	0 33	24 50	0 58	14 2	1 52	10 18	0 50	17 57	1 24	27 28	4 33	4 3	4 27	25 53		n.a.
T 19	17 49	28 51	4 58	13 28	3 19	4 21	0 6	3 12	0 34	24 50	0 58	14 3	1 52	10 19	0 50	17 57	1 24	27 28	4 33	4 0	4 26	25 51		n.a.
F 20	17 33	28 17	5 4	14 1	3 6	3 50	0 9	3 30	0 35	24 50	0 58	14 4	1 52	10 20	0 50	17 56	1 24	27 28	4 33	3 57	4 25	25 50		n.a.
S 21	17 16	25 36	4 49	14 35	2 51	3 18	0 13	3 48	0 35	24 50	0 58	14 4	1 52	10 20	0 50	17 55	1 24	27 28	4 33	3 53	4 24	25 48		n.a.
S 22	16 59	21 6	4 13	15 9	2 34	2 46	0 16	4 6	0 36	24 50	0 58	14 5	1 52	10 21	0 50	17 55	1 24	27 28	4 33	3 50	4 22	25 46		n.a.
M23	16 41	15 15	3 19	15 45	2 16	2 14	0 20	4 24	0 37	24 50	0 58	14 5	1 52	10 22	0 50	17 54	1 24	27 28	4 33	3 47	4 21	25 45		n.a.
T 24	16 23	8 37	2 13	16 19	1 57	1 42	0 24	4 42	0 38	24 50	0 57	14 6	1 53	10 23	0 50	17 53	1 24	27 28	4 33	3 45	4 20	25 43		n.a.
W25	16 5	1 42	1 0	16 52	1 38	1 9	0 27	5 0	0 38	24 50	0 57	14 6	1 53	10 24	0 50	17 53	1 24	27 28	4 33	3 44	4 19	25 41		n.a.
T 26	15 47	5s 5	0s15	17 23	1 18	0 37	0 31	5 18	0 39	24 50	0 57	14 6	1 53	10 25	0 50	17 52	1 24	27 28	4 33	3 44	4 17	25 40		n.a.
F 27	15 28	11 25	1 27	17 52	0 58	0 5	0 34	5 36	0 40	24 50	0 57	14 7	1 53	10 26	0 50	17 51	1 24	27 28	4 33	3 44	4 16	25 38		n.a.
S 28	15 9	17 3	2 32	18 18	0 38	0s27	0 38	5 54	0 41	24 50	0 57	14 7	1 53	10 26	0 50	17 51	1 24	27 27	4 33	3 45	4 15	25 36		n.a.
S 29	14 50	21 46	3 27	18 40	0 19	1 0	0 42	6 12	0 41	24 50	0 57	14 7	1 53	10 27	0 50	17 50	1 24	27 27	4 33	3 45	4 14	25 34		n.a.
M30	14 30	25 25	4 11	18 59	0 1	1 32	0 46	6 30	0 42	24 49	0 57	14 8	1 53	10 28	0 50	17 49	1 24	27 27	4 33	3 45	4 12	25 33		n.a.
T 31	14n11	27s50	4s43	19n14	0n16	2s 4	0s49	6s48	0s43	24s49	0s57	14n 8	1s54	10s29	0s50	17n49	1n24	27s27	4s33	3n43	4n11	25s31		n.a.

Julian Day Number = 1107650.5, Delta T = 10h55m54s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'11, Lahiri = -27°08'11 Julian Calendar 1 Aug. 1681 BCE == Greg. Calendar 18 July 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

SEPTEMBER 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 43 11	23♌47'10	27♐57	6♌53	4♎26	16♎ 4	27°R30	12♉40	5°R20	15♌36	14°R15	9°R 9	10♈19	29♑ 6	n.a.	W 1
T 2	21 47 7	24°46'50	9♑51	7°20	5°37	16°48	27♐29	12°41	5♓17	15°38	14♐15	9♈ 2	10°16	29°12	n.a.	T 2
F 3	21 51 4	25°46'33	21°43	7°56	6°48	17°33	27°28	12°42	5°15	15°41	14°15	8°54	10°13	29°19	n.a.	F 3
S 4	21 55 0	26°46'17	3♒36	8°41	7°58	18°17	27°27	12°42	5°13	15°43	14°15	8°46	10°10	29°26	n.a.	S 4
S 5	21 58 57	27°46'03	15°30	9°34	9° 9	19° 1	27°26	12°43	5°10	15°45	14°14	8°38	10° 7	29°33	n.a.	S 5
M 6	22 2 54	28°45'52	27°29	10°35	10°20	19°45	27°26	12°43	5° 8	15°47	14°14	8°31	10° 4	29°39	n.a.	M 6
T 7	22 6 50	29°45'42	9♓33	11°42	11°30	20°30	27°26	12°44	5° 5	15°49	14°14	8°26	10° 0	29°46	n.a.	T 7
W 8	22 10 47	0♍45'35	21°45	12°54	12°41	21°14	27°D26	12°44	5° 3	15°52	14°14	8°22	9°57	29°53	n.a.	W 8
T 9	22 14 43	1°45'30	4♈ 5	14°12	13°51	21°59	27°26	12°R44	5° 0	15°54	14°14	8°D21	9°54	29°59	n.a.	T 9
F 10	22 18 40	2°45'27	16°35	15°34	15° 2	22°43	27°26	12°44	4°58	15°56	14°14	8°21	9°51	0♒ 6	n.a.	F 10
S 11	22 22 36	3°45'26	29°18	16°59	16°12	23°28	27°27	12°44	4°56	15°58	14°D14	8°22	9°48	0°13	n.a.	S 11
S 12	22 26 33	4°45'28	12♉17	18°27	17°22	24°13	27°27	12°43	4°53	16° 0	14°14	8°24	9°44	0°20	n.a.	S 12
M13	22 30 29	5°45'32	25°33	19°58	18°32	24°58	27°28	12°43	4°51	16° 2	14°14	8°25	9°41	0°26	n.a.	M13
T 14	22 34 26	6°45'39	9♊10	21°31	19°42	25°42	27°30	12°42	4°48	16° 4	14°14	8°R26	9°38	0°33	n.a.	T 14
W15	22 38 22	7°45'48	23° 8	23° 6	20°52	26°27	27°31	12°42	4°46	16° 7	14°14	8°25	9°35	0°40	n.a.	W15
T 16	22 42 19	8°45'59	7♋27	24°42	22° 2	27°12	27°33	12°41	4°43	16° 9	14°14	8°22	9°32	0°46	n.a.	T 16
F 17	22 46 16	9°46'13	22° 5	26°18	23°12	27°57	27°34	12°40	4°41	16°11	14°14	8°19	9°29	0°53	n.a.	F 17
S 18	22 50 12	10°46'28	6♌56	27°56	24°21	28°43	27°36	12°39	4°38	16°13	14°14	8°15	9°25	1° 0	n.a.	S 18
S 19	22 54 9	11°46'46	21°54	29°34	25°31	29°28	27°39	12°38	4°36	16°15	14°15	8°11	9°22	1° 7	n.a.	S 19
M20	22 58 5	12°47'06	6♍49	1♍13	26°40	0♏13	27°41	12°37	4°33	16°17	14°15	8° 8	9°19	1°13	n.a.	M20
T 21	23 2 2	13°47'27	21°34	2°52	27°50	0°58	27°44	12°36	4°31	16°19	14°15	8° 6	9°16	1°20	n.a.	T 21
W22	23 5 58	14°47'51	6♎ 0	4°31	28°59	1°44	27°46	12°34	4°29	16°21	14°15	8°D 5	9°13	1°27	n.a.	W22
T 23	23 9 55	15°48'16	20° 4	6°10	0♏ 8	2°29	27°49	12°33	4°26	16°23	14°16	8° 5	9° 9	1°33	n.a.	T 23
F 24	23 13 51	16°48'43	3♏41	7°49	1°17	3°15	27°53	12°31	4°24	16°25	14°16	8° 7	9° 6	1°40	n.a.	F 24
S 25	23 17 48	17°49'12	16°53	9°28	2°26	4° 0	27°56	12°29	4°21	16°27	14°17	8° 8	9° 3	1°47	n.a.	S 25
S 26	23 21 45	18°49'42	29°41	11° 7	3°35	4°46	28° 0	12°27	4°19	16°29	14°17	8°10	9° 0	1°54	n.a.	S 26
M27	23 25 41	19°50'14	12♐ 9	12°45	4°44	5°31	28° 3	12°25	4°17	16°31	14°17	8°11	8°57	2° 0	n.a.	M27
T 28	23 29 38	20°50'47	24°21	14°24	5°52	6°17	28° 7	12°23	4°14	16°33	14°18	8°R11	8°54	2° 7	n.a.	T 28
W29	23 33 34	21°51'22	6♑22	16° 2	7° 1	7° 3	28°11	12°21	4°12	16°35	14°18	8°10	8°50	2°14	n.a.	W29
T 30	23 37 31	22♍51'58	18♑16	17♍40	8♏ 9	7♏49	28♐16	12♉19	4♓10	16♌37	14♐19	8♈ 9	8♈47	2♒20	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13n51	28s55	5s 2	19n25	0n32	2s36	0s53	7s 6	0s43	24s49	0s57	14n 8	1s54	10s30	0s50	17n48	1n24	27s27	4s32	3n41	4n10	25s29		n.a.
T 2	13 30	28 38	5 8	19 32	0 46	3 8	0 57	7 24	0 44	24 49	0 57	14 8	1 54	10 31	0 50	17 48	1 24	27 27	4 32	3 39	4 8	25 27		n.a.
F 3	13 10	27 2	5 0	19 35	0 59	3 40	1 1	7 42	0 45	24 49	0 57	14 8	1 54	10 32	0 50	17 47	1 24	27 27	4 32	3 36	4 7	25 26		n.a.
S 4	12 49	24 15	4 40	19 34	1 11	4 12	1 4	8 0	0 46	24 49	0 57	14 8	1 54	10 33	0 50	17 46	1 24	27 27	4 32	3 32	4 6	25 24		n.a.
S 5	12 29	20 25	4 7	19 30	1 22	4 44	1 8	8 18	0 46	24 49	0 57	14 8	1 54	10 34	0 50	17 46	1 25	27 27	4 32	3 29	4 5	25 22		n.a.
M 6	12 7	15 45	3 23	19 22	1 31	5 16	1 12	8 35	0 47	24 49	0 57	14 8	1 54	10 35	0 50	17 45	1 25	27 27	4 32	3 26	4 3	25 20		n.a.
T 7	11 46	10 26	2 30	19 10	1 38	5 47	1 15	8 53	0 48	24 49	0 57	14 8	1 54	10 36	0 50	17 44	1 25	27 27	4 32	3 24	4 2	25 19		n.a.
W 8	11 25	4 42	1 29	18 56	1 45	6 19	1 19	9 11	0 48	24 49	0 57	14 8	1 55	10 36	0 50	17 44	1 25	27 27	4 32	3 23	4 1	25 17		n.a.
T 9	11 3	1n18	0 23	18 38	1 50	6 50	1 23	9 28	0 49	24 49	0 57	14 8	1 55	10 37	0 50	17 43	1 25	27 27	4 32	3 22	4 0	25 15		n.a.
F 10	10 41	7 20	0n45	18 17	1 54	7 21	1 27	9 46	0 49	24 49	0 57	14 8	1 55	10 38	0 50	17 42	1 25	27 27	4 32	3 22	3 58	25 13		n.a.
S 11	10 19	13 10	1 52	17 54	1 58	7 52	1 30	10 3	0 50	24 49	0 57	14 8	1 55	10 39	0 50	17 42	1 25	27 26	4 32	3 23	3 57	25 11		n.a.
S 12	9 57	18 35	2 55	17 29	2 0	8 23	1 34	10 21	0 51	24 49	0 57	14 7	1 55	10 40	0 50	17 41	1 25	27 26	4 32	3 24	3 56	25 10		n.a.
M13	9 34	23 13	3 50	17 1	2 1	8 54	1 38	10 38	0 51	24 49	0 57	14 7	1 55	10 41	0 50	17 40	1 25	27 26	4 32	3 24	3 54	25 8		n.a.
T 14	9 12	26 44	4 33	16 31	2 2	9 24	1 41	10 55	0 52	24 49	0 57	14 7	1 55	10 42	0 50	17 40	1 25	27 26	4 32	3 24	3 53	25 6		n.a.
W15	8 49	28 44	5 2	15 59	2 1	9 55	1 45	11 13	0 52	24 49	0 57	14 7	1 56	10 43	0 50	17 39	1 25	27 26	4 32	3 24	3 52	25 4		n.a.
T 16	8 26	28 53	5 13	15 26	2 0	10 25	1 49	11 30	0 53	24 49	0 56	14 6	1 56	10 44	0 50	17 39	1 25	27 26	4 32	3 23	3 51	25 2		n.a.
F 17	8 3	27 2	5 4	14 51	1 59	10 55	1 52	11 47	0 54	24 49	0 56	14 6	1 56	10 45	0 50	17 38	1 25	27 26	4 32	3 22	3 49	25 1		n.a.
S 18	7 40	23 19	4 35	14 14	1 57	11 24	1 56	12 4	0 54	24 49	0 56	14 5	1 56	10 46	0 50	17 37	1 25	27 26	4 32	3 20	3 48	24 59		n.a.
S 19	7 17	18 2	3 47	13 37	1 54	11 53	1 59	12 21	0 55	24 49	0 56	14 5	1 56	10 46	0 50	17 37	1 25	27 26	4 32	3 18	3 47	24 57		n.a.
M20	6 53	11 41	2 43	12 58	1 51	12 22	2 3	12 37	0 55	24 49	0 56	14 5	1 56	10 47	0 50	17 36	1 25	27 26	4 32	3 17	3 46	24 55		n.a.
T 21	6 30	4 46	1 30	12 19	1 48	12 51	2 6	12 54	0 56	24 49	0 56	14 4	1 56	10 48	0 50	17 36	1 25	27 26	4 32	3 16	3 44	24 53		n.a.
W22	6 6	2s15	0 11	11 38	1 44	13 20	2 9	13 11	0 56	24 49	0 56	14 3	1 56	10 49	0 50	17 35	1 25	27 26	4 31	3 16	3 43	24 51		n.a.
T 23	5 42	9 0	1s 5	10 57	1 39	13 48	2 13	13 27	0 57	24 49	0 56	14 3	1 56	10 50	0 50	17 34	1 25	27 26	4 31	3 16	3 42	24 49		n.a.
F 24	5 18	15 7	2 16	10 15	1 35	14 16	2 16	13 44	0 57	24 49	0 56	14 2	1 57	10 51	0 50	17 34	1 25	27 26	4 31	3 17	3 40	24 47		n.a.
S 25	4 54	20 21	3 18	9 33	1 30	14 43	2 19	14 0	0 58	24 49	0 56	14 2	1 57	10 52	0 50	17 33	1 25	27 26	4 31	3 17	3 39	24 46		n.a.
S 26	4 30	24 29	4 7	8 50	1 25	15 10	2 22	14 16	0 58	24 49	0 56	14 1	1 57	10 53	0 50	17 33	1 25	27 26	4 31	3 18	3 38	24 44		n.a.
M27	4 6	27 22	4 44	8 7	1 20	15 37	2 25	14 32	0 59	24 49	0 56	14 0	1 57	10 53	0 50	17 32	1 25	27 26	4 31	3 18	3 37	24 42		n.a.
T 28	3 42	28 52	5 7	7 23	1 14	16 3	2 28	14 48	0 59	24 49	0 56	14 0	1 57	10 54	0 50	17 31	1 25	27 26	4 31	3 18	3 35	24 40		n.a.
W29	3 17	28 59	5 15	6 39	1 8	16 29	2 31	15 4	1 0	24 49	0 56	13 59	1 57	10 55	0 50	17 31	1 25	27 26	4 31	3 18	3 34	24 38		n.a.
T 30	2n53	27s45	5s11	5n55	1n 2	16s55	2s34	15s20	1s 0	24s49	0s56	13n58	1s57	10s56	0s50	17n30	1n25	27s26	4s31	3n17	3n33	24s36		n.a.

Julian Day Number = 1107681.5, Delta T = 10h55m52s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'07, Lahiri = -27°08'07 Julian Calendar 1 Sept. 1681 BCE == Greg. Calendar 18 Aug. 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

OCTOBER 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 41 27	23♍52'35	0♒ 8	19♍17	9♏17	8♏34	28♐20	12°R17	4°R 8	16♑39	14♐19	8°R 7	8♈44	2♒27	n.a.	F 1
S 2	23 45 24	24°53'14	12° 0	20°54	10°25	9°20	28°25	12♉14	4♓ 5	16°40	14°20	8♈ 5	8°41	2°34	n.a.	S 2
S 3	23 49 20	25°53'55	23°58	22°31	11°33	10° 6	28°30	12°12	4° 3	16°42	14°21	8° 3	8°38	2°41	n.a.	S 3
M 4	23 53 17	26°54'37	6♓ 3	24° 8	12°41	10°52	28°35	12° 9	4° 1	16°44	14°21	8° 1	8°35	2°47	n.a.	M 4
T 5	23 57 14	27°55'20	18°18	25°44	13°48	11°38	28°40	12° 6	3°59	16°46	14°22	8° 0	8°31	2°54	n.a.	T 5
W 6	0 1 10	28°56'05	0♈44	27°20	14°56	12°24	28°45	12° 3	3°56	16°48	14°23	7°59	8°28	3° 1	n.a.	W 6
T 7	0 5 7	29°56'51	13°22	28°56	16° 3	13°10	28°51	12° 0	3°54	16°49	14°23	7°D59	8°25	3° 7	n.a.	T 7
F 8	0 9 3	0♎57'39	26°12	0♎31	17°10	13°57	28°57	11°57	3°52	16°51	14°24	7°59	8°22	3°14	n.a.	F 8
S 9	0 13 0	1°58'28	9♉15	2° 7	18°16	14°43	29° 3	11°54	3°50	16°53	14°25	8° 0	8°19	3°21	n.a.	S 9
S 10	0 16 56	2°59'20	22°32	3°42	19°23	15°29	29° 9	11°51	3°48	16°55	14°26	8° 1	8°15	3°28	n.a.	S 10
M11	0 20 53	4° 0'12	6♊ 2	5°16	20°30	16°15	29°15	11°47	3°46	16°56	14°26	8° 1	8°12	3°34	n.a.	M11
T 12	0 24 49	5° 1'07	19°45	6°51	21°36	17° 2	29°21	11°44	3°44	16°58	14°27	8° 1	8° 9	3°41	n.a.	T 12
W13	0 28 46	6° 2'03	3♋40	8°26	22°42	17°48	29°28	11°41	3°42	16°59	14°28	8°R 1	8° 6	3°48	n.a.	W13
T 14	0 32 43	7° 3'01	17°48	10° 0	23°48	18°34	29°35	11°37	3°40	17° 1	14°29	8° 1	8° 3	3°54	n.a.	T 14
F 15	0 36 39	8° 4'00	2♌ 7	11°34	24°53	19°21	29°42	11°33	3°38	17° 3	14°30	8°D 1	8° 0	4° 1	n.a.	F 15
S 16	0 40 36	9° 5'01	16°32	13° 8	25°58	20° 7	29°49	11°30	3°36	17° 4	14°31	8° 1	7°56	4° 8	n.a.	S 16
S 17	0 44 32	10° 6'03	1♍ 1	14°42	27° 4	20°54	29°56	11°26	3°34	17° 6	14°32	8° 2	7°53	4°15	n.a.	S 17
M18	0 48 29	11° 7'07	15°29	16°16	28° 8	21°40	0♑ 3	11°22	3°33	17° 7	14°33	8° 2	7°50	4°21	n.a.	M18
T 19	0 52 25	12° 8'12	29°51	17°50	29°13	22°27	0°11	11°18	3°31	17° 9	14°34	8° 2	7°47	4°28	n.a.	T 19
W20	0 56 22	13° 9'18	14♎ 0	19°24	0♐17	23°13	0°19	11°14	3°29	17°10	14°35	8°R 2	7°44	4°35	n.a.	W20
T 21	1 0 18	14°10'25	27°53	20°58	1°22	24° 0	0°26	11°10	3°27	17°12	14°36	8° 2	7°41	4°41	n.a.	T 21
F 22	1 4 15	15°11'33	11♏26	22°31	2°25	24°47	0°34	11° 5	3°26	17°13	14°37	8° 1	7°37	4°48	n.a.	F 22
S 23	1 8 12	16°12'41	24°39	24° 5	3°29	25°33	0°43	11° 1	3°24	17°14	14°38	8° 0	7°34	4°55	n.a.	S 23
S 24	1 12 8	17°13'51	7♐30	25°38	4°32	26°20	0°51	10°57	3°23	17°16	14°39	7°59	7°31	5° 2	n.a.	S 24
M25	1 16 5	18°15'02	20° 1	27°12	5°35	27° 7	0°59	10°52	3°21	17°17	14°41	7°58	7°28	5° 8	n.a.	M25
T 26	1 20 1	19°16'13	2♑16	28°45	6°38	27°54	1° 8	10°48	3°19	17°18	14°42	7°57	7°25	5°15	n.a.	T 26
W27	1 23 58	20°17'24	14°19	0♏19	7°40	28°40	1°17	10°44	3°18	17°19	14°43	7°56	7°21	5°22	n.a.	W27
T 28	1 27 54	21°18'36	26°14	1°52	8°42	29°27	1°25	10°39	3°17	17°21	14°44	7°D56	7°18	5°28	n.a.	T 28
F 29	1 31 51	22°19'49	8♒ 5	3°26	9°43	0♐14	1°34	10°34	3°15	17°22	14°46	7°57	7°15	5°35	n.a.	F 29
S 30	1 35 47	23°21'02	19°58	4°59	10°44	1° 1	1°44	10°30	3°14	17°23	14°47	7°58	7°12	5°42	n.a.	S 30
S 31	1 39 44	24♎22'15	1♓57	6♏32	11♐45	1♐48	1♑53	10♉25	3♓13	17♑24	14♐48	7♈59	7♈ 9	5♒48	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n29	25s16	4s53	5n11	0n57	17s20	2s37	15s35	1s 1	24s49	0s56	13n57	1s57	10s57	0s50	17n30	1n25	27s26	4s31	3n17	3n32	24s34		n.a.
S 2	2 4	21 42	4 22	4 26	0 50	17 45	2 40	15 51	1 1	24 48	0 56	13 56	1 57	10 58	0 50	17 29	1 25	27 26	4 31	3 16	3 30	24 32		n.a.
S 3	1 40	17 14	3 40	3 42	0 44	18 9	2 43	16 6	1 2	24 48	0 55	13 55	1 58	10 58	0 49	17 29	1 25	27 26	4 31	3 15	3 29	24 30		n.a.
M 4	1 15	12 3	2 48	2 57	0 38	18 33	2 45	16 21	1 2	24 48	0 55	13 54	1 58	10 59	0 49	17 28	1 25	27 26	4 31	3 14	3 28	24 28		n.a.
T 5	0 50	6 21	1 47	2 13	0 32	18 56	2 48	16 36	1 3	24 48	0 55	13 54	1 58	11 0	0 49	17 28	1 25	27 26	4 31	3 14	3 26	24 26		n.a.
W 6	0 26	0 19	0 40	1 28	0 25	19 19	2 50	16 51	1 3	24 48	0 55	13 53	1 58	11 1	0 49	17 27	1 25	27 26	4 31	3 14	3 25	24 24		n.a.
T 7	0 1	5n50	0n30	0 43	0 19	19 42	2 52	17 6	1 3	24 48	0 55	13 52	1 58	11 2	0 49	17 27	1 26	27 26	4 31	3 14	3 24	24 22		n.a.
F 8	0s23	11 50	1 39	0s 1	0 12	20 4	2 55	17 20	1 4	24 48	0 55	13 51	1 58	11 2	0 49	17 26	1 26	27 26	4 31	3 14	3 23	24 20		n.a.
S 9	0 48	17 27	2 45	0 46	0 6	20 25	2 57	17 35	1 4	24 48	0 55	13 50	1 58	11 3	0 49	17 26	1 26	27 26	4 31	3 14	3 21	24 18		n.a.
S 10	1 13	22 20	3 43	1 30	0s 1	20 46	2 59	17 49	1 5	24 48	0 55	13 48	1 58	11 4	0 49	17 25	1 26	27 27	4 31	3 14	3 20	24 16		n.a.
M11	1 37	26 8	4 29	2 15	0 7	21 7	3 1	18 3	1 5	24 48	0 55	13 47	1 58	11 5	0 49	17 25	1 26	27 27	4 31	3 14	3 19	24 14		n.a.
T 12	2 2	28 30	5 1	2 59	0 14	21 26	3 3	18 17	1 5	24 48	0 55	13 46	1 58	11 5	0 49	17 24	1 26	27 27	4 31	3 14	3 18	24 12		n.a.
W13	2 26	29 7	5 16	3 43	0 20	21 46	3 5	18 31	1 6	24 48	0 55	13 45	1 58	11 6	0 49	17 24	1 26	27 27	4 30	3 14	3 16	24 10		n.a.
T 14	2 51	27 51	5 13	4 26	0 26	22 5	3 6	18 44	1 6	24 48	0 55	13 44	1 58	11 7	0 49	17 23	1 26	27 27	4 30	3 14	3 15	24 8		n.a.
F 15	3 15	24 46	4 50	5 10	0 33	22 23	3 8	18 58	1 6	24 48	0 55	13 43	1 58	11 7	0 49	17 23	1 26	27 27	4 30	3 14	3 14	24 6		n.a.
S 16	3 40	20 7	4 8	5 53	0 39	22 40	3 9	19 11	1 7	24 48	0 55	13 41	1 58	11 8	0 49	17 23	1 26	27 27	4 30	3 14	3 12	24 4		n.a.
S 17	4 4	14 17	3 11	6 36	0 45	22 57	3 11	19 24	1 7	24 48	0 55	13 40	1 58	11 9	0 49	17 22	1 26	27 27	4 30	3 15	3 11	24 2		n.a.
M18	4 29	7 41	2 2	7 18	0 51	23 14	3 12	19 37	1 7	24 48	0 55	13 39	1 58	11 9	0 49	17 22	1 26	27 27	4 30	3 15	3 10	24 0		n.a.
T 19	4 53	0 45	0 45	8 0	0 57	23 30	3 13	19 49	1 8	24 48	0 54	13 38	1 59	11 10	0 49	17 21	1 26	27 27	4 30	3 15	3 9	23 58		n.a.
W20	5 17	6s 8	0s33	8 42	1 3	23 45	3 14	20 2	1 8	24 48	0 54	13 36	1 59	11 11	0 49	17 21	1 26	27 27	4 30	3 15	3 7	23 56		n.a.
T 21	5 42	12 36	1 48	9 23	1 9	24 0	3 15	20 14	1 8	24 48	0 54	13 35	1 59	11 11	0 49	17 20	1 26	27 27	4 30	3 15	3 6	23 54		n.a.
F 22	6 6	18 19	2 55	10 4	1 14	24 14	3 15	20 26	1 9	24 48	0 54	13 34	1 59	11 12	0 49	17 20	1 26	27 27	4 30	3 14	3 5	23 52		n.a.
S 23	6 30	23 0	3 50	10 45	1 20	24 27	3 16	20 38	1 9	24 48	0 54	13 32	1 59	11 12	0 49	17 20	1 26	27 28	4 30	3 14	3 3	23 50		n.a.
S 24	6 53	26 27	4 33	11 25	1 25	24 40	3 16	20 49	1 9	24 48	0 54	13 31	1 59	11 13	0 49	17 19	1 26	27 28	4 30	3 13	3 2	23 48		n.a.
M25	7 17	28 31	5 1	12 4	1 30	24 52	3 16	21 1	1 9	24 47	0 54	13 30	1 59	11 14	0 49	17 19	1 26	27 28	4 30	3 13	3 1	23 45		n.a.
T 26	7 41	29 7	5 15	12 43	1 35	25 3	3 17	21 12	1 10	24 47	0 54	13 28	1 59	11 14	0 49	17 19	1 26	27 28	4 30	3 13	3 0	23 43		n.a.
W27	8 4	28 19	5 14	13 21	1 40	25 14	3 16	21 23	1 10	24 47	0 54	13 27	1 59	11 15	0 49	17 18	1 26	27 28	4 30	3 12	2 58	23 41		n.a.
T 28	8 28	26 13	5 0	13 59	1 45	25 24	3 16	21 33	1 10	24 47	0 54	13 25	1 59	11 15	0 49	17 18	1 27	27 28	4 30	3 12	2 57	23 39		n.a.
F 29	8 51	22 59	4 34	14 36	1 49	25 33	3 16	21 44	1 10	24 47	0 54	13 24	1 59	11 16	0 49	17 18	1 27	27 28	4 30	3 12	2 56	23 37		n.a.
S 30	9 14	18 49	3 55	15 12	1 53	25 42	3 15	21 54	1 11	24 47	0 54	13 22	1 59	11 16	0 49	17 17	1 27	27 28	4 30	3 13	2 55	23 35		n.a.
S 31	9s37	13s52	3s 6	15s47	1s57	25s50	3s15	22s 4	1s11	24s47	0s54	13n21	1s59	11s16	0s49	17n17	1n27	27s29	4s30	3n14	2n53	23s33		n.a.

Julian Day Number = 1107711.5, Delta T = 10h55m50s
Ecliptic obliquity = 23°53'35, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°15'03, Lahiri = -27°08'03 Julian Calendar 1 Oct. 1681 BCE == Greg. Calendar 17 Sept. 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

NOVEMBER 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 43 41	25♎23'29	14♓ 7	8♏ 5	12♐45	2♐35	2♑ 2	10°R20	3°R11	17♌25	14♐50	8♈ 1	7♈ 6	5♒55	n.a.	M 1
T 2	1 47 37	26°24'43	26°30	9°38	13°45	3°22	2°12	10♉16	3♓10	17°26	14°51	8° 2	7° 2	6° 2	n.a.	T 2
W 3	1 51 34	27°25'58	9♈ 8	11°10	14°45	4° 9	2°21	10°11	3° 9	17°27	14°52	8°R 2	6°59	6° 9	n.a.	W 3
T 4	1 55 30	28°27'13	22° 5	12°43	15°44	4°56	2°31	10° 6	3° 8	17°28	14°54	8° 2	6°56	6°15	n.a.	T 4
F 5	1 59 27	29°28'29	5♉18	14°14	16°42	5°42	2°41	10° 1	3° 7	17°29	14°55	8° 0	6°53	6°22	n.a.	F 5
S 6	2 3 23	0♏29'45	18°48	15°46	17°40	6°29	2°51	9°56	3° 6	17°30	14°56	7°57	6°50	6°29	n.a.	S 6
S 7	2 7 20	1°31'01	2♊32	17°17	18°38	7°16	3° 1	9°51	3° 5	17°31	14°58	7°53	6°46	6°35	n.a.	S 7
M 8	2 11 16	2°32'18	16°27	18°47	19°34	8° 3	3°11	9°46	3° 4	17°32	14°59	7°50	6°43	6°42	n.a.	M 8
T 9	2 15 13	3°33'36	0♋30	20°16	20°31	8°50	3°22	9°41	3° 3	17°33	15° 1	7°46	6°40	6°49	n.a.	T 9
W10	2 19 10	4°34'54	14°38	21°44	21°27	9°37	3°32	9°36	3° 2	17°34	15° 2	7°44	6°37	6°56	n.a.	W10
T 11	2 23 6	5°36'13	28°48	23°11	22°22	10°25	3°43	9°32	3° 1	17°35	15° 4	7°42	6°34	7° 2	n.a.	T 11
F 12	2 27 3	6°37'32	12♌58	24°36	23°16	11°12	3°54	9°27	3° 1	17°35	15° 5	7°D42	6°31	7° 9	n.a.	F 12
S 13	2 30 59	7°38'52	27° 5	26° 0	24°10	11°59	4° 4	9°22	3° 0	17°36	15° 7	7°43	6°27	7°16	n.a.	S 13
S 14	2 34 56	8°40'12	11♍ 9	27°21	25° 3	12°46	4°15	9°17	2°59	17°37	15° 9	7°45	6°24	7°22	n.a.	S 14
M15	2 38 52	9°41'32	25° 8	28°40	25°56	13°33	4°26	9°11	2°59	17°37	15°10	7°46	6°21	7°29	n.a.	M15
T 16	2 42 49	10°42'53	9♎ 0	29°55	26°48	14°20	4°37	9° 6	2°58	17°38	15°12	7°R47	6°18	7°36	n.a.	T 16
W17	2 46 46	11°44'14	22°42	1♐ 7	27°39	15° 7	4°49	9° 1	2°58	17°39	15°13	7°46	6°15	7°42	n.a.	W17
T 18	2 50 42	12°45'34	6♏13	2°15	28°29	15°54	5° 0	8°56	2°57	17°39	15°15	7°43	6°12	7°49	n.a.	T 18
F 19	2 54 39	13°46'55	19°31	3°18	29°19	16°41	5°11	8°51	2°57	17°40	15°17	7°38	6° 8	7°56	n.a.	F 19
S 20	2 58 35	14°48'16	2♐32	4°15	0♑ 7	17°28	5°23	8°47	2°57	17°40	15°18	7°32	6° 5	8° 3	n.a.	S 20
S 21	3 2 32	15°49'36	15°18	5° 6	0°55	18°15	5°35	8°42	2°56	17°41	15°20	7°25	6° 2	8° 9	n.a.	S 21
M22	3 6 28	16°50'56	27°48	5°49	1°42	19° 2	5°46	8°37	2°56	17°41	15°22	7°18	5°59	8°16	n.a.	M22
T 23	3 10 25	17°52'16	10♑ 3	6°24	2°28	19°50	5°58	8°32	2°56	17°41	15°24	7°11	5°56	8°23	n.a.	T 23
W24	3 14 22	18°53'35	22° 6	6°50	3°13	20°37	6°10	8°27	2°56	17°42	15°25	7° 6	5°52	8°29	n.a.	W24
T 25	3 18 18	19°54'54	4♒ 0	7° 6	3°56	21°24	6°22	8°22	2°56	17°42	15°27	7° 2	5°49	8°36	n.a.	T 25
F 26	3 22 15	20°56'11	15°51	7°R11	4°39	22°11	6°34	8°17	2°D56	17°42	15°29	7°D 1	5°46	8°43	n.a.	F 26
S 27	3 26 11	21°57'29	27°42	7° 5	5°21	22°58	6°46	8°12	2°56	17°42	15°31	7° 1	5°43	8°49	n.a.	S 27
S 28	3 30 8	22°58'45	9♓40	6°47	6° 1	23°45	6°59	8° 8	2°56	17°43	15°32	7° 2	5°40	8°56	n.a.	S 28
M29	3 34 4	24° 0'00	21°49	6°17	6°40	24°32	7°11	8° 3	2°56	17°43	15°34	7° 3	5°37	9° 3	n.a.	M29
T 30	3 38 1	25♏ 1'15	4♈14	5♐36	7♑18	25♐19	7♑23	7♉58	2♓56	17♌43	15♐36	7°R 4	5♈33	9♒10	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10s 0	8s20	2s 8	16s21	2s 0	25s58	3s14	22s14	1s11	24s46	0s54	13n20	1s59	11s17	0s49	17n17	1n27	27s29	4s30	3n14	2n52	23s31		n.a.
T 2	10 23	2 23	1 3	16 55	2 3	26 4	3 13	22 23	1 11	24 46	0 54	13 18	1 59	11 17	0 49	17 16	1 27	27 29	4 30	3 15	2 51	23 28		n.a.
W 3	10 45	3n47	0n 6	17 27	2 6	26 10	3 12	22 33	1 11	24 46	0 54	13 17	1 59	11 18	0 49	17 16	1 27	27 29	4 30	3 15	2 49	23 26		n.a.
T 4	11 8	9 56	1 17	17 59	2 8	26 16	3 10	22 42	1 12	24 46	0 54	13 15	1 59	11 18	0 49	17 16	1 27	27 29	4 30	3 14	2 48	23 24		n.a.
F 5	11 30	15 48	2 25	18 29	2 10	26 21	3 9	22 50	1 12	24 46	0 54	13 14	1 58	11 18	0 49	17 16	1 27	27 29	4 30	3 14	2 47	23 22		n.a.
S 6	11 52	21 2	3 26	18 58	2 12	26 25	3 7	22 59	1 12	24 45	0 54	13 12	1 58	11 19	0 48	17 15	1 27	27 29	4 30	3 13	2 46	23 20		n.a.
S 7	12 13	25 14	4 16	19 26	2 13	26 28	3 5	23 7	1 12	24 45	0 54	13 11	1 58	11 19	0 48	17 15	1 27	27 30	4 30	3 11	2 44	23 18		n.a.
M 8	12 35	28 2	4 52	19 52	2 13	26 31	3 3	23 15	1 12	24 45	0 54	13 9	1 58	11 19	0 48	17 15	1 27	27 30	4 30	3 10	2 43	23 15		n.a.
T 9	12 56	29 4	5 11	20 17	2 14	26 33	3 0	23 23	1 12	24 44	0 53	13 7	1 58	11 20	0 48	17 15	1 27	27 30	4 30	3 8	2 42	23 13		n.a.
W10	13 17	28 13	5 11	20 41	2 13	26 34	2 58	23 30	1 12	24 44	0 53	13 6	1 58	11 20	0 48	17 15	1 27	27 30	4 30	3 7	2 40	23 11		n.a.
T 11	13 38	25 33	4 53	21 3	2 12	26 35	2 55	23 38	1 12	24 44	0 53	13 4	1 58	11 20	0 48	17 14	1 27	27 30	4 30	3 7	2 39	23 9		n.a.
F 12	13 59	21 20	4 16	21 23	2 10	26 35	2 52	23 45	1 13	24 43	0 53	13 3	1 58	11 20	0 48	17 14	1 27	27 30	4 30	3 7	2 38	23 7		n.a.
S 13	14 19	15 54	3 24	21 41	2 7	26 35	2 49	23 51	1 13	24 43	0 53	13 1	1 58	11 21	0 48	17 14	1 27	27 31	4 30	3 7	2 37	23 4		n.a.
S 14	14 40	9 41	2 20	21 57	2 4	26 33	2 46	23 58	1 13	24 43	0 53	13 0	1 58	11 21	0 48	17 14	1 27	27 31	4 30	3 8	2 35	23 2		n.a.
M15	14 59	3 1	1 9	22 11	2 0	26 32	2 42	24 4	1 13	24 42	0 53	12 58	1 58	11 21	0 48	17 14	1 28	27 31	4 30	3 8	2 34	23 0		n.a.
T 16	15 19	3s44	0s 7	22 23	1 55	26 29	2 38	24 10	1 13	24 42	0 53	12 57	1 58	11 21	0 48	17 14	1 28	27 31	4 30	3 9	2 33	22 58		n.a.
W17	15 39	10 14	1 21	22 32	1 48	26 26	2 34	24 15	1 13	24 41	0 53	12 55	1 58	11 21	0 48	17 13	1 28	27 31	4 30	3 8	2 32	22 55		n.a.
T 18	15 58	16 11	2 29	22 39	1 41	26 23	2 30	24 20	1 13	24 41	0 53	12 54	1 58	11 21	0 48	17 13	1 28	27 32	4 30	3 7	2 30	22 53		n.a.
F 19	16 16	21 16	3 28	22 44	1 33	26 18	2 25	24 25	1 13	24 40	0 53	12 52	1 57	11 21	0 48	17 13	1 28	27 32	4 30	3 5	2 29	22 51		n.a.
S 20	16 35	25 13	4 14	22 46	1 24	26 14	2 20	24 30	1 13	24 40	0 53	12 51	1 57	11 22	0 48	17 13	1 28	27 32	4 30	3 3	2 28	22 49		n.a.
S 21	16 53	27 49	4 47	22 45	1 13	26 8	2 15	24 35	1 13	24 39	0 53	12 49	1 57	11 22	0 48	17 13	1 28	27 32	4 30	3 0	2 26	22 46		n.a.
M22	17 11	28 58	5 5	22 41	1 1	26 3	2 10	24 39	1 13	24 39	0 53	12 48	1 57	11 22	0 48	17 13	1 28	27 32	4 30	2 57	2 25	22 44		n.a.
T 23	17 29	28 38	5 9	22 34	0 48	25 56	2 4	24 43	1 13	24 38	0 53	12 46	1 57	11 22	0 48	17 13	1 28	27 33	4 30	2 54	2 24	22 42		n.a.
W24	17 46	26 57	4 59	22 24	0 33	25 49	1 58	24 46	1 13	24 38	0 53	12 45	1 57	11 22	0 48	17 13	1 28	27 33	4 30	2 52	2 23	22 40		n.a.
T 25	18 3	24 5	4 36	22 12	0 18	25 42	1 52	24 50	1 13	24 37	0 53	12 43	1 57	11 22	0 48	17 13	1 28	27 33	4 30	2 51	2 21	22 37		n.a.
F 26	18 20	20 13	4 1	21 56	0 1	25 34	1 45	24 53	1 13	24 37	0 53	12 42	1 57	11 22	0 48	17 13	1 28	27 33	4 30	2 50	2 20	22 35		n.a.
S 27	18 36	15 34	3 16	21 37	0n17	25 26	1 39	24 55	1 13	24 36	0 53	12 40	1 56	11 22	0 48	17 13	1 28	27 34	4 30	2 50	2 19	22 33		n.a.
S 28	18 52	10 17	2 23	21 15	0 36	25 17	1 32	24 58	1 13	24 35	0 53	12 39	1 56	11 22	0 48	17 13	1 28	27 34	4 30	2 50	2 17	22 30		n.a.
M29	19 8	4 33	1 21	20 51	0 56	25 7	1 24	25 0	1 13	24 35	0 53	12 38	1 56	11 21	0 48	17 13	1 28	27 34	4 30	2 51	2 16	22 28		n.a.
T 30	19s23	1n29	0s15	20s24	1n15	24s58	1s17	25s 2	1s13	24s34	0s53	12n36	1s56	11s21	0s48	17n13	1n28	27s34	4s30	2n51	2n15	22s26		n.a.

Julian Day Number = 1107742.5, Delta T = 10h55m48s
Ecliptic obliquity = 23°53'35, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'59, Lahiri = -27°07'58 Julian Calendar 1 Nov. 1681 BCE == Greg. Calendar 18 Oct. 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1681 BCE
geocentric

DECEMBER 1681 BCE (-1680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 41 57	26♏ 2'29	16♈59	4°R44	7♉54	26♐ 6	7♉36	7°R54	2♓56	17♎43	15♐38	7°R 4	5♈30	9♒16	n.a.	W 1
T 2	3 45 54	27° 3'42	0♉ 7	3♐42	8°29	26°53	7°48	7♉49	2°57	17°43	15°39	7♈ 1	5°27	9°23	n.a.	T 2
F 3	3 49 51	28° 4'54	13°38	2°33	9° 3	27°40	8° 1	7°44	2°57	17°R43	15°41	6°56	5°24	9°30	n.a.	F 3
S 4	3 53 47	29° 6'06	27°32	1°19	9°35	28°27	8°14	7°40	2°57	17°43	15°43	6°49	5°21	9°36	n.a.	S 4
S 5	3 57 44	0♐ 7'17	11♊44	0° 1	10° 5	29°14	8°26	7°35	2°58	17°43	15°45	6°41	5°18	9°43	n.a.	S 5
M 6	4 1 40	1° 8'27	26°10	28♏43	10°34	0♉ 1	8°39	7°31	2°58	17°43	15°47	6°31	5°14	9°50	n.a.	M 6
T 7	4 5 37	2° 9'37	10♋42	27°26	11° 1	0°48	8°52	7°27	2°59	17°43	15°49	6°23	5°11	9°56	n.a.	T 7
W 8	4 9 33	3°10'45	25°14	26°14	11°27	1°35	9° 5	7°23	3° 0	17°43	15°50	6°15	5° 8	10° 3	n.a.	W 8
T 9	4 13 30	4°11'54	9♌40	25° 7	11°50	2°22	9°18	7°18	3° 0	17°43	15°52	6°10	5° 5	10°10	n.a.	T 9
F 10	4 17 27	5°13'01	23°56	24° 7	12°12	3° 9	9°31	7°14	3° 1	17°42	15°54	6° 8	5° 2	10°17	n.a.	F 10
S 11	4 21 23	6°14'08	8♍ 1	23°15	12°31	3°56	9°44	7°10	3° 2	17°42	15°56	6°D 7	4°58	10°23	n.a.	S 11
S 12	4 25 20	7°15'14	21°53	22°32	12°49	4°43	9°57	7° 6	3° 3	17°42	15°58	6° 8	4°55	10°30	n.a.	S 12
M13	4 29 16	8°16'19	5♎32	21°59	13° 5	5°30	10°11	7° 2	3° 3	17°42	16° 0	6°R 8	4°52	10°37	n.a.	M13
T 14	4 33 13	9°17'24	19° 0	21°34	13°18	6°17	10°24	6°58	3° 4	17°41	16° 2	6° 8	4°49	10°43	n.a.	T 14
W15	4 37 9	10°18'27	2♏17	21°18	13°30	7° 4	10°37	6°55	3° 5	17°41	16° 4	6° 5	4°46	10°50	n.a.	W15
T 16	4 41 6	11°19'30	15°23	21°D11	13°39	7°50	10°51	6°51	3° 6	17°41	16° 5	5°59	4°43	10°57	n.a.	T 16
F 17	4 45 3	12°20'32	28°18	21°12	13°45	8°37	11° 4	6°47	3° 7	17°40	16° 7	5°50	4°39	11° 3	n.a.	F 17
S 18	4 48 59	13°21'32	11♐ 2	21°20	13°50	9°24	11°18	6°44	3° 9	17°40	16° 9	5°39	4°36	11°10	n.a.	S 18
S 19	4 52 56	14°22'31	23°35	21°35	13°R52	10°11	11°31	6°40	3°10	17°39	16°11	5°26	4°33	11°17	n.a.	S 19
M20	4 56 52	15°23'29	5♑56	21°57	13°51	10°58	11°45	6°37	3°11	17°39	16°13	5°12	4°30	11°24	n.a.	M20
T 21	5 0 49	16°24'26	18° 5	22°24	13°48	11°44	11°59	6°34	3°12	17°38	16°15	5° 0	4°27	11°30	n.a.	T 21
W22	5 4 45	17°25'21	0♒ 5	22°57	13°42	12°31	12°13	6°31	3°14	17°37	16°17	4°49	4°24	11°37	n.a.	W22
T 23	5 8 42	18°26'14	11°58	23°35	13°34	13°18	12°26	6°28	3°15	17°37	16°19	4°40	4°20	11°44	n.a.	T 23
F 24	5 12 38	19°27'06	23°47	24°18	13°23	14° 4	12°40	6°25	3°16	17°36	16°21	4°35	4°17	11°50	n.a.	F 24
S 25	5 16 35	20°27'56	5♓37	25° 4	13°10	14°51	12°54	6°22	3°18	17°35	16°23	4°32	4°14	11°57	n.a.	S 25
S 26	5 20 32	21°28'44	17°31	25°54	12°54	15°38	13° 8	6°19	3°19	17°35	16°24	4°D31	4°11	12° 4	n.a.	S 26
M27	5 24 28	22°29'31	29°37	26°48	12°36	16°24	13°22	6°16	3°21	17°34	16°26	4°R31	4° 8	12°10	n.a.	M27
T 28	5 28 25	23°30'15	11♈59	27°45	12°16	17°11	13°36	6°14	3°22	17°33	16°28	4°31	4° 4	12°17	n.a.	T 28
W29	5 32 21	24°30'58	24°42	28°45	11°53	17°57	13°50	6°11	3°24	17°32	16°30	4°29	4° 1	12°24	n.a.	W29
T 30	5 36 18	25°31'39	7♉51	29°47	11°27	18°44	14° 4	6° 9	3°26	17°31	16°32	4°26	3°58	12°31	n.a.	T 30
F 31	5 40 14	26♐32'18	21♉29	0♐52	11♉ 0	19♉30	14♉18	6♉ 7	3♓28	17♎31	16♐34	4♈19	3♈55	12♒37	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	19s38	7n37	0n53	19s56	1n35	24s48	1s 9	25s 3	1s13	24s33	0s53	12n35	1s56	11s21	0s47	17n13	1n28	27s34	4s30	2n51	2n14	22s23			n.a.
T 2	19 52	13 36	2 1	19 25	1 54	24 37	1 0	25 4	1 13	24 32	0 53	12 34	1 56	11 21	0 47	17 13	1 29	27 35	4 30	2 50	2 12	22 21			n.a.
F 3	20 6	19 8	3 3	18 54	2 13	24 26	0 52	25 5	1 13	24 32	0 53	12 32	1 55	11 21	0 47	17 13	1 29	27 35	4 30	2 48	2 11	22 19			n.a.
S 4	20 20	23 49	3 57	18 22	2 30	24 15	0 43	25 6	1 13	24 31	0 53	12 31	1 55	11 21	0 47	17 13	1 29	27 35	4 30	2 45	2 10	22 16			n.a.
S 5	20 34	27 11	4 37	17 51	2 45	24 4	0 34	25 6	1 13	24 30	0 53	12 30	1 55	11 20	0 47	17 13	1 29	27 35	4 30	2 42	2 8	22 14			n.a.
M 6	20 47	28 50	5 0	17 22	2 58	23 52	0 24	25 6	1 13	24 29	0 53	12 28	1 55	11 20	0 47	17 13	1 29	27 36	4 30	2 38	2 7	22 12			n.a.
T 7	20 59	28 30	5 4	16 54	3 9	23 40	0 14	25 6	1 13	24 28	0 53	12 27	1 55	11 20	0 47	17 13	1 29	27 36	4 30	2 35	2 6	22 9			n.a.
W 8	21 11	26 13	4 49	16 29	3 17	23 27	0 4	25 5	1 13	24 27	0 53	12 26	1 55	11 20	0 47	17 13	1 29	27 36	4 30	2 32	2 5	22 7			n.a.
T 9	21 23	22 15	4 15	16 7	3 23	23 15	0n 7	25 5	1 12	24 26	0 53	12 25	1 54	11 19	0 47	17 13	1 29	27 36	4 30	2 30	2 3	22 5			n.a.
F 10	21 34	17 1	3 25	15 49	3 27	23 2	0 18	25 4	1 12	24 25	0 53	12 23	1 54	11 19	0 47	17 14	1 29	27 37	4 30	2 29	2 2	22 2			n.a.
S 11	21 45	10 57	2 24	15 35	3 28	22 49	0 29	25 2	1 12	24 25	0 53	12 22	1 54	11 19	0 47	17 14	1 29	27 37	4 31	2 29	2 1	22 0			n.a.
S 12	21 56	4 26	1 15	15 24	3 28	22 35	0 41	25 0	1 12	24 24	0 53	12 21	1 54	11 18	0 47	17 14	1 29	27 37	4 31	2 29	1 59	21 58			n.a.
M13	22 6	2s11	0 3	15 18	3 26	22 22	0 52	24 58	1 12	24 23	0 53	12 20	1 54	11 18	0 47	17 14	1 29	27 37	4 31	2 29	1 58	21 55			n.a.
T 14	22 16	8 37	1s 8	15 15	3 22	22 8	1 5	24 56	1 12	24 21	0 53	12 19	1 53	11 18	0 47	17 14	1 29	27 38	4 31	2 29	1 57	21 53			n.a.
W15	22 25	14 35	2 14	15 15	3 17	21 55	1 17	24 54	1 12	24 20	0 53	12 18	1 53	11 17	0 47	17 14	1 29	27 38	4 31	2 27	1 56	21 50			n.a.
T 16	22 34	19 49	3 13	15 19	3 11	21 41	1 30	24 51	1 11	24 19	0 53	12 17	1 53	11 17	0 47	17 14	1 29	27 38	4 31	2 25	1 54	21 48			n.a.
F 17	22 42	24 3	4 0	15 26	3 4	21 27	1 43	24 48	1 11	24 18	0 53	12 16	1 53	11 17	0 47	17 15	1 29	27 39	4 31	2 22	1 53	21 46			n.a.
S 18	22 50	27 3	4 34	15 36	2 56	21 13	1 57	24 44	1 11	24 17	0 53	12 15	1 53	11 16	0 47	17 15	1 29	27 39	4 31	2 17	1 52	21 43			n.a.
S 19	22 57	28 39	4 55	15 48	2 48	21 0	2 11	24 40	1 11	24 16	0 53	12 14	1 52	11 16	0 47	17 15	1 30	27 39	4 31	2 12	1 50	21 41			n.a.
M20	23 4	28 46	5 1	16 2	2 39	20 46	2 25	24 36	1 11	24 15	0 53	12 13	1 52	11 15	0 47	17 15	1 30	27 39	4 31	2 6	1 49	21 38			n.a.
T 21	23 11	27 29	4 53	16 18	2 30	20 32	2 39	24 32	1 11	24 13	0 53	12 12	1 52	11 15	0 47	17 16	1 30	27 40	4 31	2 1	1 48	21 36			n.a.
W22	23 17	24 57	4 33	16 36	2 21	20 18	2 53	24 28	1 10	24 12	0 53	12 11	1 52	11 14	0 47	17 16	1 30	27 40	4 31	1 57	1 47	21 33			n.a.
T 23	23 23	21 22	4 1	16 55	2 11	20 4	3 8	24 23	1 10	24 11	0 53	12 11	1 51	11 14	0 47	17 16	1 30	27 40	4 31	1 53	1 45	21 31			n.a.
F 24	23 28	16 57	3 18	17 15	2 1	19 51	3 22	24 18	1 10	24 10	0 53	12 10	1 51	11 13	0 46	17 16	1 30	27 41	4 31	1 51	1 44	21 28			n.a.
S 25	23 33	11 54	2 27	17 36	1 51	19 37	3 37	24 12	1 10	24 8	0 53	12 9	1 51	11 12	0 46	17 17	1 30	27 41	4 32	1 50	1 43	21 26			n.a.
S 26	23 37	6 23	1 29	17 57	1 42	19 24	3 52	24 7	1 10	24 7	0 53	12 9	1 51	11 12	0 46	17 17	1 30	27 41	4 32	1 50	1 42	21 24			n.a.
M27	23 40	0 33	0 26	18 20	1 32	19 11	4 7	24 1	1 9	24 6	0 53	12 8	1 50	11 11	0 46	17 17	1 30	27 41	4 32	1 50	1 40	21 21			n.a.
T 28	23 44	5n26	0n39	18 42	1 22	18 58	4 22	23 54	1 9	24 4	0 53	12 7	1 50	11 11	0 46	17 17	1 30	27 42	4 32	1 50	1 39	21 19			n.a.
W29	23 47	11 22	1 45	19 5	1 12	18 46	4 36	23 48	1 9	24 3	0 53	12 7	1 50	11 10	0 46	17 18	1 30	27 42	4 32	1 49	1 38	21 16			n.a.
T 30	23 49	17 1	2 46	19 28	1 2	18 34	4 51	23 41	1 9	24 1	0 53	12 6	1 50	11 9	0 46	17 18	1 30	27 42	4 32	1 48	1 36	21 14			n.a.
F 31	23s51	22n 1	3n41	19s51	0n53	18s22	5n 5	23s34	1s 8	24s 0	0s53	12n 6	1s49	11s 9	0s46	17n18	1n30	27s43	4s32	1n45	1n35	21s11			n.a.

Julian Day Number = 1107772.5, Delta T = 10h55m46s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'55, Lahiri = -27°07'54 Julian Calendar 1 Dec. 1681 BCE == Greg. Calendar 17 Nov. 1681 BCE

The year -1680 astronomical counting style corresponds to year 1681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

JANUARY 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 44 11	27♐32'56	5♊34	1♐59	10°R31	20♑17	14♑32	6°R 4	3♓29	17°R30	16♐36	4°R10	3♈52	12♒44	n.a.	S 1
S 2	5 48 7	28°33'31	20° 4	3° 8	9♑59	21° 3	14°46	6♉ 2	3°31	17♏29	16°38	3♈59	3°49	12°51	n.a.	S 2
M 3	5 52 4	29°34'05	4♋53	4°19	9°27	21°49	15° 0	6° 0	3°33	17°28	16°39	3°47	3°45	12°57	n.a.	M 3
T 4	5 56 1	0♑34'38	19°52	5°32	8°52	22°36	15°14	5°59	3°35	17°27	16°41	3°36	3°42	13° 4	n.a.	T 4
W 5	5 59 57	1°35'08	4♏51	6°46	8°17	23°22	15°28	5°57	3°37	17°26	16°43	3°26	3°39	13°11	n.a.	W 5
T 6	6 3 54	2°35'37	19°41	8° 2	7°41	24° 8	15°43	5°55	3°39	17°25	16°45	3°19	3°36	13°17	n.a.	T 6
F 7	6 7 50	3°36'04	4♍16	9°20	7° 3	24°54	15°57	5°54	3°41	17°24	16°47	3°14	3°33	13°24	n.a.	F 7
S 8	6 11 47	4°36'30	18°31	10°39	6°26	25°41	16°11	5°52	3°43	17°23	16°49	3°12	3°30	13°31	n.a.	S 8
S 9	6 15 43	5°36'54	2♎26	12° 0	5°48	26°27	16°25	5°51	3°45	17°22	16°50	3°12	3°26	13°37	n.a.	S 9
M10	6 19 40	6°37'17	16° 0	13°22	5°10	27°13	16°40	5°50	3°47	17°20	16°52	3°12	3°23	13°44	n.a.	M10
T 11	6 23 37	7°37'37	29°17	14°45	4°33	27°59	16°54	5°49	3°49	17°19	16°54	3°11	3°20	13°51	n.a.	T 11
W12	6 27 33	8°37'57	12♏18	16° 9	3°56	28°45	17° 8	5°48	3°52	17°18	16°56	3° 7	3°17	13°58	n.a.	W12
T 13	6 31 30	9°38'15	25° 6	17°35	3°20	29°31	17°23	5°47	3°54	17°17	16°58	3° 1	3°14	14° 4	n.a.	T 13
F 14	6 35 26	10°38'31	7♐42	19° 2	2°45	0♒17	17°37	5°46	3°56	17°16	16°59	2°51	3°10	14°11	n.a.	F 14
S 15	6 39 23	11°38'45	20° 9	20°30	2°11	1° 3	17°51	5°45	3°59	17°14	17° 1	2°39	3° 7	14°18	n.a.	S 15
S 16	6 43 19	12°38'57	2♑26	21°59	1°39	1°49	18° 6	5°45	4° 1	17°13	17° 3	2°26	3° 4	14°24	n.a.	S 16
M17	6 47 16	13°39'08	14°35	23°29	1° 9	2°35	18°20	5°45	4° 3	17°12	17° 5	2°11	3° 1	14°31	n.a.	M17
T 18	6 51 12	14°39'16	26°36	25° 0	0°40	3°20	18°35	5°44	4° 6	17°11	17° 6	1°57	2°58	14°38	n.a.	T 18
W19	6 55 9	15°39'22	8♒31	26°33	0°13	4° 6	18°49	5°44	4° 8	17° 9	17° 8	1°45	2°55	14°44	n.a.	W19
T 20	6 59 6	16°39'26	20°21	28° 6	29♐48	4°52	19° 3	5°D44	4°11	17° 8	17°10	1°36	2°51	14°51	n.a.	T 20
F 21	7 3 2	17°39'28	2♓ 9	29°41	29°26	5°38	19°18	5°44	4°14	17° 7	17°11	1°29	2°48	14°58	n.a.	F 21
S 22	7 6 59	18°39'27	13°58	1♑16	29° 6	6°23	19°32	5°44	4°16	17° 5	17°13	1°26	2°45	15° 4	n.a.	S 22
S 23	7 10 55	19°39'24	25°52	2°53	28°48	7° 9	19°47	5°44	4°19	17° 4	17°15	1°24	2°42	15°11	n.a.	S 23
M24	7 14 52	20°39'19	7♈56	4°31	28°32	7°54	20° 1	5°45	4°21	17° 2	17°16	1°D24	2°39	15°18	n.a.	M24
T 25	7 18 48	21°39'12	20°14	6°10	28°19	8°40	20°15	5°45	4°24	17° 1	17°18	1°R24	2°36	15°25	n.a.	T 25
W26	7 22 45	22°39'02	2♉53	7°50	28° 9	9°25	20°30	5°46	4°27	16°59	17°20	1°24	2°32	15°31	n.a.	W26
T 27	7 26 41	23°38'49	15°57	9°32	28° 1	10°11	20°44	5°47	4°30	16°58	17°21	1°22	2°29	15°38	n.a.	T 27
F 28	7 30 38	24°38'35	29°30	11°14	27°55	10°56	20°59	5°48	4°32	16°56	17°23	1°17	2°26	15°45	n.a.	F 28
S 29	7 34 34	25°38'17	13♊33	12°58	27°52	11°42	21°13	5°48	4°35	16°55	17°24	1°10	2°23	15°51	n.a.	S 29
S 30	7 38 31	26°37'58	28° 4	14°42	27°D51	12°27	21°27	5°50	4°38	16°53	17°26	1° 2	2°20	15°58	n.a.	S 30
M31	7 42 28	27♑37'36	13♋ 0	16♑28	27♐53	13♒12	21♑42	5♉51	4♓41	16♏52	17♐28	0♈52	2♈16	16♒ 5	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s52	25n58	4n24	20s14	0n43	18s10	5n19	23s27	1s 8	23s58	0s54	12n 5	1s49	11s 8	0s46	17n19	1n30	27s43	4s32	1n41	1n34	21s 9		n.a.
S 2	23 53	28 21	4 51	20 37	0 34	17 59	5 33	23 20	1 8	23 57	0 54	12 5	1 49	11 7	0 46	17 19	1 30	27 43	4 32	1 37	1 33	21 6		n.a.
M 3	23 53	28 48	5 0	21 0	0 25	17 48	5 46	23 12	1 8	23 55	0 54	12 4	1 49	11 6	0 46	17 19	1 30	27 43	4 32	1 32	1 31	21 4		n.a.
T 4	23 53	27 8	4 48	21 22	0 16	17 38	5 58	23 4	1 7	23 53	0 54	12 4	1 48	11 6	0 46	17 20	1 30	27 44	4 32	1 27	1 30	21 1		n.a.
W 5	23 53	23 33	4 17	21 44	0 7	17 28	6 11	22 56	1 7	23 52	0 54	12 3	1 48	11 5	0 46	17 20	1 30	27 44	4 33	1 23	1 29	20 59		n.a.
T 6	23 52	18 28	3 28	22 5	0s 1	17 19	6 22	22 47	1 7	23 50	0 54	12 3	1 48	11 4	0 46	17 20	1 30	27 44	4 33	1 20	1 27	20 56		n.a.
F 7	23 51	12 24	2 26	22 26	0 9	17 10	6 33	22 38	1 6	23 49	0 54	12 3	1 48	11 3	0 46	17 21	1 31	27 45	4 33	1 19	1 26	20 54		n.a.
S 8	23 49	5 48	1 17	22 45	0 18	17 2	6 43	22 29	1 6	23 47	0 54	12 3	1 47	11 3	0 46	17 21	1 31	27 45	4 33	1 18	1 25	20 51		n.a.
S 9	23 46	0s55	0 4	23 5	0 25	16 54	6 52	22 20	1 6	23 45	0 54	12 2	1 47	11 2	0 46	17 22	1 31	27 45	4 33	1 18	1 24	20 49		n.a.
M10	23 43	7 27	1s 7	23 23	0 33	16 47	7 1	22 11	1 5	23 43	0 54	12 2	1 47	11 1	0 46	17 22	1 31	27 46	4 33	1 18	1 22	20 46		n.a.
T 11	23 40	13 30	2 13	23 40	0 40	16 41	7 8	22 1	1 5	23 42	0 54	12 2	1 47	11 0	0 46	17 22	1 31	27 46	4 33	1 17	1 21	20 43		n.a.
W12	23 36	18 50	3 11	23 57	0 48	16 35	7 15	21 51	1 5	23 40	0 54	12 2	1 46	10 59	0 46	17 23	1 31	27 46	4 33	1 16	1 20	20 41		n.a.
T 13	23 32	23 14	3 57	24 12	0 54	16 30	7 21	21 41	1 4	23 38	0 54	12 2	1 46	10 58	0 46	17 23	1 31	27 46	4 34	1 13	1 18	20 38		n.a.
F 14	23 27	26 28	4 32	24 27	1 1	16 26	7 26	21 31	1 4	23 36	0 54	12 2	1 46	10 57	0 46	17 24	1 31	27 47	4 34	1 9	1 17	20 36		n.a.
S 15	23 22	28 23	4 53	24 40	1 7	16 22	7 31	21 20	1 4	23 34	0 54	12 2	1 45	10 57	0 46	17 24	1 31	27 47	4 34	1 5	1 16	20 33		n.a.
S 16	23 17	28 52	5 0	24 52	1 13	16 19	7 34	21 10	1 3	23 32	0 54	12 2	1 45	10 56	0 46	17 24	1 31	27 47	4 34	0 59	1 15	20 31		n.a.
M17	23 11	27 56	4 53	25 3	1 19	16 17	7 36	20 59	1 3	23 30	0 54	12 2	1 45	10 55	0 46	17 25	1 31	27 48	4 34	0 53	1 13	20 28		n.a.
T 18	23 4	25 42	4 33	25 12	1 25	16 15	7 38	20 48	1 3	23 29	0 54	12 3	1 45	10 54	0 46	17 25	1 31	27 48	4 34	0 48	1 12	20 25		n.a.
W19	22 57	22 21	4 1	25 20	1 30	16 15	7 39	20 36	1 2	23 27	0 55	12 3	1 44	10 53	0 46	17 26	1 31	27 48	4 34	0 43	1 11	20 23		n.a.
T 20	22 50	18 7	3 19	25 27	1 35	16 14	7 39	20 25	1 2	23 25	0 55	12 3	1 44	10 52	0 46	17 26	1 31	27 49	4 34	0 39	1 9	20 20		n.a.
F 21	22 42	13 13	2 28	25 33	1 39	16 15	7 38	20 13	1 2	23 23	0 55	12 3	1 44	10 51	0 46	17 27	1 31	27 49	4 35	0 36	1 8	20 18		n.a.
S 22	22 34	7 49	1 31	25 36	1 43	16 16	7 37	20 1	1 1	23 21	0 55	12 4	1 44	10 50	0 45	17 27	1 31	27 49	4 35	0 35	1 7	20 15		n.a.
S 23	22 25	2 7	0 29	25 38	1 47	16 18	7 35	19 49	1 1	23 18	0 55	12 4	1 43	10 49	0 45	17 28	1 31	27 50	4 35	0 34	1 6	20 12		n.a.
M24	22 16	3n44	0n35	25 39	1 50	16 21	7 32	19 37	1 0	23 16	0 55	12 4	1 43	10 48	0 45	17 28	1 31	27 50	4 35	0 34	1 4	20 10		n.a.
T 25	22 7	9 34	1 38	25 38	1 53	16 24	7 29	19 24	1 0	23 14	0 55	12 5	1 43	10 47	0 45	17 29	1 31	27 50	4 35	0 34	1 3	20 7		n.a.
W26	21 57	15 11	2 39	25 35	1 56	16 27	7 25	19 11	1 0	23 12	0 55	12 5	1 42	10 46	0 45	17 29	1 31	27 51	4 35	0 34	1 2	20 5		n.a.
T 27	21 47	20 19	3 34	25 30	1 58	16 32	7 21	18 59	0 59	23 10	0 55	12 6	1 42	10 45	0 45	17 30	1 31	27 51	4 35	0 33	1 0	20 2		n.a.
F 28	21 36	24 37	4 18	25 24	2 0	16 36	7 16	18 46	0 59	23 8	0 55	12 6	1 42	10 44	0 45	17 30	1 31	27 51	4 36	0 31	0 59	19 59		n.a.
S 29	21 25	27 38	4 49	25 16	2 1	16 41	7 11	18 32	0 58	23 6	0 55	12 7	1 42	10 43	0 45	17 31	1 31	27 51	4 36	0 29	0 58	19 57		n.a.
S 30	21 14	28 56	5 3	25 6	2 2	16 47	7 6	18 19	0 58	23 3	0 55	12 7	1 41	10 42	0 45	17 31	1 31	27 52	4 36	0 25	0 57	19 54		n.a.
M31	21s 2	28n10	4n57	24s53	2s 3	16s53	7n 0	18s 5	0s58	23s 1	0s56	12n 8	1s41	10s40	0s45	17n32	1n31	27s52	4s36	0n21	0n55	19s51		n.a.

Julian Day Number = 1107803.5, Delta T = 10h55m44s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'51, Lahiri = -27°07'50 Julian Calendar 1 Jan. 1680 BCE == Greg. Calendar 18 Dec. 1681 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

FEBRUARY 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 46 24	28♉37'12	28♋11	18♉15	27♐57	13♒57	21♉56	5♉52	4♓44	16°R50	17♐29	0°R42	2♈13	16♒11	n.a.	T 1
W 2	7 50 21	29°36'46	13♌26	20° 4	28° 4	14°43	22°10	5°53	4°47	16♌49	17°31	0♈34	2°10	16°18	n.a.	W 2
T 3	7 54 17	0♒36'18	28°36	21°53	28°12	15°28	22°25	5°55	4°50	16°47	17°32	0°28	2° 7	16°25	n.a.	T 3
F 4	7 58 14	1°35'47	13♍31	23°44	28°23	16°13	22°39	5°57	4°53	16°46	17°33	0°25	2° 4	16°31	n.a.	F 4
S 5	8 2 10	2°35'14	28° 4	25°36	28°36	16°58	22°53	5°58	4°56	16°44	17°35	0°D23	2° 1	16°38	n.a.	S 5
S 6	8 6 7	3°34'40	12♎11	27°29	28°51	17°43	23° 8	6° 0	4°59	16°43	17°36	0°24	1°57	16°45	n.a.	S 6
M 7	8 10 3	4°34'03	25°53	29°24	29° 8	18°28	23°22	6° 2	5° 2	16°41	17°38	0°25	1°54	16°51	n.a.	M 7
T 8	8 14 0	5°33'25	9♏12	1♒20	29°27	19°12	23°36	6° 4	5° 5	16°39	17°39	0°R25	1°51	16°58	n.a.	T 8
W 9	8 17 57	6°32'45	22° 9	3°17	29°48	19°57	23°50	6° 6	5° 8	16°38	17°41	0°24	1°48	17° 5	n.a.	W 9
T 10	8 21 53	7°32'03	4♐49	5°15	0♉11	20°42	24° 5	6° 8	5°11	16°36	17°42	0°20	1°45	17°12	n.a.	T 10
F 11	8 25 50	8°31'19	17°15	7°14	0°35	21°27	24°19	6°11	5°14	16°34	17°43	0°14	1°42	17°18	n.a.	F 11
S 12	8 29 46	9°30'33	29°29	9°14	1° 1	22°12	24°33	6°13	5°17	16°33	17°44	0° 7	1°38	17°25	n.a.	S 12
S 13	8 33 43	10°29'45	11♉34	11°15	1°29	22°56	24°47	6°16	5°21	16°31	17°46	29♓58	1°35	17°32	n.a.	S 13
M14	8 37 39	11°28'55	23°33	13°16	1°58	23°41	25° 1	6°19	5°24	16°30	17°47	29°48	1°32	17°38	n.a.	M14
T 15	8 41 36	12°28'03	5♒27	15°19	2°29	24°25	25°15	6°21	5°27	16°28	17°48	29°39	1°29	17°45	n.a.	T 15
W16	8 45 32	13°27'08	17°17	17°22	3° 2	25°10	25°29	6°24	5°30	16°26	17°50	29°31	1°26	17°52	n.a.	W16
T 17	8 49 29	14°26'12	29° 6	19°25	3°35	25°54	25°43	6°27	5°33	16°25	17°51	29°25	1°22	17°58	n.a.	T 17
F 18	8 53 25	15°25'13	10♓55	21°28	4°10	26°39	25°57	6°30	5°37	16°23	17°52	29°21	1°19	18° 5	n.a.	F 18
S 19	8 57 22	16°24'11	22°47	23°32	4°46	27°23	26°11	6°34	5°40	16°21	17°53	29°19	1°16	18°12	n.a.	S 19
S 20	9 1 19	17°23'08	4♈45	25°34	5°24	28° 7	26°25	6°37	5°43	16°20	17°54	29°D19	1°13	18°18	n.a.	S 20
M21	9 5 15	18°22'02	16°52	27°36	6° 2	28°52	26°39	6°40	5°46	16°18	17°55	29°20	1°10	18°25	n.a.	M21
T 22	9 9 12	19°20'53	29°12	29°37	6°42	29°36	26°53	6°44	5°50	16°16	17°56	29°21	1° 7	18°32	n.a.	T 22
W23	9 13 8	20°19'42	11♉50	1♓37	7°23	0♓20	27° 7	6°47	5°53	16°15	17°57	29°22	1° 3	18°38	n.a.	W23
T 24	9 17 5	21°18'29	24°50	3°34	8° 5	1° 4	27°21	6°51	5°56	16°13	17°58	29°R23	1° 0	18°45	n.a.	T 24
F 25	9 21 1	22°17'13	8♊16	5°30	8°47	1°48	27°34	6°55	6° 0	16°11	17°59	29°22	0°57	18°52	n.a.	F 25
S 26	9 24 58	23°15'56	22° 9	7°23	9°31	2°32	27°48	6°59	6° 3	16°10	18° 0	29°19	0°54	18°58	n.a.	S 26
S 27	9 28 54	24°14'35	6♋30	9°13	10°16	3°16	28° 2	7° 3	6° 7	16° 8	18° 1	29°15	0°51	19° 5	n.a.	S 27
M28	9 32 51	25♒13'12	21♋16	11♓ 0	11♉ 1	4♓ 0	28♉15	7♉ 7	6♓10	16♌ 7	18♐ 2	29♓10	0♈48	19♒12	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s50	25n19	4n30	24s39	2s 3	16s59	6n53	17s52	0s57	22s59	0s56	12n 9	1s41	10s39	0s45	17n32	1n31	27s52	4s36	0n17	0n54	19s49		n.a.
W 2	20 37	20 39	3 43	24 23	2 3	17 6	6 47	17 38	0 57	22 57	0 56	12 9	1 41	10 38	0 45	17 33	1 31	27 53	4 36	0 14	0 53	19 46		n.a.
T 3	20 24	14 41	2 41	24 5	2 2	17 13	6 40	17 24	0 56	22 54	0 56	12 10	1 40	10 37	0 45	17 33	1 32	27 53	4 37	0 11	0 51	19 43		n.a.
F 4	20 11	7 58	1 29	23 44	2 0	17 20	6 33	17 10	0 56	22 52	0 56	12 11	1 40	10 36	0 45	17 34	1 32	27 53	4 37	0 10	0 50	19 41		n.a.
S 5	19 57	0 59	0 12	23 22	1 58	17 28	6 26	16 56	0 56	22 50	0 56	12 12	1 40	10 35	0 45	17 34	1 32	27 54	4 37	0 10	0 49	19 38		n.a.
S 6	19 43	5s52	1s 3	22 57	1 56	17 35	6 18	16 41	0 55	22 47	0 56	12 13	1 39	10 34	0 45	17 35	1 32	27 54	4 37	0 10	0 48	19 35		n.a.
M 7	19 29	12 14	2 12	22 30	1 53	17 43	6 11	16 27	0 55	22 45	0 56	12 14	1 39	10 33	0 45	17 35	1 32	27 54	4 37	0 10	0 46	19 33		n.a.
T 8	19 14	17 52	3 12	22 1	1 50	17 51	6 3	16 12	0 54	22 43	0 56	12 15	1 39	10 31	0 45	17 36	1 32	27 55	4 37	0 10	0 45	19 30		n.a.
W 9	18 59	22 32	4 1	21 30	1 45	17 59	5 55	15 57	0 54	22 40	0 56	12 16	1 39	10 30	0 45	17 36	1 32	27 55	4 38	0 10	0 44	19 27		n.a.
T 10	18 44	26 2	4 37	20 57	1 41	18 7	5 47	15 42	0 53	22 38	0 57	12 17	1 38	10 29	0 45	17 37	1 32	27 55	4 38	0 8	0 42	19 25		n.a.
F 11	18 28	28 13	4 58	20 21	1 35	18 15	5 39	15 27	0 53	22 35	0 57	12 18	1 38	10 28	0 45	17 37	1 32	27 55	4 38	0 6	0 41	19 22		n.a.
S 12	18 13	29 0	5 6	19 43	1 30	18 23	5 31	15 12	0 52	22 33	0 57	12 19	1 38	10 27	0 45	17 38	1 32	27 56	4 38	0 3	0 40	19 19		n.a.
S 13	17 56	28 21	5 0	19 4	1 23	18 30	5 23	14 57	0 52	22 30	0 57	12 20	1 38	10 25	0 45	17 38	1 32	27 56	4 38	0s 1	0 39	19 16		n.a.
M14	17 40	26 24	4 41	18 22	1 16	18 38	5 14	14 41	0 51	22 28	0 57	12 21	1 37	10 24	0 45	17 39	1 32	27 56	4 38	0 5	0 37	19 14		n.a.
T 15	17 23	23 17	4 9	17 38	1 8	18 46	5 6	14 26	0 51	22 25	0 57	12 22	1 37	10 23	0 45	17 39	1 32	27 57	4 39	0 9	0 36	19 11		n.a.
W16	17 6	19 13	3 27	16 53	1 0	18 54	4 58	14 10	0 51	22 23	0 57	12 23	1 37	10 22	0 45	17 40	1 32	27 57	4 39	0 12	0 35	19 8		n.a.
T 17	16 49	14 26	2 36	16 5	0 51	19 1	4 50	13 54	0 50	22 20	0 57	12 25	1 37	10 21	0 45	17 40	1 32	27 57	4 39	0 14	0 33	19 6		n.a.
F 18	16 31	9 7	1 38	15 16	0 42	19 8	4 41	13 38	0 50	22 18	0 57	12 26	1 36	10 19	0 45	17 41	1 32	27 58	4 39	0 16	0 32	19 3		n.a.
S 19	16 13	3 27	0 35	14 26	0 32	19 15	4 33	13 23	0 49	22 15	0 58	12 27	1 36	10 18	0 45	17 41	1 32	27 58	4 39	0 17	0 31	19 0		n.a.
S 20	15 55	2n22	0n30	13 35	0 22	19 22	4 25	13 6	0 49	22 13	0 58	12 28	1 36	10 17	0 45	17 42	1 32	27 58	4 40	0 17	0 30	18 57		n.a.
M21	15 37	8 11	1 34	12 42	0 11	19 29	4 17	12 50	0 48	22 10	0 58	12 30	1 36	10 16	0 45	17 42	1 32	27 58	4 40	0 16	0 28	18 55		n.a.
T 22	15 18	13 49	2 35	11 49	0 0	19 35	4 8	12 34	0 48	22 8	0 58	12 31	1 35	10 14	0 45	17 43	1 32	27 59	4 40	0 16	0 27	18 52		n.a.
W23	14 59	19 0	3 31	10 56	0n11	19 41	4 0	12 18	0 47	22 5	0 58	12 33	1 35	10 13	0 45	17 43	1 32	27 59	4 40	0 15	0 26	18 49		n.a.
T 24	14 40	23 29	4 17	10 2	0 23	19 47	3 52	12 1	0 47	22 2	0 58	12 34	1 35	10 12	0 45	17 44	1 32	27 59	4 40	0 15	0 24	18 46		n.a.
F 25	14 21	26 53	4 51	9 8	0 35	19 52	3 44	11 45	0 46	22 0	0 58	12 36	1 35	10 11	0 45	17 44	1 32	28 0	4 41	0 16	0 23	18 44		n.a.
S 26	14 1	28 48	5 9	8 14	0 47	19 57	3 36	11 28	0 46	21 57	0 59	12 37	1 34	10 9	0 45	17 45	1 32	28 0	4 41	0 17	0 22	18 41		n.a.
S 27	13 41	28 52	5 9	7 21	0 59	20 2	3 28	11 12	0 45	21 54	0 59	12 39	1 34	10 8	0 45	17 45	1 32	28 0	4 41	0 18	0 21	18 38		n.a.
M28	13s21	26n55	4n49	6s30	1n11	20s 6	3n20	10s55	0s45	21s52	0s59	12n40	1s34	10s 7	0s45	17n46	1n32	28s 1	4s41	0s20	0n19	18s35		n.a.

Julian Day Number = 1107834.5, Delta T = 10h55m42s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'46, Lahiri = -27°07'46 Julian Calendar 1 Feb. 1680 BCE == Greg. Calendar 18 Jan. 1680 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

MARCH 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 36 47	26♒11'47	6♌21	12♓43	11♉48	4♓44	28♉29	7♉11	6♓13	16°R 5	18♐ 3	29°R 5	0♈44	19♒19	n.a.	T 1
W 2	9 40 44	27°10'20	21°36	14°22	12°35	5°28	28°42	7°15	6°17	16♌ 3	18° 4	29♓ 1	0°41	19°25	n.a.	W 2
T 3	9 44 41	28° 8'51	6♍50	15°58	13°23	6°11	28°56	7°19	6°20	16° 2	18° 5	28°58	0°38	19°32	n.a.	T 3
F 4	9 48 37	29° 7'19	21°54	17°29	14°12	6°55	29° 9	7°24	6°23	16° 0	18° 6	28°D57	0°35	19°39	n.a.	F 4
S 5	9 52 34	0♓ 5'45	6♎39	18°55	15° 1	7°39	29°22	7°28	6°27	15°59	18° 7	28°57	0°32	19°45	n.a.	S 5
S 6	9 56 30	1° 4'10	21° 0	20°17	15°52	8°22	29°36	7°33	6°30	15°57	18° 7	28°58	0°28	19°52	n.a.	S 6
M 7	10 0 27	2° 2'33	4♏54	21°33	16°43	9° 6	29°49	7°37	6°34	15°55	18° 8	28°59	0°25	19°59	n.a.	M 7
T 8	10 4 23	3° 0'54	18°21	22°45	17°34	9°49	0♒ 2	7°42	6°37	15°54	18° 9	29° 1	0°22	20° 5	n.a.	T 8
W 9	10 8 20	3°59'14	1♐23	23°52	18°26	10°33	0°15	7°47	6°41	15°52	18°10	29°R 1	0°19	20°12	n.a.	W 9
T 10	10 12 16	4°57'32	14° 4	24°53	19°19	11°16	0°29	7°52	6°44	15°51	18°10	29° 1	0°16	20°19	n.a.	T 10
F 11	10 16 13	5°55'48	26°27	25°49	20°13	11°59	0°42	7°57	6°47	15°49	18°11	29° 0	0°13	20°25	n.a.	F 11
S 12	10 20 10	6°54'02	8♑36	26°39	21° 7	12°43	0°55	8° 2	6°51	15°48	18°12	28°57	0° 9	20°32	n.a.	S 12
S 13	10 24 6	7°52'15	20°36	27°24	22° 1	13°26	1° 7	8° 7	6°54	15°46	18°12	28°54	0° 6	20°39	n.a.	S 13
M14	10 28 3	8°50'26	2♒29	28° 4	22°56	14° 9	1°20	8°12	6°58	15°45	18°13	28°51	0° 3	20°45	n.a.	M14
T 15	10 31 59	9°48'36	14°18	28°37	23°52	14°52	1°33	8°17	7° 1	15°43	18°13	28°48	29♓59	20°52	n.a.	T 15
W16	10 35 56	10°46'43	26° 7	29° 5	24°47	15°35	1°46	8°23	7° 5	15°42	18°14	28°45	29°57	20°59	n.a.	W16
T 17	10 39 52	11°44'49	7♓57	29°28	25°44	16°18	1°59	8°28	7° 8	15°40	18°14	28°43	29°53	21° 5	n.a.	T 17
F 18	10 43 49	12°42'53	19°51	29°45	26°41	17° 1	2°11	8°34	7°11	15°39	18°15	28°42	29°50	21°12	n.a.	F 18
S 19	10 47 45	13°40'54	1♈50	29°56	27°38	17°44	2°24	8°39	7°15	15°37	18°15	28°D42	29°47	21°19	n.a.	S 19
S 20	10 51 42	14°38'55	13°58	0♈ 2	28°36	18°27	2°36	8°45	7°18	15°36	18°16	28°42	29°44	21°25	n.a.	S 20
M21	10 55 38	15°36'53	26°15	0°R 2	29°34	19°10	2°49	8°51	7°22	15°35	18°16	28°43	29°41	21°32	n.a.	M21
T 22	10 59 35	16°34'49	8♉45	29♓57	0♒32	19°53	3° 1	8°56	7°25	15°33	18°16	28°44	29°38	21°39	n.a.	T 22
W23	11 3 32	17°32'43	21°30	29°47	1°31	20°36	3°13	9° 2	7°28	15°32	18°17	28°46	29°34	21°45	n.a.	W23
T 24	11 7 28	18°30'36	4♊33	29°33	2°30	21°18	3°25	9° 8	7°32	15°31	18°17	28°46	29°31	21°52	n.a.	T 24
F 25	11 11 25	19°28'27	17°57	29°14	3°30	22° 1	3°37	9°14	7°35	15°29	18°17	28°R46	29°28	21°59	n.a.	F 25
S 26	11 15 21	20°26'15	1♋43	28°51	4°30	22°44	3°49	9°20	7°39	15°28	18°18	28°46	29°25	22° 5	n.a.	S 26
S 27	11 19 18	21°24'02	15°51	28°24	5°30	23°26	4° 1	9°26	7°42	15°27	18°18	28°46	29°22	22°12	n.a.	S 27
M28	11 23 14	22°21'47	0♌20	27°55	6°30	24° 9	4°13	9°32	7°45	15°25	18°18	28°45	29°19	22°19	n.a.	M28
T 29	11 27 11	23°19'30	15° 7	27°23	7°31	24°51	4°25	9°39	7°49	15°24	18°18	28°45	29°15	22°25	n.a.	T 29
W30	11 31 7	24°17'11	0♍ 5	26°49	8°32	25°33	4°37	9°45	7°52	15°23	18°18	28°44	29°12	22°32	n.a.	W30
T 31	11 35 4	25♓14'50	15♍ 7	26♓13	9♒34	26♓16	4♒48	9♉51	7♓55	15♌22	18♐18	28♓44	29♓ 9	22♒39	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	13s 1	23n 2	4n 8	5s39	1n23	20s10	3n12	10s38	0s44	21s49	0s59	12n42	1s34	10s 5	0s45	17n46	1n32	28s 1	4s41	0s22	0n18	18s32			n.a.
W 2	12 41	17 34	3 10	4 49	1 34	20 13	3 4	10 21	0 44	21 46	0 59	12 43	1 33	10 4	0 45	17 47	1 32	28 1	4 42	0 24	0 17	18 30			n.a.
T 3	12 21	10 59	1 58	4 2	1 45	20 17	2 57	10 5	0 43	21 44	0 59	12 45	1 33	10 3	0 45	17 47	1 32	28 1	4 42	0 25	0 15	18 27			n.a.
F 4	12 0	3 52	0 39	3 16	1 56	20 19	2 49	9 48	0 42	21 41	0 59	12 47	1 33	10 2	0 45	17 48	1 32	28 2	4 42	0 26	0 14	18 24			n.a.
S 5	11 39	3s20	0s42	2 32	2 6	20 21	2 41	9 31	0 42	21 38	1 0	12 48	1 33	10 0	0 45	17 48	1 32	28 2	4 42	0 26	0 13	18 21			n.a.
S 6	11 18	10 10	1 58	1 50	2 16	20 23	2 34	9 13	0 41	21 36	1 0	12 50	1 32	9 59	0 45	17 49	1 32	28 2	4 42	0 25	0 12	18 18			n.a.
M 7	10 57	16 17	3 5	1 11	2 25	20 24	2 26	8 56	0 41	21 33	1 0	12 52	1 32	9 58	0 45	17 49	1 32	28 2	4 43	0 25	0 10	18 16			n.a.
T 8	10 35	21 26	3 59	0 35	2 34	20 25	2 19	8 39	0 40	21 30	1 0	12 54	1 32	9 56	0 45	17 50	1 32	28 3	4 43	0 24	0 9	18 13			n.a.
W 9	10 14	25 22	4 39	0 1	2 42	20 25	2 12	8 22	0 40	21 27	1 0	12 55	1 32	9 55	0 45	17 50	1 32	28 3	4 43	0 24	0 8	18 10			n.a.
T 10	9 52	27 57	5 4	0n30	2 49	20 25	2 5	8 5	0 39	21 25	1 0	12 57	1 32	9 54	0 45	17 51	1 32	28 3	4 43	0 24	0 6	18 7			n.a.
F 11	9 31	29 5	5 14	0 58	2 55	20 24	1 57	7 47	0 39	21 22	1 1	12 59	1 31	9 52	0 45	17 51	1 32	28 4	4 43	0 24	0 5	18 4			n.a.
S 12	9 9	28 46	5 10	1 24	3 0	20 23	1 50	7 30	0 38	21 19	1 1	13 1	1 31	9 51	0 45	17 52	1 32	28 4	4 44	0 25	0 4	18 2			n.a.
S 13	8 47	27 6	4 52	1 46	3 5	20 21	1 43	7 13	0 38	21 17	1 1	13 3	1 31	9 50	0 45	17 52	1 32	28 4	4 44	0 27	0 3	17 59			n.a.
M14	8 24	24 14	4 22	2 5	3 8	20 19	1 37	6 55	0 37	21 14	1 1	13 5	1 31	9 49	0 45	17 53	1 32	28 4	4 44	0 28	0 1	17 56			n.a.
T 15	8 2	20 22	3 41	2 20	3 10	20 16	1 30	6 38	0 37	21 11	1 1	13 7	1 30	9 47	0 45	17 53	1 32	28 5	4 44	0 29	0s 0	17 53			n.a.
W16	7 40	15 43	2 50	2 33	3 11	20 13	1 23	6 20	0 36	21 8	1 1	13 9	1 30	9 46	0 45	17 53	1 32	28 5	4 44	0 30	0 1	17 50			n.a.
T 17	7 17	10 28	1 52	2 42	3 11	20 9	1 17	6 3	0 36	21 6	1 2	13 11	1 30	9 45	0 45	17 54	1 32	28 5	4 45	0 31	0 3	17 47			n.a.
F 18	6 55	4 50	0 49	2 47	3 10	20 4	1 10	5 45	0 35	21 3	1 2	13 13	1 30	9 43	0 45	17 54	1 32	28 5	4 45	0 32	0 4	17 44			n.a.
S 19	6 32	1n 1	0n17	2 50	3 7	19 59	1 4	5 28	0 34	21 0	1 2	13 15	1 30	9 42	0 45	17 55	1 32	28 6	4 45	0 32	0 5	17 42			n.a.
S 20	6 9	6 53	1 23	2 49	3 4	19 54	0 57	5 10	0 34	20 58	1 2	13 17	1 29	9 41	0 45	17 55	1 32	28 6	4 45	0 31	0 6	17 39			n.a.
M21	5 47	12 35	2 27	2 44	2 59	19 48	0 51	4 52	0 33	20 55	1 2	13 19	1 29	9 40	0 45	17 56	1 32	28 6	4 46	0 31	0 8	17 36			n.a.
T 22	5 24	17 54	3 24	2 36	2 52	19 41	0 45	4 35	0 33	20 52	1 3	13 21	1 29	9 38	0 45	17 56	1 32	28 6	4 46	0 31	0 9	17 33			n.a.
W23	5 1	22 32	4 13	2 26	2 45	19 34	0 39	4 17	0 32	20 49	1 3	13 23	1 29	9 37	0 45	17 56	1 32	28 7	4 46	0 30	0 10	17 30			n.a.
T 24	4 38	26 11	4 49	2 12	2 36	19 26	0 33	4 0	0 32	20 47	1 3	13 25	1 29	9 36	0 45	17 57	1 32	28 7	4 46	0 30	0 12	17 27			n.a.
F 25	4 15	28 30	5 11	1 55	2 26	19 18	0 27	3 42	0 31	20 44	1 3	13 27	1 28	9 34	0 45	17 57	1 32	28 7	4 46	0 30	0 13	17 24			n.a.
S 26	3 51	29 9	5 17	1 35	2 15	19 9	0 22	3 24	0 31	20 41	1 3	13 29	1 28	9 33	0 45	17 57	1 32	28 7	4 47	0 30	0 14	17 21			n.a.
S 27	3 28	27 57	5 3	1 13	2 2	18 59	0 16	3 7	0 30	20 39	1 4	13 31	1 28	9 32	0 45	17 58	1 32	28 8	4 47	0 30	0 16	17 19			n.a.
M28	3 5	24 51	4 30	0 49	1 49	18 50	0 11	2 49	0 29	20 36	1 4	13 33	1 28	9 31	0 45	17 58	1 32	28 8	4 47	0 30	0 17	17 16			n.a.
T 29	2 42	20 5	3 39	0 23	1 35	18 39	0 5	2 31	0 29	20 33	1 4	13 36	1 28	9 29	0 45	17 59	1 32	28 8	4 47	0 31	0 18	17 13			n.a.
W30	2 19	14 1	2 32	0s 5	1 20	18 28	0 0	2 14	0 28	20 31	1 4	13 38	1 27	9 28	0 45	17 59	1 32	28 8	4 47	0 31	0 19	17 10			n.a.
T 31	1s55	7n 7	1n15	0s33	1n 4	18s17	0s 5	1s56	0s28	20s28	1s 4	13n40	1s27	9s27	0s45	17n59	1n32	28s 8	4s48	0s31	0s21	17s 7			n.a.

Julian Day Number = 1107862.5, Delta T = 10h55m40s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'43, Lahiri = -27°07'42 Julian Calendar 1 March 1680 BCE == Greg. Calendar 15 Feb. 1680 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

APRIL 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 39 1	26♓12'28	0♎ 3	25°R37	10♒35	26♓58	5♒ 0	9♉58	7♓59	15°R21	18♐19	28°D44	29♓ 6	22♒45	n.a.	F 1
S 2	11 42 57	27°10'04	14°47	25♓ 1	11°37	27°40	5°11	10° 4	8° 2	15♌20	18°19	28♓44	29° 3	22°52	n.a.	S 2
S 3	11 46 54	28° 7'39	29°12	24°26	12°40	28°22	5°22	10°11	8° 5	15°18	18°19	28°44	28°59	22°59	n.a.	S 3
M 4	11 50 50	29° 5'13	13♏12	23°51	13°42	29° 4	5°34	10°17	8° 8	15°17	18°R19	28°R44	28°56	23° 5	n.a.	M 4
T 5	11 54 47	0♈ 2'46	26°46	23°19	14°45	29°47	5°45	10°24	8°12	15°16	18°19	28°44	28°53	23°12	n.a.	T 5
W 6	11 58 43	1° 0'17	9♐55	22°48	15°48	0♈29	5°56	10°30	8°15	15°15	18°19	28°44	28°50	23°19	n.a.	W 6
T 7	12 2 40	1°57'48	22°41	22°21	16°51	1°11	6° 7	10°37	8°18	15°14	18°18	28°43	28°47	23°26	n.a.	T 7
F 8	12 6 36	2°55'17	5♑ 6	21°56	17°55	1°53	6°18	10°44	8°21	15°13	18°18	28°D43	28°44	23°32	n.a.	F 8
S 9	12 10 33	3°52'46	17°16	21°36	18°58	2°34	6°28	10°51	8°24	15°12	18°18	28°44	28°40	23°39	n.a.	S 9
S 10	12 14 29	4°50'13	29°14	21°19	20° 2	3°16	6°39	10°57	8°28	15°11	18°18	28°44	28°37	23°46	n.a.	S 10
M11	12 18 26	5°47'40	11♒ 6	21° 6	21° 6	3°58	6°50	11° 4	8°31	15°10	18°18	28°45	28°34	23°52	n.a.	M11
T 12	12 22 23	6°45'05	22°54	20°57	22°10	4°40	7° 0	11°11	8°34	15° 9	18°18	28°45	28°31	23°59	n.a.	T 12
W13	12 26 19	7°42'29	4♓44	20°D53	23°15	5°22	7°10	11°18	8°37	15° 9	18°17	28°46	28°28	24° 6	n.a.	W13
T 14	12 30 16	8°39'53	16°38	20°53	24°20	6° 3	7°21	11°25	8°40	15° 8	18°17	28°47	28°25	24°12	n.a.	T 14
F 15	12 34 12	9°37'15	28°39	20°58	25°24	6°45	7°31	11°32	8°43	15° 7	18°17	28°R47	28°21	24°19	n.a.	F 15
S 16	12 38 9	10°34'36	10♈49	21° 7	26°29	7°26	7°41	11°39	8°46	15° 6	18°17	28°47	28°18	24°26	n.a.	S 16
S 17	12 42 5	11°31'56	23°11	21°20	27°35	8° 8	7°51	11°47	8°49	15° 5	18°16	28°46	28°15	24°32	n.a.	S 17
M18	12 46 2	12°29'16	5♉45	21°39	28°40	8°49	8° 1	11°54	8°52	15° 5	18°16	28°44	28°12	24°39	n.a.	M18
T 19	12 49 58	13°26'34	18°32	22° 1	29°46	9°31	8°10	12° 1	8°55	15° 4	18°15	28°43	28° 9	24°46	n.a.	T 19
W20	12 53 55	14°23'51	1♊33	22°28	0♓51	10°12	8°20	12° 8	8°58	15° 3	18°15	28°40	28° 5	24°52	n.a.	W20
T 21	12 57 52	15°21'07	14°49	22°59	1°57	10°53	8°29	12°16	9° 1	15° 3	18°15	28°38	28° 2	24°59	n.a.	T 21
F 22	13 1 48	16°18'22	28°20	23°34	3° 3	11°35	8°39	12°23	9° 4	15° 2	18°14	28°37	27°59	25° 6	n.a.	F 22
S 23	13 5 45	17°15'36	12♋ 6	24°14	4° 9	12°16	8°48	12°30	9° 7	15° 1	18°14	28°D36	27°56	25°12	n.a.	S 23
S 24	13 9 41	18°12'48	26° 7	24°57	5°15	12°57	8°57	12°38	9°10	15° 1	18°13	28°36	27°53	25°19	n.a.	S 24
M25	13 13 38	19°10'00	10♌22	25°44	6°22	13°38	9° 6	12°45	9°12	15° 0	18°13	28°37	27°50	25°26	n.a.	M25
T 26	13 17 34	20° 7'10	24°49	26°35	7°28	14°19	9°15	12°53	9°15	15° 0	18°12	28°38	27°46	25°32	n.a.	T 26
W27	13 21 31	21° 4'19	9♍23	27°29	8°35	15° 0	9°23	13° 0	9°18	14°59	18°11	28°40	27°43	25°39	n.a.	W27
T 28	13 25 28	22° 1'28	24° 2	28°27	9°42	15°41	9°32	13° 8	9°21	14°59	18°11	28°R40	27°40	25°46	n.a.	T 28
F 29	13 29 24	22°58'35	8♎38	29°29	10°49	16°22	9°40	13°15	9°23	14°59	18°10	28°40	27°37	25°52	n.a.	F 29
S 30	13 33 21	23♈55'42	23♎ 7	0♈34	11♓56	17♈ 3	9♒49	13♉23	9♓26	14♌58	18♐ 9	28♓39	27♓34	25♒59	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s32	0s 8	0s 7	1s 3	0n47	18s 4	0s10	1s39	0s27	20s25	1s 5	13n42	1s27	9s26	0s45	18n 0	1n31	28s 9	4s48	0s31	0s22	17s 4		n.a.
S 2	1 9	7 17	1 28	1 33	0 31	17 52	0 15	1 21	0 27	20 23	1 5	13 44	1 27	9 24	0 45	18 0	1 31	28 9	4 48	0 31	0 23	17 1		n.a.
S 3	0 46	13 54	2 41	2 3	0 14	17 39	0 20	1 3	0 26	20 20	1 5	13 47	1 27	9 23	0 45	18 0	1 31	28 9	4 48	0 31	0 25	16 58		n.a.
M 4	0 22	19 37	3 43	2 32	0s 3	17 25	0 25	0 46	0 25	20 17	1 5	13 49	1 27	9 22	0 45	18 1	1 31	28 9	4 49	0 31	0 26	16 55		n.a.
T 5	0n 1	24 10	4 29	3 0	0 20	17 11	0 29	0 28	0 25	20 15	1 5	13 51	1 26	9 21	0 45	18 1	1 31	28 10	4 49	0 31	0 27	16 52		n.a.
W 6	0 24	27 18	5 0	3 28	0 36	16 56	0 34	0 11	0 24	20 12	1 6	13 53	1 26	9 19	0 45	18 1	1 31	28 10	4 49	0 31	0 28	16 49		n.a.
T 7	0 48	28 56	5 16	3 53	0 52	16 41	0 38	0n 7	0 24	20 10	1 6	13 56	1 26	9 18	0 45	18 1	1 31	28 10	4 49	0 31	0 30	16 46		n.a.
F 8	1 11	29 3	5 15	4 18	1 8	16 25	0 42	0 24	0 23	20 7	1 6	13 58	1 26	9 17	0 45	18 2	1 31	28 10	4 49	0 31	0 31	16 43		n.a.
S 9	1 34	27 44	5 1	4 40	1 23	16 9	0 47	0 42	0 23	20 5	1 6	14 0	1 26	9 16	0 45	18 2	1 31	28 10	4 50	0 31	0 32	16 41		n.a.
S 10	1 57	25 9	4 34	4 59	1 37	15 53	0 51	0 59	0 22	20 2	1 7	14 3	1 26	9 15	0 45	18 2	1 31	28 11	4 50	0 31	0 34	16 38		n.a.
M11	2 21	21 32	3 55	5 17	1 50	15 36	0 55	1 17	0 21	20 0	1 7	14 5	1 25	9 13	0 45	18 2	1 31	28 11	4 50	0 31	0 35	16 35		n.a.
T 12	2 44	17 4	3 6	5 32	2 3	15 18	0 58	1 34	0 21	19 57	1 7	14 7	1 25	9 12	0 45	18 3	1 31	28 11	4 50	0 30	0 36	16 32		n.a.
W13	3 7	11 57	2 9	5 44	2 15	15 0	1 2	1 52	0 20	19 55	1 7	14 10	1 25	9 11	0 45	18 3	1 31	28 11	4 50	0 30	0 37	16 29		n.a.
T 14	3 30	6 24	1 7	5 54	2 25	14 42	1 6	2 9	0 20	19 52	1 8	14 12	1 25	9 10	0 45	18 3	1 31	28 11	4 51	0 30	0 39	16 26		n.a.
F 15	3 53	0 34	0 1	6 1	2 35	14 23	1 9	2 26	0 19	19 50	1 8	14 14	1 25	9 9	0 45	18 3	1 31	28 12	4 51	0 30	0 40	16 23		n.a.
S 16	4 16	5n22	1n 6	6 5	2 44	14 3	1 13	2 43	0 18	19 47	1 8	14 17	1 25	9 8	0 45	18 4	1 31	28 12	4 51	0 30	0 41	16 20		n.a.
S 17	4 39	11 12	2 11	6 7	2 52	13 44	1 16	3 1	0 18	19 45	1 8	14 19	1 24	9 6	0 45	18 4	1 31	28 12	4 51	0 30	0 43	16 17		n.a.
M18	5 1	16 40	3 10	6 6	2 58	13 24	1 19	3 18	0 17	19 43	1 9	14 21	1 24	9 5	0 45	18 4	1 31	28 12	4 51	0 31	0 44	16 14		n.a.
T 19	5 24	21 32	4 2	6 2	3 4	13 3	1 22	3 35	0 17	19 40	1 9	14 24	1 24	9 4	0 45	18 4	1 31	28 12	4 52	0 31	0 45	16 11		n.a.
W20	5 47	25 27	4 41	5 56	3 9	12 42	1 25	3 52	0 16	19 38	1 9	14 26	1 24	9 3	0 45	18 4	1 31	28 12	4 52	0 32	0 46	16 8		n.a.
T 21	6 9	28 5	5 6	5 47	3 13	12 21	1 28	4 9	0 15	19 36	1 9	14 29	1 24	9 2	0 45	18 4	1 31	28 13	4 52	0 33	0 48	16 5		n.a.
F 22	6 32	29 8	5 16	5 35	3 16	11 59	1 31	4 26	0 15	19 34	1 10	14 31	1 24	9 1	0 45	18 5	1 31	28 13	4 52	0 34	0 49	16 2		n.a.
S 23	6 54	28 25	5 7	5 21	3 18	11 37	1 33	4 43	0 14	19 31	1 10	14 33	1 24	9 0	0 45	18 5	1 31	28 13	4 52	0 34	0 50	15 59		n.a.
S 24	7 16	25 54	4 40	5 5	3 19	11 15	1 36	5 0	0 14	19 29	1 10	14 36	1 24	8 59	0 45	18 5	1 31	28 13	4 53	0 34	0 52	15 56		n.a.
M25	7 38	21 45	3 56	4 46	3 19	10 52	1 38	5 17	0 13	19 27	1 10	14 38	1 23	8 58	0 45	18 5	1 31	28 13	4 53	0 34	0 53	15 53		n.a.
T 26	8 1	16 15	2 56	4 25	3 19	10 29	1 41	5 34	0 13	19 25	1 11	14 41	1 23	8 57	0 45	18 5	1 31	28 13	4 53	0 33	0 54	15 50		n.a.
W27	8 22	9 48	1 44	4 2	3 18	10 5	1 43	5 50	0 12	19 23	1 11	14 43	1 23	8 56	0 45	18 5	1 31	28 13	4 53	0 33	0 55	15 47		n.a.
T 28	8 44	2 48	0 26	3 36	3 16	9 42	1 45	6 7	0 11	19 21	1 11	14 45	1 23	8 55	0 45	18 5	1 31	28 14	4 53	0 32	0 57	15 44		n.a.
F 29	9 6	4s19	0s55	3 9	3 13	9 18	1 47	6 23	0 11	19 19	1 12	14 48	1 23	8 54	0 45	18 5	1 31	28 14	4 54	0 32	0 58	15 41		n.a.
S 30	9n27	11s 9	2s10	2s39	3s 9	8s53	1s49	6n40	0s10	19s17	1s12	14n50	1s23	8s53	0s45	18n 5	1n31	28s14	4s54	0s33	0s59	15s38		n.a.

Julian Day Number = 1107893.5, Delta T = 10h55m39s
Ecliptic obliquity = 23°53'35, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'38, Lahiri = -27°07'38 Julian Calendar 1 Apr. 1680 BCE == Greg. Calendar 18 March 1680 BCE

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

MAY 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 37 17	24♈52'48	7♏21	1♈42	13♓ 3	17♈44	9♒57	13♉30	9♓29	14°R58	18°R 9	28°R36	27♓30	26♒ 6	n.a.	S 1
M 2	13 41 14	25°49'54	21°17	2°54	14°10	18°25	10° 5	13°38	9°31	14♌58	18♐ 8	28♓33	27°27	26°12	n.a.	M 2
T 3	13 45 10	26°47'00	4♐51	4° 9	15°18	19° 6	10°13	13°46	9°34	14°57	18° 7	28°28	27°24	26°19	n.a.	T 3
W 4	13 49 7	27°44'05	18° 1	5°27	16°25	19°47	10°21	13°53	9°36	14°57	18° 6	28°24	27°21	26°26	n.a.	W 4
T 5	13 53 3	28°41'10	0♑49	6°48	17°33	20°27	10°28	14° 1	9°39	14°57	18° 6	28°21	27°18	26°32	n.a.	T 5
F 6	13 57 0	29°38'15	13°17	8°13	18°41	21° 8	10°36	14° 9	9°41	14°57	18° 5	28°18	27°15	26°39	n.a.	F 6
S 7	14 0 57	0♉35'20	25°28	9°41	19°49	21°48	10°43	14°16	9°44	14°57	18° 4	28°D17	27°11	26°46	n.a.	S 7
S 8	14 4 53	1°32'24	7♒27	11°11	20°57	22°29	10°50	14°24	9°46	14°56	18° 3	28°17	27° 8	26°52	n.a.	S 8
M 9	14 8 50	2°29'29	19°19	12°45	22° 5	23°10	10°57	14°32	9°49	14°56	18° 2	28°18	27° 5	26°59	n.a.	M 9
T 10	14 12 46	3°26'33	1♓ 8	14°22	23°13	23°50	11° 4	14°39	9°51	14°56	18° 1	28°20	27° 2	27° 6	n.a.	T 10
W11	14 16 43	4°23'38	12°59	16° 2	24°22	24°30	11°11	14°47	9°53	14°D56	18° 1	28°21	26°59	27°12	n.a.	W11
T 12	14 20 39	5°20'42	24°58	17°45	25°30	25°11	11°18	14°55	9°56	14°56	18° 0	28°R22	26°56	27°19	n.a.	T 12
F 13	14 24 36	6°17'46	7♈ 7	19°30	26°39	25°51	11°24	15° 3	9°58	14°56	17°59	28°22	26°52	27°26	n.a.	F 13
S 14	14 28 33	7°14'51	19°29	21°19	27°47	26°32	11°31	15°11	10° 0	14°56	17°58	28°20	26°49	27°32	n.a.	S 14
S 15	14 32 29	8°11'55	2♉ 6	23°10	28°56	27°12	11°37	15°18	10° 2	14°57	17°57	28°16	26°46	27°39	n.a.	S 15
M16	14 36 26	9° 8'59	15° 0	25° 4	0♈ 5	27°52	11°43	15°26	10° 4	14°57	17°56	28°11	26°43	27°46	n.a.	M16
T 17	14 40 22	10° 6'03	28°10	27° 1	1°14	28°32	11°48	15°34	10° 6	14°57	17°55	28° 4	26°40	27°52	n.a.	T 17
W18	14 44 19	11° 3'08	11♊34	28°59	2°23	29°12	11°54	15°42	10° 9	14°57	17°54	27°57	26°36	27°59	n.a.	W18
T 19	14 48 15	12° 0'12	25°11	1♉ 0	3°32	29°53	12° 0	15°50	10°11	14°57	17°53	27°50	26°33	28° 6	n.a.	T 19
F 20	14 52 12	12°57'16	8♋59	3° 3	4°41	0♉33	12° 5	15°58	10°13	14°58	17°52	27°45	26°30	28°12	n.a.	F 20
S 21	14 56 8	13°54'20	22°56	5° 8	5°50	1°13	12°10	16° 6	10°14	14°58	17°50	27°41	26°27	28°19	n.a.	S 21
S 22	15 0 5	14°51'23	6♌59	7°14	7° 0	1°53	12°15	16°13	10°16	14°58	17°49	27°40	26°24	28°26	n.a.	S 22
M23	15 4 2	15°48'27	21° 8	9°22	8° 9	2°33	12°20	16°21	10°18	14°59	17°48	27°D39	26°21	28°32	n.a.	M23
T 24	15 7 58	16°45'30	5♍20	11°30	9°19	3°12	12°25	16°29	10°20	14°59	17°47	27°40	26°17	28°39	n.a.	T 24
W25	15 11 55	17°42'33	19°34	13°39	10°28	3°52	12°29	16°37	10°22	14°59	17°46	27°41	26°14	28°46	n.a.	W25
T 26	15 15 51	18°39'37	3♎48	15°49	11°38	4°32	12°33	16°45	10°23	15° 0	17°45	27°R41	26°11	28°52	n.a.	T 26
F 27	15 19 48	19°36'40	17°59	17°59	12°47	5°12	12°38	16°53	10°25	15° 0	17°44	27°40	26° 8	28°59	n.a.	F 27
S 28	15 23 44	20°33'43	2♏ 3	20° 8	13°57	5°52	12°41	17° 1	10°27	15° 1	17°42	27°36	26° 5	29° 6	n.a.	S 28
S 29	15 27 41	21°30'47	15°57	22°17	15° 7	6°31	12°45	17° 8	10°28	15° 1	17°41	27°30	26° 2	29°12	n.a.	S 29
M30	15 31 38	22°27'51	29°38	24°25	16°17	7°11	12°49	17°16	10°30	15° 2	17°40	27°21	25°58	29°19	n.a.	M30
T 31	15 35 34	23♉24'56	13♐ 1	26♉33	17♈27	7♉51	12♒52	17♉24	10♓31	15♌ 3	17♐39	27♓12	25♓55	29♒26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n49	17s19	3s17	2s 8	3s 5	8s29	1s50	6n56	0s10	19s15	1s12	14n53	1s23	8s52	0s45	18n 6	1n31	28s14	4s54	0s34	1s 1	15s35		n.a.
M 2	10 10	22 26	4 10	1 34	3 0	8 4	1 52	7 13	0 9	19 13	1 12	14 55	1 23	8 51	0 45	18 6	1 30	28 14	4 54	0 35	1 2	15 32		n.a.
T 3	10 31	26 12	4 47	0 59	2 54	7 38	1 54	7 29	0 8	19 11	1 13	14 58	1 22	8 50	0 45	18 6	1 30	28 14	4 54	0 37	1 3	15 29		n.a.
W 4	10 52	28 27	5 8	0 22	2 48	7 13	1 55	7 45	0 8	19 9	1 13	15 0	1 22	8 49	0 45	18 6	1 30	28 14	4 55	0 39	1 4	15 26		n.a.
T 5	11 13	29 6	5 13	0n17	2 41	6 47	1 56	8 2	0 7	19 7	1 13	15 2	1 22	8 48	0 45	18 6	1 30	28 14	4 55	0 40	1 6	15 23		n.a.
F 6	11 33	28 14	5 2	0 58	2 34	6 21	1 58	8 18	0 7	19 5	1 14	15 5	1 22	8 47	0 45	18 6	1 30	28 15	4 55	0 41	1 7	15 20		n.a.
S 7	11 54	26 0	4 39	1 40	2 26	5 55	1 59	8 34	0 6	19 4	1 14	15 7	1 22	8 46	0 45	18 6	1 30	28 15	4 55	0 42	1 8	15 16		n.a.
S 8	12 14	22 40	4 3	2 24	2 18	5 29	2 0	8 50	0 5	19 2	1 14	15 10	1 22	8 45	0 45	18 6	1 30	28 15	4 55	0 42	1 10	15 13		n.a.
M 9	12 34	18 25	3 17	3 10	2 9	5 2	2 1	9 5	0 5	19 0	1 14	15 12	1 22	8 44	0 45	18 6	1 30	28 15	4 56	0 41	1 11	15 10		n.a.
T 10	12 54	13 30	2 23	3 56	1 59	4 36	2 2	9 21	0 4	18 58	1 15	15 15	1 22	8 43	0 45	18 6	1 30	28 15	4 56	0 41	1 12	15 7		n.a.
W11	13 14	8 5	1 23	4 45	1 49	4 9	2 2	9 37	0 4	18 57	1 15	15 17	1 22	8 42	0 46	18 6	1 30	28 15	4 56	0 40	1 13	15 4		n.a.
T 12	13 33	2 19	0 19	5 34	1 39	3 42	2 3	9 53	0 3	18 55	1 15	15 19	1 21	8 41	0 46	18 6	1 30	28 15	4 56	0 40	1 15	15 1		n.a.
F 13	13 52	3n36	0n47	6 24	1 29	3 14	2 3	10 8	0 2	18 54	1 16	15 22	1 21	8 41	0 46	18 6	1 30	28 15	4 56	0 40	1 16	14 58		n.a.
S 14	14 11	9 29	1 52	7 16	1 18	2 47	2 4	10 24	0 2	18 52	1 16	15 24	1 21	8 40	0 46	18 5	1 30	28 15	4 56	0 41	1 17	14 55		n.a.
S 15	14 30	15 8	2 53	8 8	1 7	2 19	2 4	10 39	0 1	18 51	1 16	15 27	1 21	8 39	0 46	18 5	1 30	28 15	4 57	0 42	1 19	14 52		n.a.
M16	14 49	20 14	3 46	9 1	0 56	1 52	2 4	10 54	0 1	18 49	1 17	15 29	1 21	8 38	0 46	18 5	1 30	28 15	4 57	0 44	1 20	14 49		n.a.
T 17	15 7	24 28	4 28	9 54	0 45	1 24	2 5	11 9	0 0	18 48	1 17	15 31	1 21	8 37	0 46	18 5	1 30	28 16	4 57	0 47	1 21	14 46		n.a.
W18	15 26	27 29	4 56	10 48	0 33	0 56	2 5	11 24	0n 1	18 47	1 17	15 34	1 21	8 37	0 46	18 5	1 30	28 16	4 57	0 50	1 22	14 43		n.a.
T 19	15 44	28 56	5 8	11 42	0 22	0 28	2 5	11 39	0 1	18 45	1 18	15 36	1 21	8 36	0 46	18 5	1 30	28 16	4 57	0 52	1 24	14 40		n.a.
F 20	16 1	28 37	5 3	12 36	0 11	0 0	2 4	11 54	0 2	18 44	1 18	15 39	1 21	8 35	0 46	18 5	1 30	28 16	4 57	0 55	1 25	14 36		n.a.
S 21	16 19	26 29	4 39	13 29	0n 0	0n28	2 4	12 9	0 2	18 43	1 18	15 41	1 21	8 34	0 46	18 5	1 30	28 16	4 58	0 56	1 26	14 33		n.a.
S 22	16 36	22 43	3 59	14 22	0 11	0 56	2 4	12 24	0 3	18 42	1 19	15 43	1 21	8 34	0 46	18 5	1 30	28 16	4 58	0 57	1 28	14 30		n.a.
M23	16 53	17 37	3 4	15 14	0 22	1 24	2 4	12 38	0 4	18 41	1 19	15 46	1 20	8 33	0 46	18 4	1 30	28 16	4 58	0 57	1 29	14 27		n.a.
T 24	17 10	11 33	1 58	16 4	0 32	1 53	2 3	12 53	0 4	18 40	1 19	15 48	1 20	8 32	0 46	18 4	1 30	28 16	4 58	0 57	1 30	14 24		n.a.
W25	17 26	4 52	0 44	16 54	0 42	2 21	2 2	13 7	0 5	18 39	1 20	15 50	1 20	8 32	0 46	18 4	1 30	28 16	4 58	0 56	1 31	14 21		n.a.
T 26	17 42	2s 2	0s33	17 42	0 51	2 49	2 2	13 22	0 5	18 38	1 20	15 53	1 20	8 31	0 46	18 4	1 30	28 16	4 58	0 56	1 33	14 18		n.a.
F 27	17 58	8 49	1 47	18 28	1 0	3 18	2 1	13 36	0 6	18 37	1 20	15 55	1 20	8 31	0 46	18 4	1 29	28 16	4 59	0 57	1 34	14 15		n.a.
S 28	18 14	15 7	2 54	19 12	1 8	3 46	2 0	13 50	0 7	18 36	1 21	15 57	1 20	8 30	0 46	18 4	1 29	28 16	4 59	0 58	1 35	14 12		n.a.
S 29	18 29	20 34	3 49	19 54	1 15	4 14	1 59	14 4	0 7	18 36	1 21	16 0	1 20	8 29	0 46	18 3	1 29	28 16	4 59	1 1	1 37	14 8		n.a.
M30	18 44	24 51	4 30	20 34	1 22	4 42	1 58	14 17	0 8	18 35	1 21	16 2	1 20	8 29	0 46	18 3	1 29	28 16	4 59	1 4	1 38	14 5		n.a.
T 31	18n59	27s41	4s56	21n11	1n29	5n11	1s57	14n31	0n 8	18s34	1s22	16n 4	1s20	8s28	0s46	18n 3	1n29	28s16	4s59	1s 8	1s39	14s 2		n.a.

Julian Day Number = 1107923.5, Delta T = 10h55m37s
Ecliptic obliquity = 23°53'35, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'34, Lahiri = -27°07'34 Julian Calendar 1 May 1680 BCE == Greg. Calendar 17 Apr. 1680 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

JUNE 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 39 31	24♉22'01	26♐ 4	28♉39	18♈37	8♉30	12♒56	17♉32	10♓33	15♏ 3	17°R38	27°R 3	25♓52	29♒32	n.a.	W 1
T 2	15 43 27	25°19'07	8♑49	0♊45	19°48	9°10	12°59	17°40	10°34	15° 4	17♐36	26♓54	25°49	29°39	n.a.	T 2
F 3	15 47 24	26°16'14	21°15	2°48	20°58	9°49	13° 1	17°48	10°36	15° 5	17°35	26°47	25°46	29°46	n.a.	F 3
S 4	15 51 20	27°13'22	3♒26	4°51	22° 8	10°29	13° 4	17°55	10°37	15° 5	17°34	26°42	25°42	29°52	n.a.	S 4
S 5	15 55 17	28°10'30	15°24	6°52	23°19	11° 8	13° 7	18° 3	10°38	15° 6	17°32	26°39	25°39	29°59	n.a.	S 5
M 6	15 59 14	29° 7'39	27°16	8°51	24°29	11°48	13° 9	18°11	10°40	15° 7	17°31	26°D38	25°36	0♓ 5	n.a.	M 6
T 7	16 3 10	0♊ 4'49	9♓ 5	10°49	25°40	12°27	13°11	18°19	10°41	15° 8	17°30	26°39	25°33	0°12	n.a.	T 7
W 8	16 7 7	1° 2'00	20°58	12°45	26°51	13° 6	13°13	18°26	10°42	15° 9	17°28	26°R39	25°30	0°19	n.a.	W 8
T 9	16 11 3	1°59'12	2♈58	14°40	28° 1	13°46	13°15	18°34	10°43	15°10	17°27	26°39	25°27	0°25	n.a.	T 9
F 10	16 15 0	2°56'25	15°13	16°32	29°12	14°25	13°16	18°42	10°44	15°10	17°26	26°38	25°23	0°32	n.a.	F 10
S 11	16 18 56	3°53'39	27°44	18°23	0♉23	15° 4	13°18	18°50	10°45	15°11	17°24	26°34	25°20	0°39	n.a.	S 11
S 12	16 22 53	4°50'54	10♉35	20°12	1°34	15°43	13°19	18°57	10°46	15°12	17°23	26°27	25°17	0°45	n.a.	S 12
M13	16 26 49	5°48'10	23°47	22° 0	2°45	16°22	13°20	19° 5	10°47	15°13	17°22	26°19	25°14	0°52	n.a.	M13
T 14	16 30 46	6°45'28	7♊19	23°46	3°56	17° 2	13°21	19°13	10°48	15°14	17°20	26° 8	25°11	0°59	n.a.	T 14
W15	16 34 43	7°42'46	21° 8	25°30	5° 7	17°41	13°21	19°20	10°49	15°16	17°19	25°57	25° 8	1° 5	n.a.	W15
T 16	16 38 39	8°40'05	5♋12	27°12	6°18	18°20	13°22	19°28	10°49	15°17	17°18	25°47	25° 4	1°12	n.a.	T 16
F 17	16 42 36	9°37'25	19°24	28°53	7°30	18°59	13°R22	19°35	10°50	15°18	17°16	25°38	25° 1	1°19	n.a.	F 17
S 18	16 46 32	10°34'46	3♌40	0♋32	8°41	19°38	13°22	19°43	10°51	15°19	17°15	25°31	24°58	1°25	n.a.	S 18
S 19	16 50 29	11°32'07	17°56	2° 9	9°52	20°17	13°21	19°50	10°51	15°20	17°14	25°27	24°55	1°32	n.a.	S 19
M20	16 54 25	12°29'29	2♍ 9	3°44	11° 4	20°56	13°21	19°58	10°52	15°21	17°12	25°25	24°52	1°39	n.a.	M20
T 21	16 58 22	13°26'52	16°17	5°18	12°15	21°34	13°20	20° 5	10°53	15°23	17°11	25°D25	24°48	1°45	n.a.	T 21
W22	17 2 19	14°24'16	0♎19	6°50	13°27	22°13	13°20	20°13	10°53	15°24	17° 9	25°R25	24°45	1°52	n.a.	W22
T 23	17 6 15	15°21'41	14°15	8°21	14°39	22°52	13°19	20°20	10°54	15°25	17° 8	25°24	24°42	1°59	n.a.	T 23
F 24	17 10 12	16°19'06	28° 3	9°49	15°50	23°31	13°17	20°28	10°54	15°26	17° 7	25°21	24°39	2° 5	n.a.	F 24
S 25	17 14 8	17°16'33	11♏43	11°16	17° 2	24° 9	13°16	20°35	10°54	15°28	17° 5	25°15	24°36	2°12	n.a.	S 25
S 26	17 18 5	18°14'01	25°13	12°42	18°14	24°48	13°15	20°42	10°54	15°29	17° 4	25° 7	24°33	2°19	n.a.	S 26
M27	17 22 1	19°11'30	8♐31	14° 5	19°26	25°27	13°13	20°49	10°55	15°31	17° 2	24°56	24°29	2°25	n.a.	M27
T 28	17 25 58	20° 9'00	21°36	15°26	20°38	26° 5	13°11	20°57	10°55	15°32	17° 1	24°43	24°26	2°32	n.a.	T 28
W29	17 29 54	21° 6'32	4♑26	16°46	21°50	26°44	13° 9	21° 4	10°55	15°33	17° 0	24°30	24°23	2°39	n.a.	W29
T 30	17 33 51	22♊ 4'05	17♑ 0	18♋ 4	23♉ 2	27♉23	13♒ 6	21♉11	10♓55	15♏35	16♐58	24♓18	24♓20	2♓45	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19n13	28s55	5s 5	21n46	1n34	5n39	1s56	14n45	0n 9	18s34	1s22	16n 7	1s20	8s28	0s46	18n 3	1n29	28s16	4s59	1s12	1s40	13s59		n.a.
T 2	19 27	28 33	4 59	22 18	1 39	6 7	1 55	14 58	0 10	18 33	1 22	16 9	1 20	8 27	0 46	18 2	1 29	28 16	4 59	1 15	1 42	13 56		n.a.
F 3	19 41	26 45	4 38	22 48	1 43	6 35	1 54	15 12	0 10	18 32	1 23	16 11	1 20	8 27	0 46	18 2	1 29	28 16	5 0	1 18	1 43	13 53		n.a.
S 4	19 55	23 43	4 5	23 15	1 47	7 3	1 52	15 25	0 11	18 32	1 23	16 13	1 20	8 26	0 46	18 2	1 29	28 16	5 0	1 20	1 44	13 50		n.a.
S 5	20 8	19 44	3 22	23 40	1 50	7 31	1 51	15 38	0 11	18 32	1 23	16 16	1 20	8 26	0 46	18 2	1 29	28 16	5 0	1 21	1 46	13 47		n.a.
M 6	20 21	15 0	2 30	24 2	1 52	7 58	1 49	15 51	0 12	18 31	1 24	16 18	1 20	8 25	0 46	18 1	1 29	28 16	5 0	1 22	1 47	13 43		n.a.
T 7	20 33	9 44	1 32	24 22	1 53	8 26	1 48	16 4	0 13	18 31	1 24	16 20	1 20	8 25	0 46	18 1	1 29	28 16	5 0	1 22	1 48	13 40		n.a.
W 8	20 45	4 7	0 30	24 39	1 54	8 53	1 46	16 17	0 13	18 31	1 24	16 22	1 19	8 24	0 46	18 1	1 29	28 16	5 0	1 21	1 49	13 37		n.a.
T 9	20 57	1n43	0n34	24 53	1 55	9 21	1 45	16 29	0 14	18 31	1 25	16 24	1 19	8 24	0 46	18 1	1 29	28 16	5 0	1 21	1 51	13 34		n.a.
F 10	21 9	7 35	1 37	25 5	1 54	9 48	1 43	16 42	0 14	18 30	1 25	16 27	1 19	8 24	0 47	18 0	1 29	28 16	5 0	1 22	1 52	13 31		n.a.
S 11	21 20	13 18	2 37	25 15	1 53	10 15	1 41	16 54	0 15	18 30	1 25	16 29	1 19	8 23	0 47	18 0	1 29	28 16	5 1	1 24	1 53	13 28		n.a.
S 12	21 30	18 37	3 31	25 23	1 52	10 42	1 39	17 6	0 16	18 30	1 26	16 31	1 19	8 23	0 47	18 0	1 29	28 16	5 1	1 26	1 54	13 24		n.a.
M13	21 41	23 11	4 15	25 28	1 50	11 8	1 37	17 18	0 16	18 30	1 26	16 33	1 19	8 23	0 47	17 59	1 29	28 16	5 1	1 30	1 56	13 21		n.a.
T 14	21 51	26 38	4 46	25 31	1 47	11 35	1 35	17 30	0 17	18 31	1 26	16 35	1 19	8 22	0 47	17 59	1 29	28 16	5 1	1 34	1 57	13 18		n.a.
W15	22 1	28 35	5 1	25 33	1 44	12 1	1 33	17 42	0 17	18 31	1 27	16 37	1 19	8 22	0 47	17 59	1 29	28 16	5 1	1 38	1 58	13 15		n.a.
T 16	22 10	28 45	4 58	25 32	1 40	12 27	1 31	17 54	0 18	18 31	1 27	16 40	1 19	8 22	0 47	17 58	1 29	28 16	5 1	1 43	2 0	13 12		n.a.
F 17	22 19	27 1	4 36	25 30	1 36	12 52	1 29	18 5	0 19	18 31	1 27	16 42	1 19	8 22	0 47	17 58	1 29	28 16	5 1	1 46	2 1	13 9		n.a.
S 18	22 27	23 33	3 58	25 25	1 32	13 18	1 27	18 17	0 19	18 32	1 28	16 44	1 19	8 21	0 47	17 57	1 29	28 16	5 1	1 49	2 2	13 5		n.a.
S 19	22 36	18 40	3 5	25 19	1 27	13 43	1 25	18 28	0 20	18 32	1 28	16 46	1 19	8 21	0 47	17 57	1 29	28 16	5 1	1 51	2 3	13 2		n.a.
M20	22 43	12 46	2 0	25 12	1 21	14 8	1 22	18 39	0 20	18 32	1 29	16 48	1 19	8 21	0 47	17 57	1 29	28 16	5 1	1 51	2 5	12 59		n.a.
T 21	22 51	6 15	0 48	25 3	1 16	14 32	1 20	18 50	0 21	18 33	1 29	16 50	1 19	8 21	0 47	17 56	1 29	28 16	5 2	1 51	2 6	12 56		n.a.
W22	22 58	0s32	0s26	24 52	1 9	14 56	1 18	19 1	0 22	18 33	1 29	16 52	1 19	8 21	0 47	17 56	1 29	28 16	5 2	1 51	2 7	12 53		n.a.
T 23	23 4	7 13	1 38	24 40	1 3	15 20	1 15	19 12	0 22	18 34	1 30	16 54	1 19	8 20	0 47	17 55	1 28	28 16	5 2	1 52	2 9	12 49		n.a.
F 24	23 10	13 31	2 43	24 27	0 56	15 44	1 13	19 22	0 23	18 35	1 30	16 56	1 19	8 20	0 47	17 55	1 28	28 16	5 2	1 53	2 10	12 46		n.a.
S 25	23 16	19 5	3 39	24 13	0 48	16 7	1 10	19 33	0 24	18 35	1 30	16 58	1 19	8 20	0 47	17 54	1 28	28 16	5 2	1 55	2 11	12 43		n.a.
S 26	23 22	23 38	4 21	23 57	0 41	16 30	1 8	19 43	0 24	18 36	1 31	17 0	1 19	8 20	0 47	17 54	1 28	28 15	5 2	1 59	2 12	12 40		n.a.
M27	23 27	26 53	4 48	23 41	0 33	16 52	1 5	19 53	0 25	18 37	1 31	17 2	1 19	8 20	0 47	17 54	1 28	28 15	5 2	2 3	2 14	12 37		n.a.
T 28	23 31	28 36	5 0	23 23	0 25	17 14	1 3	20 3	0 25	18 38	1 31	17 4	1 19	8 20	0 47	17 53	1 28	28 15	5 2	2 8	2 15	12 33		n.a.
W29	23 35	28 45	4 56	23 5	0 16	17 36	1 0	20 13	0 26	18 39	1 32	17 6	1 19	8 20	0 47	17 53	1 28	28 15	5 2	2 13	2 16	12 30		n.a.
T 30	23n39	27s22	4s37	22n46	0n 7	17n57	0s58	20n23	0n27	18s40	1s32	17n 8	1s19	8s20	0s47	17n52	1n28	28s15	5s 2	2s18	2s18	12s27		n.a.

Julian Day Number = 1107954.5, Delta T = 10h55m35s
Ecliptic obliquity = 23°53'34, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'30, Lahiri = -27°07'30 Julian Calendar 1 June 1680 BCE == Greg. Calendar 18 May 1680 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

JULY 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 37 48	23♊ 1'40	29♉20	19♋20	24♉14	28♉ 1	13°R 4	21♉18	10°R55	15♌36	16°R57	24°R 8	24♓17	2♓52	n.a.	F 1
S 2	17 41 44	23°59'16	11♒26	20°33	25°26	28°40	13♒ 1	21°25	10♓55	15°38	16♐56	24♓ 1	24°14	2°59	n.a.	S 2
S 3	17 45 41	24°56'54	23°22	21°45	26°39	29°18	12°58	21°32	10°55	15°40	16°54	23°55	24°10	3° 5	n.a.	S 3
M 4	17 49 37	25°54'34	5♓12	22°54	27°51	29°56	12°55	21°39	10°55	15°41	16°53	23°53	24° 7	3°12	n.a.	M 4
T 5	17 53 34	26°52'15	17° 0	24° 2	29° 3	0♊35	12°52	21°46	10°55	15°43	16°51	23°52	24° 4	3°19	n.a.	T 5
W 6	17 57 30	27°49'58	28°52	25° 6	0♊16	1°13	12°48	21°53	10°55	15°44	16°50	23°52	24° 1	3°25	n.a.	W 6
T 7	18 1 27	28°47'43	10♈53	26° 9	1°28	1°52	12°45	22° 0	10°54	15°46	16°49	23°52	23°58	3°32	n.a.	T 7
F 8	18 5 23	29°45'30	23° 8	27° 9	2°41	2°30	12°41	22° 7	10°54	15°48	16°47	23°50	23°54	3°39	n.a.	F 8
S 9	18 9 20	0♋43'19	5♉42	28° 6	3°54	3° 8	12°37	22°13	10°54	15°49	16°46	23°46	23°51	3°45	n.a.	S 9
S 10	18 13 17	1°41'09	18°40	29° 0	5° 6	3°46	12°32	22°20	10°53	15°51	16°45	23°40	23°48	3°52	n.a.	S 10
M11	18 17 13	2°39'02	2♊ 3	29°51	6°19	4°25	12°28	22°27	10°53	15°53	16°43	23°31	23°45	3°59	n.a.	M11
T 12	18 21 10	3°36'56	15°51	0♌39	7°32	5° 3	12°24	22°33	10°52	15°54	16°42	23°20	23°42	4° 5	n.a.	T 12
W13	18 25 6	4°34'52	0♋ 1	1°24	8°45	5°41	12°19	22°40	10°52	15°56	16°41	23° 9	23°39	4°12	n.a.	W13
T 14	18 29 3	5°32'51	14°28	2° 5	9°58	6°19	12°14	22°47	10°51	15°58	16°39	22°58	23°35	4°18	n.a.	T 14
F 15	18 32 59	6°30'50	29° 6	2°42	11°11	6°57	12° 9	22°53	10°51	16° 0	16°38	22°48	23°32	4°25	n.a.	F 15
S 16	18 36 56	7°28'52	13♌47	3°15	12°24	7°35	12° 4	22°59	10°50	16° 2	16°37	22°41	23°29	4°32	n.a.	S 16
S 17	18 40 52	8°26'55	28°24	3°44	13°37	8°13	11°58	23° 6	10°49	16° 3	16°36	22°37	23°26	4°38	n.a.	S 17
M18	18 44 49	9°24'59	12♍52	4° 8	14°50	8°51	11°53	23°12	10°48	16° 5	16°34	22°35	23°23	4°45	n.a.	M18
T 19	18 48 46	10°23'05	27° 7	4°27	16° 3	9°29	11°47	23°18	10°48	16° 7	16°33	22°D35	23°20	4°52	n.a.	T 19
W20	18 52 42	11°21'12	11♎ 9	4°41	17°17	10° 7	11°41	23°24	10°47	16° 9	16°32	22°R35	23°16	4°58	n.a.	W20
T 21	18 56 39	12°19'21	24°56	4°50	18°30	10°45	11°35	23°30	10°46	16°11	16°31	22°34	23°13	5° 5	n.a.	T 21
F 22	19 0 35	13°17'32	8♏29	4°R53	19°43	11°23	11°29	23°36	10°45	16°13	16°29	22°32	23°10	5°12	n.a.	F 22
S 23	19 4 32	14°15'45	21°50	4°51	20°57	12° 0	11°23	23°42	10°44	16°15	16°28	22°27	23° 7	5°18	n.a.	S 23
S 24	19 8 28	15°13'59	4♐59	4°42	22°10	12°38	11°16	23°48	10°43	16°17	16°27	22°19	23° 4	5°25	n.a.	S 24
M25	19 12 25	16°12'15	17°55	4°26	23°24	13°16	11°10	23°54	10°42	16°19	16°26	22°10	23° 0	5°32	n.a.	M25
T 26	19 16 21	17°10'32	0♑40	4° 5	24°37	13°54	11° 3	24° 0	10°40	16°21	16°25	21°58	22°57	5°38	n.a.	T 26
W27	19 20 18	18° 8'52	13°13	3°36	25°51	14°31	10°57	24° 6	10°39	16°23	16°23	21°47	22°54	5°45	n.a.	W27
T 28	19 24 15	19° 7'14	25°33	3° 2	27° 5	15° 9	10°50	24°11	10°38	16°25	16°22	21°36	22°51	5°52	n.a.	T 28
F 29	19 28 11	20° 5'38	7♒43	2°21	28°18	15°47	10°43	24°17	10°37	16°27	16°21	21°27	22°48	5°58	n.a.	F 29
S 30	19 32 8	21° 4'03	19°43	1°35	29°32	16°24	10°36	24°22	10°35	16°29	16°20	21°20	22°45	6° 5	n.a.	S 30
S 31	19 36 4	22♋ 2'31	1♓35	0♌43	0♋46	17♊ 2	10♒28	24♉28	10♓34	16♌31	16♐19	21♓15	22♓41	6♓12	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n42	24s41	4s 6	22n26	0s 2	18n18	0s55	20n32	0n27	18s41	1s32	17n10	1s19	8s20	0s47	17n52	1n28	28s15	5s 2	2s22	2s19	12s24		n.a.
S 2	23 45	20 57	3 24	22 6	0 11	18 38	0 52	20 41	0 28	18 42	1 33	17 12	1 19	8 20	0 47	17 51	1 28	28 15	5 2	2 25	2 20	12 21		n.a.
S 3	23 48	16 24	2 34	21 45	0 21	18 58	0 50	20 51	0 28	18 43	1 33	17 13	1 19	8 20	0 47	17 51	1 28	28 15	5 2	2 27	2 21	12 17		n.a.
M 4	23 50	11 17	1 37	21 24	0 31	19 18	0 47	21 0	0 29	18 45	1 33	17 15	1 19	8 20	0 47	17 50	1 28	28 15	5 3	2 28	2 23	12 14		n.a.
T 5	23 51	5 47	0 36	21 3	0 41	19 36	0 44	21 8	0 30	18 46	1 34	17 17	1 19	8 20	0 47	17 50	1 28	28 15	5 3	2 29	2 24	12 11		n.a.
W 6	23 52	0 3	0n26	20 41	0 51	19 55	0 42	21 17	0 30	18 47	1 34	17 19	1 19	8 21	0 47	17 49	1 28	28 15	5 3	2 29	2 25	12 8		n.a.
T 7	23 53	5n44	1 29	20 19	1 1	20 13	0 39	21 26	0 31	18 48	1 34	17 21	1 19	8 21	0 48	17 49	1 28	28 15	5 3	2 29	2 27	12 4		n.a.
F 8	23 54	11 27	2 28	19 57	1 12	20 30	0 36	21 34	0 31	18 50	1 35	17 22	1 19	8 21	0 48	17 48	1 28	28 14	5 3	2 30	2 28	12 1		n.a.
S 9	23 53	16 51	3 22	19 35	1 22	20 47	0 33	21 42	0 32	18 51	1 35	17 24	1 19	8 21	0 48	17 48	1 28	28 14	5 3	2 31	2 29	11 58		n.a.
S 10	23 53	21 40	4 7	19 14	1 33	21 3	0 31	21 50	0 33	18 53	1 35	17 26	1 19	8 21	0 48	17 47	1 28	28 14	5 3	2 34	2 30	11 55		n.a.
M11	23 52	25 32	4 40	18 52	1 44	21 19	0 28	21 58	0 33	18 54	1 35	17 28	1 19	8 21	0 48	17 46	1 28	28 14	5 3	2 37	2 32	11 51		n.a.
T 12	23 51	28 4	4 58	18 31	1 55	21 34	0 25	22 6	0 34	18 56	1 36	17 29	1 19	8 22	0 48	17 46	1 28	28 14	5 3	2 42	2 33	11 48		n.a.
W13	23 49	28 52	4 59	18 11	2 6	21 49	0 22	22 13	0 34	18 58	1 36	17 31	1 19	8 22	0 48	17 45	1 28	28 14	5 3	2 46	2 34	11 45		n.a.
T 14	23 46	27 44	4 40	17 51	2 17	22 3	0 19	22 21	0 35	18 59	1 36	17 33	1 19	8 22	0 48	17 45	1 28	28 14	5 3	2 51	2 36	11 42		n.a.
F 15	23 44	24 41	4 3	17 32	2 28	22 16	0 17	22 28	0 36	19 1	1 37	17 34	1 19	8 22	0 48	17 44	1 28	28 14	5 3	2 55	2 37	11 38		n.a.
S 16	23 41	20 2	3 10	17 14	2 39	22 29	0 14	22 35	0 36	19 3	1 37	17 36	1 19	8 23	0 48	17 44	1 28	28 14	5 3	2 57	2 38	11 35		n.a.
S 17	23 37	14 12	2 5	16 57	2 49	22 41	0 11	22 42	0 37	19 5	1 37	17 38	1 19	8 23	0 48	17 43	1 28	28 14	5 3	2 59	2 39	11 32		n.a.
M18	23 33	7 39	0 51	16 41	3 0	22 52	0 8	22 49	0 38	19 7	1 37	17 39	1 19	8 23	0 48	17 42	1 28	28 13	5 3	3 0	2 41	11 29		n.a.
T 19	23 29	0 48	0s24	16 26	3 10	23 3	0 6	22 55	0 38	19 8	1 38	17 41	1 19	8 24	0 48	17 42	1 28	28 13	5 3	3 0	2 42	11 25		n.a.
W20	23 24	5s58	1 37	16 13	3 20	23 13	0 3	23 2	0 39	19 10	1 38	17 42	1 19	8 24	0 48	17 41	1 28	28 13	5 3	3 0	2 43	11 22		n.a.
T 21	23 19	12 21	2 43	16 2	3 29	23 23	0 0	23 8	0 39	19 12	1 38	17 44	1 19	8 24	0 48	17 41	1 28	28 13	5 3	3 0	2 44	11 19		n.a.
F 22	23 13	18 2	3 38	15 53	3 38	23 32	0n 2	23 14	0 40	19 14	1 39	17 45	1 19	8 25	0 48	17 40	1 28	28 13	5 3	3 1	2 46	11 16		n.a.
S 23	23 7	22 46	4 21	15 46	3 46	23 40	0 5	23 20	0 41	19 16	1 39	17 47	1 19	8 25	0 48	17 39	1 28	28 13	5 3	3 3	2 47	11 12		n.a.
S 24	23 0	26 16	4 49	15 41	3 53	23 47	0 8	23 25	0 41	19 18	1 39	17 48	1 19	8 26	0 48	17 39	1 28	28 13	5 3	3 6	2 48	11 9		n.a.
M25	22 53	28 21	5 2	15 38	4 0	23 54	0 10	23 31	0 42	19 20	1 39	17 50	1 19	8 26	0 48	17 38	1 28	28 13	5 3	3 10	2 50	11 6		n.a.
T 26	22 46	28 53	4 59	15 38	4 5	24 0	0 13	23 36	0 42	19 22	1 39	17 51	1 19	8 27	0 48	17 38	1 28	28 13	5 3	3 15	2 51	11 2		n.a.
W27	22 38	27 54	4 42	15 40	4 10	24 5	0 16	23 41	0 43	19 25	1 40	17 52	1 19	8 27	0 48	17 37	1 28	28 12	5 3	3 19	2 52	10 59		n.a.
T 28	22 30	25 33	4 12	15 46	4 12	24 10	0 18	23 46	0 44	19 27	1 40	17 54	1 19	8 28	0 48	17 36	1 28	28 12	5 3	3 24	2 53	10 56		n.a.
F 29	22 21	22 4	3 31	15 53	4 14	24 14	0 21	23 51	0 44	19 29	1 40	17 55	1 19	8 28	0 48	17 36	1 28	28 12	5 3	3 27	2 55	10 53		n.a.
S 30	22 12	17 43	2 40	16 4	4 13	24 17	0 23	23 56	0 45	19 31	1 40	17 56	1 19	8 29	0 48	17 35	1 28	28 12	5 3	3 30	2 56	10 49		n.a.
S 31	22n 3	12s43	1s43	16n18	4s11	24n19	0n26	24n 0	0n46	19s33	1s41	17n58	1s19	8s29	0s48	17n34	1n28	28s12	5s 3	3s32	2s57	10s46		n.a.

Julian Day Number = 1107984.5, Delta T = 10h55m33s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'26, Lahiri = -27°07'26 Julian Calendar 1 July 1680 BCE == Greg. Calendar 17 June 1680 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

AUGUST 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 40 1	23♋ 1'01	13♓22	29°R47	2♋ 0	17♊39	10°R21	24♉33	10°R33	16♌33	16°R18	21°R13	22♓38	6♓18	n.a.	M 1
T 2	19 43 57	23°59'34	25° 9	28♋48	3°14	18°17	10♒14	24°38	10♓31	16°35	16♐17	21°D13	22°35	6°25	n.a.	T 2
W 3	19 47 54	24°58'08	7♈ 0	27°46	4°28	18°54	10° 6	24°43	10°30	16°37	16°16	21♓14	22°32	6°32	n.a.	W 3
T 4	19 51 50	25°56'45	18°59	26°44	5°42	19°32	9°59	24°49	10°28	16°39	16°15	21°15	22°29	6°38	n.a.	T 4
F 5	19 55 47	26°55'25	1♉13	25°41	6°56	20° 9	9°51	24°54	10°27	16°42	16°14	21°R15	22°26	6°45	n.a.	F 5
S 6	19 59 43	27°54'06	13°45	24°41	8°10	20°46	9°44	24°59	10°25	16°44	16°13	21°13	22°22	6°52	n.a.	S 6
S 7	20 3 40	28°52'51	26°42	23°44	9°24	21°24	9°36	25° 3	10°23	16°46	16°12	21°10	22°19	6°58	n.a.	S 7
M 8	20 7 37	29°51'37	10♊ 6	22°53	10°39	22° 1	9°28	25° 8	10°22	16°48	16°11	21° 4	22°16	7° 5	n.a.	M 8
T 9	20 11 33	0♌50'27	23°57	22° 7	11°53	22°38	9°20	25°13	10°20	16°50	16°10	20°57	22°13	7°11	n.a.	T 9
W10	20 15 30	1°49'18	8♋16	21°29	13° 7	23°15	9°12	25°18	10°18	16°52	16° 9	20°50	22°10	7°18	n.a.	W10
T 11	20 19 26	2°48'12	22°57	20°59	14°22	23°53	9° 4	25°22	10°17	16°55	16° 8	20°42	22° 6	7°25	n.a.	T 11
F 12	20 23 23	3°47'08	7♌53	20°39	15°36	24°30	8°56	25°27	10°15	16°57	16° 8	20°35	22° 3	7°31	n.a.	F 12
S 13	20 27 19	4°46'06	22°55	20°28	16°50	25° 7	8°48	25°31	10°13	16°59	16° 7	20°31	22° 0	7°38	n.a.	S 13
S 14	20 31 16	5°45'06	7♍55	20°D27	18° 5	25°44	8°40	25°35	10°11	17° 1	16° 6	20°28	21°57	7°45	n.a.	S 14
M15	20 35 12	6°44'08	22°43	20°36	19°20	26°21	8°32	25°39	10° 9	17° 3	16° 5	20°D28	21°54	7°51	n.a.	M15
T 16	20 39 9	7°43'12	7♎15	20°55	20°34	26°58	8°24	25°43	10° 7	17° 6	16° 4	20°28	21°51	7°58	n.a.	T 16
W17	20 43 6	8°42'18	21°27	21°24	21°49	27°35	8°16	25°47	10° 5	17° 8	16° 4	20°30	21°47	8° 5	n.a.	W17
T 18	20 47 2	9°41'26	5♏18	22° 2	23° 3	28°12	8° 8	25°51	10° 3	17°10	16° 3	20°R31	21°44	8°11	n.a.	T 18
F 19	20 50 59	10°40'36	18°48	22°49	24°18	28°49	8° 0	25°55	10° 1	17°12	16° 2	20°30	21°41	8°18	n.a.	F 19
S 20	20 54 55	11°39'48	2♐ 0	23°44	25°33	29°26	7°52	25°59	9°59	17°14	16° 2	20°28	21°38	8°25	n.a.	S 20
S 21	20 58 52	12°39'01	14°55	24°46	26°48	0♋ 3	7°44	26° 3	9°57	17°17	16° 1	20°25	21°35	8°31	n.a.	S 21
M22	21 2 48	13°38'17	27°35	25°55	28° 2	0°39	7°36	26° 6	9°55	17°19	16° 0	20°20	21°31	8°38	n.a.	M22
T 23	21 6 45	14°37'35	10♑ 3	27°10	29°17	1°16	7°28	26°10	9°53	17°21	16° 0	20°14	21°28	8°45	n.a.	T 23
W24	21 10 41	15°36'55	22°19	28°31	0♌32	1°53	7°20	26°13	9°51	17°23	15°59	20° 7	21°25	8°51	n.a.	W24
T 25	21 14 38	16°36'16	4♒26	29°56	1°47	2°30	7°12	26°16	9°48	17°26	15°59	20° 1	21°22	8°58	n.a.	T 25
F 26	21 18 34	17°35'40	16°26	1♌25	3° 2	3° 6	7° 5	26°19	9°46	17°28	15°58	19°56	21°19	9° 5	n.a.	F 26
S 27	21 22 31	18°35'06	28°19	2°57	4°17	3°43	6°57	26°22	9°44	17°30	15°58	19°53	21°16	9°11	n.a.	S 27
S 28	21 26 28	19°34'35	10♓ 8	4°32	5°32	4°19	6°49	26°25	9°42	17°32	15°57	19°51	21°12	9°18	n.a.	S 28
M29	21 30 24	20°34'05	21°54	6°10	6°47	4°56	6°42	26°28	9°39	17°35	15°57	19°D50	21° 9	9°24	n.a.	M29
T 30	21 34 21	21°33'38	3♈42	7°49	8° 2	5°32	6°34	26°31	9°37	17°37	15°56	19°51	21° 6	9°31	n.a.	T 30
W31	21 38 17	22♌33'13	15♈34	9♌30	9♌17	6♋ 9	6♒27	26♉34	9♓35	17♌39	15♐56	19♓52	21♓ 3	9♓38	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n53	7s18	0s42	16n34	4s 7	24n21	0n28	24n 4	0n46	19s35	1s41	17n59	1s19	8s30	0s48	17n34	1n28	28s12	5s 3	3s33	2s59	10s43		n.a.
T 2	21 43	1 38	0n21	16 52	4 1	24 22	0 31	24 8	0 47	19 38	1 41	18 0	1 19	8 30	0 48	17 33	1 28	28 12	5 3	3 33	3 0	10 39		n.a.
W 3	21 32	4n 6	1 24	17 12	3 52	24 22	0 33	24 12	0 47	19 40	1 41	18 2	1 19	8 31	0 48	17 32	1 28	28 12	5 3	3 33	3 1	10 36		n.a.
T 4	21 21	9 47	2 24	17 34	3 42	24 21	0 35	24 16	0 48	19 42	1 41	18 3	1 19	8 32	0 48	17 32	1 28	28 11	5 3	3 32	3 2	10 33		n.a.
F 5	21 10	15 12	3 18	17 58	3 30	24 20	0 38	24 20	0 49	19 44	1 41	18 4	1 19	8 32	0 48	17 31	1 28	28 11	5 3	3 32	3 4	10 29		n.a.
S 6	20 58	20 9	4 5	18 23	3 16	24 18	0 40	24 23	0 49	19 47	1 42	18 5	1 20	8 33	0 48	17 30	1 28	28 11	5 3	3 33	3 5	10 26		n.a.
S 7	20 46	24 19	4 40	18 48	3 1	24 15	0 42	24 26	0 50	19 49	1 42	18 6	1 20	8 34	0 49	17 30	1 28	28 11	5 3	3 34	3 6	10 23		n.a.
M 8	20 34	27 21	5 2	19 13	2 44	24 12	0 44	24 29	0 51	19 51	1 42	18 7	1 20	8 34	0 49	17 29	1 28	28 11	5 3	3 36	3 7	10 20		n.a.
T 9	20 21	28 52	5 7	19 38	2 26	24 7	0 47	24 32	0 51	19 54	1 42	18 9	1 20	8 35	0 49	17 28	1 28	28 11	5 3	3 39	3 9	10 16		n.a.
W10	20 8	28 31	4 53	20 3	2 7	24 2	0 49	24 35	0 52	19 56	1 42	18 10	1 20	8 36	0 49	17 28	1 28	28 11	5 3	3 42	3 10	10 13		n.a.
T 11	19 54	26 11	4 21	20 26	1 48	23 57	0 51	24 37	0 52	19 58	1 42	18 11	1 20	8 36	0 49	17 27	1 28	28 11	5 3	3 45	3 11	10 10		n.a.
F 12	19 40	22 1	3 29	20 48	1 29	23 50	0 53	24 40	0 53	20 0	1 42	18 12	1 20	8 37	0 49	17 26	1 28	28 10	5 3	3 48	3 13	10 6		n.a.
S 13	19 26	16 23	2 23	21 9	1 10	23 43	0 55	24 42	0 54	20 3	1 42	18 13	1 20	8 38	0 49	17 26	1 28	28 10	5 3	3 50	3 14	10 3		n.a.
S 14	19 11	9 48	1 7	21 27	0 51	23 35	0 57	24 44	0 54	20 5	1 43	18 14	1 20	8 38	0 49	17 25	1 28	28 10	5 3	3 51	3 15	10 0		n.a.
M15	18 56	2 45	0s12	21 44	0 33	23 26	0 58	24 45	0 55	20 7	1 43	18 15	1 20	8 39	0 49	17 24	1 28	28 10	5 3	3 51	3 16	9 56		n.a.
T 16	18 41	4s18	1 30	21 58	0 16	23 17	1 0	24 47	0 56	20 9	1 43	18 16	1 20	8 40	0 49	17 24	1 28	28 10	5 3	3 51	3 18	9 53		n.a.
W17	18 26	10 59	2 40	22 10	0n 1	23 6	1 2	24 48	0 56	20 12	1 43	18 17	1 20	8 41	0 49	17 23	1 28	28 10	5 3	3 50	3 19	9 50		n.a.
T 18	18 10	16 58	3 39	22 19	0 16	22 56	1 4	24 50	0 57	20 14	1 43	18 17	1 20	8 42	0 49	17 22	1 28	28 10	5 3	3 50	3 20	9 46		n.a.
F 19	17 53	21 59	4 25	22 26	0 31	22 44	1 5	24 51	0 57	20 16	1 43	18 18	1 20	8 42	0 49	17 22	1 28	28 10	5 3	3 50	3 22	9 43		n.a.
S 20	17 37	25 46	4 55	22 29	0 44	22 32	1 7	24 52	0 58	20 18	1 43	18 19	1 20	8 43	0 49	17 21	1 28	28 10	5 3	3 51	3 23	9 40		n.a.
S 21	17 20	28 9	5 9	22 30	0 56	22 19	1 8	24 52	0 59	20 20	1 43	18 20	1 20	8 44	0 49	17 20	1 28	28 9	5 3	3 52	3 24	9 36		n.a.
M22	17 3	29 0	5 8	22 28	1 7	22 5	1 10	24 53	0 59	20 22	1 43	18 21	1 20	8 45	0 49	17 20	1 28	28 9	5 3	3 54	3 25	9 33		n.a.
T 23	16 45	28 22	4 53	22 22	1 17	21 51	1 11	24 53	1 0	20 25	1 43	18 21	1 20	8 46	0 49	17 19	1 28	28 9	5 3	3 57	3 27	9 30		n.a.
W24	16 27	26 20	4 24	22 14	1 25	21 36	1 13	24 53	1 1	20 27	1 43	18 22	1 20	8 47	0 49	17 18	1 28	28 9	5 2	3 59	3 28	9 26		n.a.
T 25	16 9	23 7	3 43	22 3	1 33	21 20	1 14	24 53	1 1	20 29	1 43	18 23	1 20	8 47	0 49	17 17	1 28	28 9	5 2	4 2	3 29	9 23		n.a.
F 26	15 51	18 57	2 53	21 50	1 39	21 4	1 15	24 53	1 2	20 31	1 43	18 24	1 21	8 48	0 49	17 17	1 28	28 9	5 2	4 4	3 30	9 20		n.a.
S 27	15 32	14 5	1 55	21 33	1 44	20 47	1 16	24 53	1 3	20 33	1 43	18 24	1 21	8 49	0 49	17 16	1 28	28 9	5 2	4 5	3 32	9 16		n.a.
S 28	15 14	8 44	0 53	21 14	1 48	20 30	1 18	24 52	1 3	20 35	1 43	18 25	1 21	8 50	0 49	17 15	1 28	28 9	5 2	4 6	3 33	9 13		n.a.
M29	14 54	3 6	0n11	20 53	1 51	20 12	1 19	24 52	1 4	20 37	1 43	18 26	1 21	8 51	0 49	17 15	1 28	28 9	5 2	4 6	3 34	9 10		n.a.
T 30	14 35	2n39	1 16	20 29	1 54	19 53	1 20	24 51	1 5	20 38	1 43	18 26	1 21	8 52	0 49	17 14	1 28	28 8	5 2	4 6	3 36	9 6		n.a.
W31	14n15	8n20	2n17	20n 4	1n55	19n34	1n20	24n50	1n 5	20s40	1s43	18n27	1s21	8s53	0s49	17n13	1n28	28s 8	5s 2	4s 5	3s37	9s 3		n.a.

Julian Day Number = 1108015.5, Delta T = 10h55m31s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'22, Lahiri = -27°07'21 Julian Calendar 1 Aug. 1680 BCE == Greg. Calendar 18 July 1680 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

SEPTEMBER 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 42 14	23♌32'51	27♈34	11♌11	10♌32	6♋45	6°R19	26♉36	9°R32	17♌41	15°R56	19♓54	21♓ 0	9♓44	n.a.	T 1
F 2	21 46 10	24°32'31	9♉47	12°54	11°47	7°22	6♒12	26°39	9♓30	17°43	15♐55	19°56	20°57	9°51	n.a.	F 2
S 3	21 50 7	25°32'14	22°17	14°37	13° 2	7°58	6° 5	26°41	9°28	17°46	15°55	19°R57	20°53	9°58	n.a.	S 3
S 4	21 54 3	26°31'59	5♊ 9	16°21	14°18	8°34	5°58	26°43	9°25	17°48	15°55	19°56	20°50	10° 4	n.a.	S 4
M 5	21 58 0	27°31'46	18°26	18° 5	15°33	9°11	5°51	26°45	9°23	17°50	15°54	19°55	20°47	10°11	n.a.	M 5
T 6	22 1 56	28°31'36	2♋10	19°49	16°48	9°47	5°44	26°47	9°21	17°52	15°54	19°53	20°44	10°18	n.a.	T 6
W 7	22 5 53	29°31'29	16°23	21°32	18° 3	10°23	5°37	26°49	9°18	17°55	15°54	19°50	20°41	10°24	n.a.	W 7
T 8	22 9 50	0♍31'23	1♌ 1	23°16	19°19	10°59	5°31	26°51	9°16	17°57	15°54	19°47	20°37	10°31	n.a.	T 8
F 9	22 13 46	1°31'20	15°59	24°59	20°34	11°35	5°24	26°53	9°13	17°59	15°54	19°45	20°34	10°38	n.a.	F 9
S 10	22 17 43	2°31'19	1♍10	26°42	21°49	12°11	5°18	26°54	9°11	18° 1	15°54	19°43	20°31	10°44	n.a.	S 10
S 11	22 21 39	3°31'20	16°23	28°25	23° 5	12°47	5°12	26°56	9° 8	18° 3	15°54	19°D43	20°28	10°51	n.a.	S 11
M12	22 25 36	4°31'23	1♎29	0♍ 7	24°20	13°23	5° 6	26°57	9° 6	18° 5	15°54	19°43	20°25	10°58	n.a.	M12
T 13	22 29 32	5°31'28	16°19	1°48	25°36	13°59	5° 0	26°58	9° 4	18° 8	15°D54	19°44	20°22	11° 4	n.a.	T 13
W14	22 33 29	6°31'35	0♏47	3°29	26°51	14°35	4°54	26°59	9° 1	18°10	15°54	19°45	20°18	11°11	n.a.	W14
T 15	22 37 25	7°31'44	14°51	5°10	28° 7	15°11	4°48	27° 0	8°59	18°12	15°54	19°46	20°15	11°17	n.a.	T 15
F 16	22 41 22	8°31'54	28°28	6°50	29°22	15°47	4°43	27° 1	8°56	18°14	15°54	19°47	20°12	11°24	n.a.	F 16
S 17	22 45 19	9°32'06	11♐41	8°30	0♍38	16°22	4°38	27° 2	8°54	18°16	15°54	19°R47	20° 9	11°31	n.a.	S 17
S 18	22 49 15	10°32'20	24°32	10° 9	1°53	16°58	4°33	27° 3	8°51	18°18	15°54	19°46	20° 6	11°37	n.a.	S 18
M19	22 53 12	11°32'35	7♑ 5	11°47	3° 9	17°34	4°28	27° 3	8°49	18°20	15°54	19°46	20° 3	11°44	n.a.	M19
T 20	22 57 8	12°32'52	19°22	13°25	4°24	18° 9	4°23	27° 4	8°46	18°22	15°54	19°45	19°59	11°51	n.a.	T 20
W21	23 1 5	13°33'11	1♒28	15° 3	5°40	18°45	4°18	27° 4	8°44	18°25	15°54	19°44	19°56	11°57	n.a.	W21
T 22	23 5 1	14°33'32	13°25	16°40	6°55	19°20	4°14	27° 4	8°41	18°27	15°55	19°43	19°53	12° 4	n.a.	T 22
F 23	23 8 58	15°33'54	25°16	18°17	8°11	19°56	4°10	27°R 4	8°39	18°29	15°55	19°43	19°50	12°11	n.a.	F 23
S 24	23 12 54	16°34'18	7♓ 5	19°53	9°26	20°31	4° 5	27° 4	8°37	18°31	15°55	19°42	19°47	12°17	n.a.	S 24
S 25	23 16 51	17°34'44	18°53	21°29	10°42	21° 6	4° 2	27° 4	8°34	18°33	15°55	19°D42	19°43	12°24	n.a.	S 25
M26	23 20 47	18°35'11	0♈42	23° 5	11°57	21°42	3°58	27° 4	8°32	18°35	15°56	19°42	19°40	12°31	n.a.	M26
T 27	23 24 44	19°35'40	12°35	24°40	13°13	22°17	3°54	27° 4	8°29	18°37	15°56	19°R42	19°37	12°37	n.a.	T 27
W28	23 28 41	20°36'12	24°33	26°15	14°29	22°52	3°51	27° 3	8°27	18°39	15°57	19°42	19°34	12°44	n.a.	W28
T 29	23 32 37	21°36'45	6♉40	27°49	15°44	23°27	3°48	27° 3	8°24	18°41	15°57	19°42	19°31	12°51	n.a.	T 29
F 30	23 36 34	22♍37'20	18♉59	29♍23	17♍ 0	24♋ 2	3♒45	27♉ 2	8♓22	18♌43	15♐57	19♓42	19♓28	12♓57	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n55	13n48	3n13	19n36	1n56	19n14	1n21	24n49	1n 6	20s42	1s43	18n27	1s21	8s54	0s49	17n13	1n28	28s 8	5s 2	4s 4	3s38	9s 0		n.a.
F 2	13 35	18 50	4 1	19 6	1 56	18 53	1 22	24 47	1 7	20 44	1 43	18 28	1 21	8 54	0 49	17 12	1 28	28 8	5 2	4 4	3 39	8 56		n.a.
S 3	13 15	23 11	4 40	18 35	1 55	18 32	1 23	24 46	1 7	20 46	1 43	18 28	1 21	8 55	0 49	17 11	1 28	28 8	5 2	4 3	3 41	8 53		n.a.
S 4	12 54	26 33	5 5	18 3	1 54	18 11	1 23	24 44	1 8	20 47	1 43	18 29	1 21	8 56	0 49	17 11	1 28	28 8	5 2	4 3	3 42	8 49		n.a.
M 5	12 34	28 37	5 15	17 29	1 52	17 49	1 24	24 42	1 9	20 49	1 43	18 29	1 21	8 57	0 49	17 10	1 28	28 8	5 2	4 4	3 43	8 46		n.a.
T 6	12 12	29 1	5 8	16 53	1 50	17 26	1 25	24 40	1 9	20 51	1 42	18 30	1 21	8 58	0 49	17 9	1 28	28 8	5 2	4 5	3 44	8 43		n.a.
W 7	11 51	27 32	4 42	16 17	1 47	17 3	1 25	24 38	1 10	20 52	1 42	18 30	1 21	8 59	0 49	17 9	1 28	28 8	5 2	4 6	3 46	8 39		n.a.
T 8	11 30	24 10	3 58	15 39	1 44	16 40	1 25	24 36	1 11	20 54	1 42	18 30	1 21	9 0	0 49	17 8	1 28	28 8	5 2	4 7	3 47	8 36		n.a.
F 9	11 8	19 8	2 56	15 1	1 40	16 16	1 26	24 33	1 11	20 56	1 42	18 31	1 21	9 1	0 49	17 7	1 28	28 8	5 2	4 8	3 48	8 33		n.a.
S 10	10 46	12 50	1 41	14 21	1 36	15 51	1 26	24 31	1 12	20 57	1 42	18 31	1 21	9 2	0 49	17 7	1 28	28 8	5 2	4 9	3 50	8 29		n.a.
S 11	10 24	5 45	0 18	13 41	1 32	15 26	1 26	24 28	1 13	20 58	1 42	18 31	1 22	9 3	0 49	17 6	1 28	28 7	5 1	4 9	3 51	8 26		n.a.
M12	10 2	1s35	1s 5	13 0	1 27	15 1	1 26	24 25	1 13	21 0	1 42	18 31	1 22	9 4	0 49	17 5	1 28	28 7	5 1	4 9	3 52	8 22		n.a.
T 13	9 40	8 43	2 22	12 19	1 23	14 35	1 26	24 22	1 14	21 1	1 42	18 32	1 22	9 5	0 49	17 5	1 28	28 7	5 1	4 8	3 53	8 19		n.a.
W14	9 17	15 13	3 29	11 37	1 18	14 9	1 26	24 19	1 15	21 2	1 42	18 32	1 22	9 6	0 49	17 4	1 28	28 7	5 1	4 8	3 55	8 16		n.a.
T 15	8 54	20 44	4 20	10 55	1 12	13 42	1 26	24 15	1 15	21 4	1 41	18 32	1 22	9 7	0 49	17 3	1 28	28 7	5 1	4 8	3 56	8 12		n.a.
F 16	8 31	25 0	4 56	10 12	1 7	13 15	1 26	24 12	1 16	21 5	1 41	18 32	1 22	9 8	0 49	17 3	1 28	28 7	5 1	4 7	3 57	8 9		n.a.
S 17	8 8	27 48	5 14	9 29	1 1	12 48	1 26	24 8	1 17	21 6	1 41	18 32	1 22	9 8	0 49	17 2	1 28	28 7	5 1	4 7	3 58	8 6		n.a.
S 18	7 45	29 3	5 16	8 45	0 55	12 20	1 26	24 4	1 17	21 7	1 41	18 32	1 22	9 9	0 49	17 1	1 28	28 7	5 1	4 7	4 0	8 2		n.a.
M19	7 22	28 45	5 3	8 2	0 49	11 52	1 25	24 0	1 18	21 8	1 41	18 32	1 22	9 10	0 49	17 1	1 28	28 7	5 1	4 8	4 1	7 59		n.a.
T 20	6 59	27 1	4 36	7 18	0 43	11 24	1 25	23 56	1 19	21 9	1 41	18 32	1 22	9 11	0 49	17 0	1 28	28 7	5 1	4 8	4 2	7 55		n.a.
W21	6 35	24 4	3 57	6 34	0 37	10 55	1 24	23 52	1 19	21 10	1 40	18 33	1 22	9 12	0 49	16 59	1 28	28 7	5 1	4 8	4 4	7 52		n.a.
T 22	6 11	20 7	3 8	5 50	0 31	10 26	1 24	23 47	1 20	21 11	1 40	18 33	1 22	9 13	0 49	16 59	1 28	28 7	5 1	4 9	4 5	7 49		n.a.
F 23	5 48	15 24	2 12	5 5	0 24	9 57	1 23	23 43	1 21	21 12	1 40	18 32	1 22	9 14	0 49	16 58	1 28	28 7	5 1	4 9	4 6	7 45		n.a.
S 24	5 24	10 9	1 10	4 21	0 18	9 27	1 23	23 38	1 21	21 13	1 40	18 32	1 22	9 15	0 49	16 58	1 28	28 7	5 1	4 9	4 7	7 42		n.a.
S 25	5 0	4 33	0 5	3 37	0 12	8 57	1 22	23 33	1 22	21 14	1 40	18 32	1 22	9 16	0 49	16 57	1 28	28 7	5 1	4 9	4 9	7 38		n.a.
M26	4 36	1n13	1n 1	2 52	0 5	8 27	1 21	23 28	1 23	21 14	1 39	18 32	1 22	9 17	0 49	16 56	1 28	28 7	5 1	4 9	4 10	7 35		n.a.
T 27	4 12	6 57	2 4	2 8	0s 1	7 57	1 20	23 23	1 24	21 15	1 39	18 32	1 22	9 18	0 49	16 56	1 28	28 7	5 0	4 9	4 11	7 32		n.a.
W28	3 48	12 30	3 2	1 24	0 8	7 26	1 19	23 18	1 24	21 15	1 39	18 32	1 23	9 19	0 49	16 55	1 28	28 7	5 0	4 9	4 12	7 28		n.a.
T 29	3 23	17 39	3 53	0 40	0 15	6 56	1 19	23 12	1 25	21 16	1 39	18 32	1 23	9 20	0 49	16 55	1 28	28 7	5 0	4 9	4 14	7 25		n.a.
F 30	2n59	22n10	4n33	0s 4	0s21	6n25	1n17	23n 7	1n26	21s16	1s39	18n32	1s23	9s20	0s49	16n54	1n28	28s 7	5s 0	4s 9	4s15	7s21		n.a.

Julian Day Number = 1108046.5, Delta T = 10h55m29s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'18, Lahiri = -27°07'17 Julian Calendar 1 Sept. 1680 BCE == Greg. Calendar 18 Aug. 1680 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

OCTOBER 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 40 30	23♍37'57	1♊31	0♎57	18♍15	24♋37	3°R42	27°R 1	8°R20	18♘44	15♐58	19°R41	19♓24	13♓ 4	n.a.	S 1
S 2	23 44 27	24°38'36	14°21	2°30	19°31	25°12	3♒40	27♉ 0	8♓17	18°46	15°58	19♓41	19°21	13°10	n.a.	S 2
M 3	23 48 23	25°39'17	27°32	4° 3	20°47	25°47	3°38	26°59	8°15	18°48	15°59	19°D41	19°18	13°17	n.a.	M 3
T 4	23 52 20	26°40'00	11♋ 5	5°36	22° 2	26°22	3°35	26°58	8°13	18°50	16° 0	19°41	19°15	13°24	n.a.	T 4
W 5	23 56 16	27°40'44	25° 4	7° 9	23°18	26°56	3°33	26°57	8°10	18°52	16° 0	19°42	19°12	13°30	n.a.	W 5
T 6	0 0 13	28°41'31	9♌26	8°41	24°34	27°31	3°32	26°55	8° 8	18°54	16° 1	19°42	19° 9	13°37	n.a.	T 6
F 7	0 4 10	29°42'19	24°10	10°13	25°49	28° 6	3°30	26°54	8° 6	18°56	16° 2	19°43	19° 5	13°44	n.a.	F 7
S 8	0 8 6	0♎43'09	9♍10	11°45	27° 5	28°40	3°29	26°52	8° 4	18°57	16° 2	19°44	19° 2	13°50	n.a.	S 8
S 9	0 12 3	1°44'01	24°19	13°17	28°21	29°15	3°28	26°51	8° 2	18°59	16° 3	19°R44	18°59	13°57	n.a.	S 9
M10	0 15 59	2°44'54	9♎28	14°48	29°36	29°49	3°27	26°49	7°59	19° 1	16° 4	19°43	18°56	14° 4	n.a.	M10
T 11	0 19 56	3°45'48	24°26	16°19	0♎52	0♌24	3°26	26°47	7°57	19° 3	16° 4	19°42	18°53	14°10	n.a.	T 11
W12	0 23 52	4°46'43	9♏ 7	17°50	2° 8	0°58	3°26	26°45	7°55	19° 4	16° 5	19°40	18°49	14°17	n.a.	W12
T 13	0 27 49	5°47'40	23°23	19°21	3°23	1°32	3°26	26°43	7°53	19° 6	16° 6	19°38	18°46	14°24	n.a.	T 13
F 14	0 31 45	6°48'38	7♐12	20°51	4°39	2° 6	3°D25	26°40	7°51	19° 8	16° 7	19°36	18°43	14°30	n.a.	F 14
S 15	0 35 42	7°49'37	20°34	22°21	5°55	2°40	3°26	26°38	7°49	19° 9	16° 8	19°34	18°40	14°37	n.a.	S 15
S 16	0 39 39	8°50'37	3♑29	23°50	7°10	3°14	3°26	26°36	7°47	19°11	16° 9	19°D33	18°37	14°44	n.a.	S 16
M17	0 43 35	9°51'38	16° 2	25°20	8°26	3°48	3°27	26°33	7°45	19°13	16°10	19°34	18°34	14°50	n.a.	M17
T 18	0 47 32	10°52'40	28°16	26°48	9°42	4°22	3°27	26°31	7°43	19°14	16°11	19°34	18°30	14°57	n.a.	T 18
W19	0 51 28	11°53'42	10♒17	28°17	10°57	4°56	3°28	26°28	7°41	19°16	16°12	19°36	18°27	15° 3	n.a.	W19
T 20	0 55 25	12°54'45	22°10	29°44	12°13	5°29	3°30	26°25	7°39	19°17	16°13	19°38	18°24	15°10	n.a.	T 20
F 21	0 59 21	13°55'50	3♓57	1♏11	13°29	6° 3	3°31	26°22	7°37	19°19	16°14	19°39	18°21	15°17	n.a.	F 21
S 22	1 3 18	14°56'55	15°44	2°37	14°44	6°37	3°33	26°19	7°35	19°20	16°15	19°R40	18°18	15°23	n.a.	S 22
S 23	1 7 14	15°58'00	27°33	4° 3	16° 0	7°10	3°34	26°16	7°34	19°21	16°16	19°40	18°14	15°30	n.a.	S 23
M24	1 11 11	16°59'07	9♈28	5°27	17°15	7°43	3°36	26°13	7°32	19°23	16°17	19°38	18°11	15°37	n.a.	M24
T 25	1 15 8	18° 0'15	21°30	6°50	18°31	8°17	3°39	26° 9	7°30	19°24	16°18	19°35	18° 8	15°43	n.a.	T 25
W26	1 19 4	19° 1'23	3♉41	8°11	19°47	8°50	3°41	26° 6	7°28	19°26	16°19	19°31	18° 5	15°50	n.a.	W26
T 27	1 23 1	20° 2'33	16° 2	9°31	21° 2	9°23	3°44	26° 3	7°27	19°27	16°20	19°26	18° 2	15°57	n.a.	T 27
F 28	1 26 57	21° 3'43	28°34	10°49	22°18	9°56	3°46	25°59	7°25	19°28	16°21	19°20	17°59	16° 3	n.a.	F 28
S 29	1 30 54	22° 4'55	11♊19	12° 5	23°33	10°29	3°49	25°55	7°24	19°29	16°23	19°14	17°55	16°10	n.a.	S 29
S 30	1 34 50	23° 6'07	24°17	13°19	24°49	11° 2	3°53	25°52	7°22	19°31	16°24	19°10	17°52	16°17	n.a.	S 30
M31	1 38 47	24♎ 7'20	7♋30	14♏29	26♎ 5	11♌34	3♒56	25♉48	7♓21	19♌32	16♐25	19♓ 7	17♓49	16♓23	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n34	25n47	5n 2	0s48	0s28	5n54	1n16	23n 1	1n26	21s17	1s38	18n31	1s23	9s21	0s49	16n53	1n28	28s 7	5s 0	4s 9	4s16	7s18		n.a.
S 2	2 10	28 11	5 16	1 32	0 34	5 23	1 15	22 56	1 27	21 17	1 38	18 31	1 23	9 22	0 49	16 53	1 28	28 7	5 0	4 10	4 17	7 15		n.a.
M 3	1 46	29 7	5 15	2 15	0 40	4 51	1 14	22 50	1 28	21 18	1 38	18 31	1 23	9 23	0 49	16 52	1 29	28 7	5 0	4 10	4 19	7 11		n.a.
T 4	1 21	28 20	4 56	2 59	0 47	4 20	1 13	22 44	1 29	21 18	1 38	18 30	1 23	9 24	0 49	16 52	1 29	28 7	5 0	4 10	4 20	7 8		n.a.
W 5	0 56	25 46	4 19	3 42	0 53	3 48	1 12	22 38	1 29	21 18	1 37	18 30	1 23	9 25	0 49	16 51	1 29	28 7	5 0	4 9	4 21	7 4		n.a.
T 6	0 32	21 32	3 26	4 25	0 59	3 16	1 10	22 31	1 30	21 18	1 37	18 30	1 23	9 26	0 49	16 51	1 29	28 7	5 0	4 9	4 23	7 1		n.a.
F 7	0 7	15 52	2 17	5 7	1 5	2 44	1 9	22 25	1 31	21 19	1 37	18 29	1 23	9 26	0 49	16 50	1 29	28 7	5 0	4 9	4 24	6 58		n.a.
S 8	0s17	9 11	0 58	5 49	1 11	2 12	1 7	22 19	1 32	21 19	1 37	18 29	1 23	9 27	0 49	16 50	1 29	28 7	5 0	4 8	4 25	6 54		n.a.
S 9	0 42	1 55	0s25	6 31	1 17	1 40	1 6	22 12	1 32	21 19	1 37	18 28	1 23	9 28	0 49	16 49	1 29	28 7	5 0	4 8	4 26	6 51		n.a.
M10	1 7	5s27	1 47	7 13	1 23	1 8	1 4	22 5	1 33	21 19	1 36	18 28	1 23	9 29	0 49	16 48	1 29	28 7	5 0	4 9	4 28	6 47		n.a.
T 11	1 31	12 26	3 1	7 54	1 28	0 36	1 3	21 58	1 34	21 19	1 36	18 28	1 23	9 30	0 49	16 48	1 29	28 7	5 0	4 9	4 29	6 44		n.a.
W12	1 56	18 36	4 1	8 34	1 34	0 4	1 1	21 52	1 35	21 18	1 36	18 27	1 23	9 31	0 49	16 47	1 29	28 7	5 0	4 10	4 30	6 40		n.a.
T 13	2 21	23 33	4 44	9 14	1 39	0s28	0 59	21 45	1 35	21 18	1 36	18 27	1 23	9 31	0 49	16 47	1 29	28 7	4 59	4 11	4 31	6 37		n.a.
F 14	2 45	27 0	5 9	9 54	1 44	1 0	0 58	21 37	1 36	21 18	1 35	18 26	1 23	9 32	0 49	16 47	1 29	28 7	4 59	4 12	4 33	6 34		n.a.
S 15	3 10	28 48	5 16	10 32	1 49	1 32	0 56	21 30	1 37	21 18	1 35	18 25	1 23	9 33	0 49	16 46	1 29	28 7	4 59	4 12	4 34	6 30		n.a.
S 16	3 34	28 58	5 7	11 11	1 54	2 4	0 54	21 23	1 38	21 17	1 35	18 25	1 23	9 34	0 49	16 46	1 29	28 7	4 59	4 13	4 35	6 27		n.a.
M17	3 59	27 36	4 43	11 48	1 58	2 37	0 52	21 16	1 38	21 17	1 35	18 24	1 23	9 34	0 49	16 45	1 29	28 7	4 59	4 13	4 36	6 23		n.a.
T 18	4 23	24 56	4 7	12 25	2 2	3 9	0 50	21 8	1 39	21 17	1 34	18 24	1 23	9 35	0 49	16 45	1 29	28 7	4 59	4 12	4 38	6 20		n.a.
W19	4 47	21 12	3 21	13 1	2 6	3 41	0 48	21 1	1 40	21 16	1 34	18 23	1 23	9 36	0 49	16 44	1 29	28 7	4 59	4 12	4 39	6 17		n.a.
T 20	5 12	16 41	2 26	13 36	2 9	4 12	0 46	20 53	1 41	21 16	1 34	18 22	1 23	9 36	0 48	16 44	1 29	28 7	4 59	4 11	4 40	6 13		n.a.
F 21	5 36	11 34	1 26	14 10	2 12	4 44	0 44	20 45	1 42	21 15	1 33	18 21	1 23	9 37	0 48	16 43	1 29	28 7	4 59	4 10	4 42	6 10		n.a.
S 22	6 0	6 4	0 22	14 43	2 15	5 16	0 42	20 37	1 42	21 14	1 33	18 21	1 23	9 38	0 48	16 43	1 29	28 7	4 59	4 10	4 43	6 6		n.a.
S 23	6 24	0 20	0n43	15 15	2 18	5 48	0 40	20 29	1 43	21 14	1 33	18 20	1 23	9 38	0 48	16 43	1 29	28 7	4 59	4 10	4 44	6 3		n.a.
M24	6 48	5n27	1 47	15 46	2 19	6 19	0 38	20 21	1 44	21 13	1 33	18 19	1 23	9 39	0 48	16 42	1 29	28 7	4 59	4 11	4 45	5 59		n.a.
T 25	7 11	11 6	2 46	16 16	2 21	6 50	0 36	20 13	1 45	21 12	1 32	18 18	1 23	9 40	0 48	16 42	1 30	28 8	4 59	4 12	4 47	5 56		n.a.
W26	7 35	16 23	3 38	16 44	2 22	7 21	0 34	20 5	1 46	21 11	1 32	18 18	1 23	9 40	0 48	16 41	1 30	28 8	4 59	4 14	4 48	5 53		n.a.
T 27	7 59	21 6	4 21	17 10	2 22	7 52	0 32	19 57	1 46	21 10	1 32	18 17	1 23	9 41	0 48	16 41	1 30	28 8	4 59	4 16	4 49	5 49		n.a.
F 28	8 22	24 57	4 52	17 35	2 22	8 23	0 29	19 49	1 47	21 9	1 32	18 16	1 23	9 41	0 48	16 41	1 30	28 8	4 59	4 18	4 50	5 46		n.a.
S 29	8 45	27 39	5 9	17 59	2 21	8 54	0 27	19 40	1 48	21 8	1 31	18 15	1 23	9 42	0 48	16 40	1 30	28 8	4 59	4 20	4 52	5 42		n.a.
S 30	9 9	28 56	5 11	18 20	2 19	9 24	0 25	19 32	1 49	21 7	1 31	18 14	1 23	9 43	0 48	16 40	1 30	28 8	4 59	4 22	4 53	5 39		n.a.
M31	9s32	28n36	4n56	18s39	2s16	9s54	0n23	19n23	1n50	21s 6	1s31	18n13	1s23	9s43	0s48	16n40	1n30	28s 8	4s59	4s23	4s54	5s35		n.a.

Julian Day Number = 1108076.5, Delta T = 10h55m27s
Ecliptic obliquity = 23°53'35, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'14, Lahiri = -27°07'13 Julian Calendar 1 Oct. 1680 BCE == Greg. Calendar 17 Sept. 1680 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

NOVEMBER 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 42 44	25♎ 8'35	20♋59	15♏36	27♎20	12♌ 7	4♒ 0	25°R44	7°R19	19♌33	16♐26	19°D 6	17♓46	16♓30	n.a.	T 1
W 2	1 46 40	26° 9'50	4♌46	16°39	28°36	12°39	4° 3	25♉40	7♓18	19°34	16°28	19♓ 6	17°43	16°37	n.a.	W 2
T 3	1 50 37	27°11'06	18°51	17°37	29°51	13°12	4° 7	25°36	7°16	19°35	16°29	19° 7	17°40	16°43	n.a.	T 3
F 4	1 54 33	28°12'23	3♍13	18°30	1♏ 7	13°44	4°12	25°32	7°15	19°36	16°30	19° 9	17°36	16°50	n.a.	F 4
S 5	1 58 30	29°13'40	17°50	19°17	2°22	14°16	4°16	25°28	7°14	19°37	16°32	19°R 9	17°33	16°56	n.a.	S 5
S 6	2 2 26	0♏14'58	2♎38	19°57	3°38	14°49	4°20	25°24	7°13	19°38	16°33	19° 9	17°30	17° 3	n.a.	S 6
M 7	2 6 23	1°16'17	17°31	20°29	4°54	15°21	4°25	25°19	7°11	19°39	16°35	19° 6	17°27	17°10	n.a.	M 7
T 8	2 10 19	2°17'36	2♏20	20°53	6° 9	15°52	4°30	25°15	7°10	19°40	16°36	19° 1	17°24	17°16	n.a.	T 8
W 9	2 14 16	3°18'56	16°57	21° 7	7°25	16°24	4°35	25°11	7° 9	19°41	16°37	18°54	17°20	17°23	n.a.	W 9
T 10	2 18 13	4°20'16	1♐16	21°R11	8°40	16°56	4°40	25° 6	7° 8	19°42	16°39	18°46	17°17	17°30	n.a.	T 10
F 11	2 22 9	5°21'36	15°11	21° 3	9°56	17°27	4°46	25° 2	7° 7	19°43	16°40	18°39	17°14	17°36	n.a.	F 11
S 12	2 26 6	6°22'56	28°39	20°45	11°11	17°59	4°52	24°57	7° 6	19°44	16°42	18°32	17°11	17°43	n.a.	S 12
S 13	2 30 2	7°24'16	11♑40	20°14	12°27	18°30	4°57	24°53	7° 5	19°45	16°43	18°26	17° 8	17°50	n.a.	S 13
M14	2 33 59	8°25'35	24°17	19°32	13°42	19° 1	5° 3	24°48	7° 5	19°46	16°45	18°23	17° 5	17°56	n.a.	M14
T 15	2 37 55	9°26'55	6♒34	18°38	14°58	19°32	5°10	24°43	7° 4	19°46	16°46	18°D22	17° 1	18° 3	n.a.	T 15
W16	2 41 52	10°28'14	18°36	17°35	16°13	20° 3	5°16	24°39	7° 3	19°47	16°48	18°22	16°58	18°10	n.a.	W16
T 17	2 45 49	11°29'33	0♓27	16°24	17°28	20°34	5°22	24°34	7° 2	19°48	16°50	18°23	16°55	18°16	n.a.	T 17
F 18	2 49 45	12°30'52	12°14	15° 7	18°44	21° 4	5°29	24°29	7° 2	19°48	16°51	18°24	16°52	18°23	n.a.	F 18
S 19	2 53 42	13°32'10	24° 1	13°46	19°59	21°35	5°36	24°24	7° 1	19°49	16°53	18°R24	16°49	18°29	n.a.	S 19
S 20	2 57 38	14°33'28	5♈54	12°25	21°15	22° 5	5°43	24°19	7° 1	19°49	16°54	18°22	16°46	18°36	n.a.	S 20
M21	3 1 35	15°34'46	17°55	11° 6	22°30	22°35	5°50	24°14	7° 0	19°50	16°56	18°18	16°42	18°43	n.a.	M21
T 22	3 5 31	16°36'03	0♉ 7	9°50	23°45	23° 5	5°57	24° 9	7° 0	19°50	16°58	18°11	16°39	18°49	n.a.	T 22
W23	3 9 28	17°37'20	12°32	8°42	25° 1	23°35	6° 5	24° 5	6°59	19°51	16°59	18° 2	16°36	18°56	n.a.	W23
T 24	3 13 24	18°38'37	25°12	7°41	26°16	24° 5	6°13	24° 0	6°59	19°51	17° 1	17°51	16°33	19° 3	n.a.	T 24
F 25	3 17 21	19°39'53	8♊ 5	6°49	27°31	24°34	6°20	23°55	6°59	19°52	17° 3	17°39	16°30	19° 9	n.a.	F 25
S 26	3 21 18	20°41'09	21°10	6° 7	28°47	25° 4	6°28	23°50	6°58	19°52	17° 5	17°28	16°26	19°16	n.a.	S 26
S 27	3 25 14	21°42'25	4♋28	5°36	0♐ 2	25°33	6°36	23°45	6°58	19°52	17° 6	17°18	16°23	19°23	n.a.	S 27
M28	3 29 11	22°43'41	17°56	5°14	1°17	26° 2	6°45	23°40	6°58	19°53	17° 8	17°11	16°20	19°29	n.a.	M28
T 29	3 33 7	23°44'57	1♌34	5° 2	2°32	26°31	6°53	23°35	6°58	19°53	17°10	17° 6	16°17	19°36	n.a.	T 29
W30	3 37 4	24♏46'12	15♌21	4°D59	3♐48	27♌ 0	7♒ 1	23♉30	6°D58	19♌53	17♐11	17♓ 4	16♓14	19♓43	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s55	26n35	4n25	18s56	2s13	10s24	0n20	19n15	1n51	21s 5	1s31	18n12	1s23	9s44	0s48	16n39	1n30	28s 8	4s59	4s24	4s55	5s32		n.a.
W 2	10 17	22 58	3 38	19 10	2 8	10 54	0 18	19 6	1 51	21 4	1 30	18 11	1 23	9 44	0 48	16 39	1 30	28 8	4 59	4 24	4 57	5 28		n.a.
T 3	10 40	17 57	2 38	19 22	2 3	11 23	0 16	18 58	1 52	21 3	1 30	18 11	1 23	9 45	0 48	16 39	1 30	28 8	4 59	4 23	4 58	5 25		n.a.
F 4	11 2	11 51	1 26	19 31	1 57	11 52	0 14	18 49	1 53	21 2	1 30	18 10	1 23	9 45	0 48	16 38	1 30	28 9	4 59	4 23	4 59	5 22		n.a.
S 5	11 24	5 0	0 7	19 37	1 49	12 21	0 11	18 40	1 54	21 0	1 30	18 9	1 23	9 46	0 48	16 38	1 30	28 9	4 58	4 22	5 0	5 18		n.a.
S 6	11 46	2s10	1s13	19 40	1 40	12 50	0 9	18 31	1 55	20 59	1 29	18 8	1 23	9 46	0 48	16 38	1 30	28 9	4 58	4 22	5 2	5 15		n.a.
M 7	12 8	9 16	2 28	19 39	1 30	13 18	0 6	18 23	1 56	20 58	1 29	18 7	1 23	9 46	0 48	16 37	1 30	28 9	4 58	4 24	5 3	5 11		n.a.
T 8	12 30	15 49	3 32	19 34	1 18	13 46	0 4	18 14	1 57	20 56	1 29	18 6	1 23	9 47	0 48	16 37	1 30	28 9	4 58	4 26	5 4	5 8		n.a.
W 9	12 51	21 24	4 22	19 25	1 5	14 13	0 2	18 5	1 57	20 55	1 29	18 4	1 23	9 47	0 48	16 37	1 30	28 9	4 58	4 28	5 6	5 4		n.a.
T 10	13 12	25 36	4 54	19 12	0 50	14 40	0s 1	17 56	1 58	20 53	1 28	18 3	1 23	9 47	0 48	16 37	1 30	28 9	4 58	4 31	5 7	5 1		n.a.
F 11	13 33	28 9	5 8	18 55	0 34	15 7	0 3	17 47	1 59	20 52	1 28	18 2	1 23	9 48	0 48	16 37	1 30	28 9	4 58	4 34	5 8	4 57		n.a.
S 12	13 54	28 57	5 4	18 33	0 17	15 33	0 5	17 38	2 0	20 50	1 28	18 1	1 23	9 48	0 48	16 36	1 31	28 10	4 58	4 37	5 9	4 54		n.a.
S 13	14 15	28 5	4 44	18 7	0n 2	15 59	0 8	17 29	2 1	20 48	1 28	18 0	1 23	9 48	0 48	16 36	1 31	28 10	4 58	4 39	5 11	4 51		n.a.
M14	14 35	25 46	4 10	17 36	0 21	16 25	0 10	17 20	2 2	20 46	1 27	17 59	1 23	9 49	0 48	16 36	1 31	28 10	4 58	4 41	5 12	4 47		n.a.
T 15	14 55	22 18	3 26	17 2	0 41	16 50	0 12	17 11	2 3	20 45	1 27	17 58	1 23	9 49	0 48	16 36	1 31	28 10	4 58	4 41	5 13	4 44		n.a.
W16	15 14	17 58	2 34	16 25	1 1	17 14	0 15	17 2	2 4	20 43	1 27	17 57	1 23	9 49	0 48	16 36	1 31	28 10	4 58	4 41	5 14	4 40		n.a.
T 17	15 34	13 0	1 35	15 45	1 22	17 38	0 17	16 52	2 5	20 41	1 27	17 56	1 23	9 49	0 48	16 35	1 31	28 10	4 58	4 41	5 16	4 37		n.a.
F 18	15 53	7 36	0 33	15 4	1 41	18 2	0 20	16 43	2 6	20 39	1 26	17 55	1 23	9 50	0 47	16 35	1 31	28 10	4 58	4 40	5 17	4 33		n.a.
S 19	16 12	1 57	0n30	14 23	1 59	18 25	0 22	16 34	2 6	20 37	1 26	17 54	1 23	9 50	0 47	16 35	1 31	28 11	4 58	4 40	5 18	4 30		n.a.
S 20	16 31	3n48	1 33	13 42	2 16	18 48	0 24	16 25	2 7	20 35	1 26	17 52	1 23	9 50	0 47	16 35	1 31	28 11	4 58	4 41	5 19	4 26		n.a.
M21	16 49	9 29	2 31	13 3	2 31	19 10	0 26	16 16	2 8	20 33	1 26	17 51	1 23	9 50	0 47	16 35	1 31	28 11	4 58	4 43	5 21	4 23		n.a.
T 22	17 7	14 54	3 24	12 28	2 43	19 32	0 29	16 7	2 9	20 31	1 26	17 50	1 23	9 50	0 47	16 35	1 31	28 11	4 58	4 45	5 22	4 19		n.a.
W23	17 25	19 49	4 8	11 56	2 53	19 53	0 31	15 57	2 10	20 29	1 25	17 49	1 22	9 50	0 47	16 35	1 31	28 11	4 58	4 49	5 23	4 16		n.a.
T 24	17 42	23 57	4 40	11 29	3 1	20 13	0 33	15 48	2 11	20 27	1 25	17 48	1 22	9 50	0 47	16 35	1 31	28 12	4 58	4 53	5 24	4 12		n.a.
F 25	17 59	26 59	4 59	11 7	3 7	20 33	0 35	15 39	2 12	20 25	1 25	17 47	1 22	9 51	0 47	16 35	1 31	28 12	4 58	4 58	5 26	4 9		n.a.
S 26	18 16	28 37	5 3	10 50	3 10	20 53	0 38	15 30	2 13	20 22	1 25	17 46	1 22	9 51	0 47	16 35	1 31	28 12	4 58	5 3	5 27	4 6		n.a.
S 27	18 32	28 39	4 50	10 38	3 12	21 11	0 40	15 21	2 14	20 20	1 24	17 44	1 22	9 51	0 47	16 34	1 31	28 12	4 58	5 6	5 28	4 2		n.a.
M28	18 48	26 59	4 21	10 30	3 12	21 29	0 42	15 11	2 15	20 18	1 24	17 43	1 22	9 51	0 47	16 34	1 32	28 12	4 58	5 9	5 29	3 59		n.a.
T 29	19 4	23 43	3 37	10 28	3 10	21 47	0 44	15 2	2 16	20 15	1 24	17 42	1 22	9 51	0 47	16 34	1 32	28 12	4 58	5 11	5 31	3 55		n.a.
W30	19s19	19n 5	2n40	10s30	3n 7	22s 4	0s46	14n53	2n17	20s13	1s24	17n41	1s22	9s51	0s47	16n34	1n32	28s13	4s58	5s12	5s32	3s52		n.a.

Julian Day Number = 1108107.5, Delta T = 10h55m25s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'09, Lahiri = -27°07'09 Julian Calendar 1 Nov. 1680 BCE == Greg. Calendar 18 Oct. 1680 BCE

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ASTRODIENST EPHEMERIS for the year 1680 BCE
geocentric

DECEMBER 1680 BCE (-1679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 41 0	25♏47'26	29♌18	5♏ 5	5♐ 3	27♌28	7♒10	23°R25	6♓58	19♌53	17♐13	17°D 4	16♓11	19♓49	n.a.	T 1
F 2	3 44 57	26°48'41	13♍25	5°18	6°18	27°57	7°19	23♉20	6°58	19°53	17°15	17°R 4	16° 7	19°56	n.a.	F 2
S 3	3 48 54	27°49'55	27°40	5°39	7°33	28°25	7°28	23°15	6°58	19°54	17°17	17♓ 4	16° 4	20° 3	n.a.	S 3
S 4	3 52 50	28°51'09	12♎ 2	6° 6	8°49	28°53	7°37	23°10	6°58	19°54	17°19	17° 2	16° 1	20° 9	n.a.	S 4
M 5	3 56 47	29°52'22	26°28	6°40	10° 4	29°21	7°46	23° 5	6°59	19°54	17°20	16°57	15°58	20°16	n.a.	M 5
T 6	4 0 43	0♐53'35	10♏52	7°19	11°19	29°48	7°55	23° 0	6°59	19°R54	17°22	16°49	15°55	20°22	n.a.	T 6
W 7	4 4 40	1°54'47	25°10	8° 2	12°34	0♍16	8° 5	22°55	6°59	19°54	17°24	16°38	15°51	20°29	n.a.	W 7
T 8	4 8 36	2°55'58	9♐14	8°50	13°49	0°43	8°14	22°50	7° 0	19°54	17°26	16°26	15°48	20°36	n.a.	T 8
F 9	4 12 33	3°57'08	23° 1	9°43	15° 5	1°10	8°24	22°45	7° 0	19°54	17°28	16°13	15°45	20°42	n.a.	F 9
S 10	4 16 30	4°58'18	6♑25	10°38	16°20	1°37	8°34	22°41	7° 1	19°53	17°30	16° 1	15°42	20°49	n.a.	S 10
S 11	4 20 26	5°59'26	19°26	11°37	17°35	2° 3	8°44	22°36	7° 1	19°53	17°31	15°51	15°39	20°56	n.a.	S 11
M12	4 24 23	7° 0'33	2♒ 5	12°39	18°50	2°29	8°54	22°31	7° 2	19°53	17°33	15°44	15°36	21° 2	n.a.	M12
T 13	4 28 19	8° 1'39	14°24	13°43	20° 5	2°55	9° 4	22°26	7° 2	19°53	17°35	15°40	15°32	21° 9	n.a.	T 13
W14	4 32 16	9° 2'43	26°28	14°50	21°20	3°21	9°15	22°22	7° 3	19°53	17°37	15°38	15°29	21°16	n.a.	W14
T 15	4 36 12	10° 3'46	8♓20	15°59	22°35	3°47	9°25	22°17	7° 4	19°52	17°39	15°37	15°26	21°22	n.a.	T 15
F 16	4 40 9	11° 4'47	20° 8	17°10	23°50	4°12	9°36	22°13	7° 5	19°52	17°41	15°37	15°23	21°29	n.a.	F 16
S 17	4 44 5	12° 5'48	1♈56	18°22	25° 5	4°37	9°46	22° 8	7° 5	19°52	17°43	15°36	15°20	21°36	n.a.	S 17
S 18	4 48 2	13° 6'46	13°50	19°37	26°20	5° 2	9°57	22° 4	7° 6	19°51	17°44	15°34	15°17	21°42	n.a.	S 18
M19	4 51 59	14° 7'43	25°55	20°53	27°35	5°26	10° 8	21°59	7° 7	19°51	17°46	15°29	15°13	21°49	n.a.	M19
T 20	4 55 55	15° 8'39	8♉15	22°10	28°50	5°51	10°19	21°55	7° 8	19°50	17°48	15°21	15°10	21°56	n.a.	T 20
W21	4 59 52	16° 9'33	20°52	23°29	0♊ 5	6°15	10°30	21°50	7° 9	19°50	17°50	15°10	15° 7	22° 2	n.a.	W21
T 22	5 3 48	17°10'26	3♊48	24°49	1°20	6°38	10°41	21°46	7°11	19°49	17°52	14°58	15° 4	22° 9	n.a.	T 22
F 23	5 7 45	18°11'17	17° 1	26°10	2°35	7° 2	10°52	21°42	7°12	19°49	17°54	14°44	15° 1	22°15	n.a.	F 23
S 24	5 11 41	19°12'07	0♋32	27°33	3°50	7°25	11° 4	21°38	7°13	19°48	17°56	14°31	14°57	22°22	n.a.	S 24
S 25	5 15 38	20°12'56	14°15	28°56	5° 5	7°48	11°15	21°34	7°14	19°48	17°58	14°20	14°54	22°29	n.a.	S 25
M26	5 19 35	21°13'43	28° 8	0♐21	6°19	8°10	11°27	21°30	7°15	19°47	17°59	14°11	14°51	22°35	n.a.	M26
T 27	5 23 31	22°14'29	12♌ 8	1°46	7°34	8°32	11°39	21°26	7°17	19°46	18° 1	14° 5	14°48	22°42	n.a.	T 27
W28	5 27 28	23°15'14	26°11	3°13	8°49	8°54	11°50	21°22	7°18	19°45	18° 3	14° 2	14°45	22°49	n.a.	W28
T 29	5 31 24	24°15'57	10♍15	4°40	10° 4	9°16	12° 2	21°18	7°20	19°45	18° 5	14°D 1	14°42	22°55	n.a.	T 29
F 30	5 35 21	25°16'39	24°20	6° 9	11°19	9°37	12°14	21°15	7°21	19°44	18° 7	14°R 1	14°38	23° 2	n.a.	F 30
S 31	5 39 17	26♐17'20	8♎25	7♐38	12♑33	9♍58	12♒26	21♉11	7♓23	19♌43	18♐ 9	14♓ 1	14♓35	23♓ 9	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	19s34	13n23	1n33	10s36	3n 3	22s20	0s48	14n44	2n18	20s11	1s24	17n40	1s22	9s51	0s47	16n34	1n32	28s13	4s58	5s12	5s33	3s48			n.a.
F 2	19 49	6 56	0 19	10 45	2 58	22 36	0 50	14 35	2 19	20 8	1 23	17 39	1 22	9 50	0 47	16 34	1 32	28 13	4 58	5 12	5 34	3 45			n.a.
S 3	20 3	0 5	0s56	10 58	2 52	22 51	0 52	14 26	2 20	20 5	1 23	17 37	1 21	9 50	0 47	16 34	1 32	28 13	4 58	5 12	5 36	3 41			n.a.
S 4	20 17	6s48	2 8	11 13	2 45	23 5	0 54	14 17	2 21	20 3	1 23	17 36	1 21	9 50	0 47	16 34	1 32	28 13	4 59	5 13	5 37	3 38			n.a.
M 5	20 30	13 23	3 13	11 31	2 38	23 18	0 56	14 8	2 22	20 0	1 23	17 35	1 21	9 50	0 47	16 35	1 32	28 14	4 59	5 15	5 38	3 34			n.a.
T 6	20 43	19 14	4 4	11 51	2 30	23 31	0 58	13 59	2 23	19 58	1 23	17 34	1 21	9 50	0 47	16 35	1 32	28 14	4 59	5 18	5 39	3 31			n.a.
W 7	20 56	23 57	4 40	12 13	2 22	23 43	1 0	13 50	2 24	19 55	1 22	17 33	1 21	9 50	0 47	16 35	1 32	28 14	4 59	5 22	5 41	3 27			n.a.
T 8	21 8	27 10	4 59	12 36	2 14	23 55	1 2	13 41	2 25	19 52	1 22	17 32	1 21	9 50	0 47	16 35	1 32	28 14	4 59	5 27	5 42	3 24			n.a.
F 9	21 20	28 41	4 59	13 1	2 6	24 5	1 3	13 32	2 26	19 49	1 22	17 31	1 21	9 49	0 47	16 35	1 32	28 15	4 59	5 32	5 43	3 21			n.a.
S 10	21 32	28 26	4 42	13 26	1 57	24 15	1 5	13 23	2 27	19 47	1 22	17 30	1 21	9 49	0 47	16 35	1 32	28 15	4 59	5 37	5 45	3 17			n.a.
S 11	21 43	26 36	4 11	13 53	1 49	24 25	1 7	13 15	2 28	19 44	1 22	17 28	1 20	9 49	0 46	16 35	1 32	28 15	4 59	5 41	5 46	3 14			n.a.
M12	21 53	23 27	3 29	14 21	1 40	24 33	1 8	13 6	2 30	19 41	1 21	17 27	1 20	9 49	0 46	16 35	1 32	28 15	4 59	5 44	5 47	3 10			n.a.
T 13	22 4	19 19	2 37	14 49	1 31	24 41	1 10	12 58	2 31	19 38	1 21	17 26	1 20	9 48	0 46	16 35	1 32	28 15	4 59	5 45	5 48	3 7			n.a.
W14	22 13	14 29	1 40	15 17	1 22	24 48	1 12	12 49	2 32	19 35	1 21	17 25	1 20	9 48	0 46	16 35	1 32	28 16	4 59	5 46	5 50	3 3			n.a.
T 15	22 23	9 12	0 39	15 46	1 13	24 54	1 13	12 41	2 33	19 32	1 21	17 24	1 20	9 48	0 46	16 36	1 33	28 16	4 59	5 46	5 51	3 0			n.a.
F 16	22 32	3 37	0n24	16 15	1 5	24 59	1 14	12 32	2 34	19 29	1 21	17 23	1 20	9 47	0 46	16 36	1 33	28 16	4 59	5 46	5 52	2 56			n.a.
S 17	22 40	2n 5	1 25	16 44	0 56	25 4	1 16	12 24	2 35	19 26	1 21	17 22	1 20	9 47	0 46	16 36	1 33	28 16	4 59	5 47	5 53	2 53			n.a.
S 18	22 48	7 45	2 23	17 13	0 47	25 8	1 17	12 16	2 36	19 23	1 20	17 21	1 19	9 47	0 46	16 36	1 33	28 17	4 59	5 48	5 55	2 49			n.a.
M19	22 56	13 14	3 16	17 42	0 39	25 11	1 18	12 7	2 37	19 20	1 20	17 20	1 19	9 46	0 46	16 36	1 33	28 17	4 59	5 50	5 56	2 46			n.a.
T 20	23 3	18 18	4 0	18 10	0 30	25 13	1 20	11 59	2 38	19 16	1 20	17 19	1 19	9 46	0 46	16 36	1 33	28 17	4 59	5 53	5 57	2 42			n.a.
W21	23 9	22 42	4 34	18 38	0 22	25 14	1 21	11 51	2 40	19 13	1 20	17 18	1 19	9 45	0 46	16 37	1 33	28 17	4 59	5 57	5 58	2 39			n.a.
T 22	23 16	26 7	4 54	19 6	0 14	25 15	1 22	11 43	2 41	19 10	1 20	17 17	1 19	9 45	0 46	16 37	1 33	28 18	4 59	6 2	6 0	2 35			n.a.
F 23	23 21	28 13	5 0	19 34	0 6	25 15	1 23	11 35	2 42	19 7	1 20	17 16	1 19	9 44	0 46	16 37	1 33	28 18	5 0	6 7	6 1	2 32			n.a.
S 24	23 27	28 42	4 49	20 1	0s 2	25 14	1 24	11 28	2 43	19 3	1 19	17 15	1 18	9 44	0 46	16 37	1 33	28 18	5 0	6 12	6 2	2 28			n.a.
S 25	23 31	27 26	4 21	20 27	0 10	25 12	1 25	11 20	2 44	19 0	1 19	17 14	1 18	9 43	0 46	16 38	1 33	28 18	5 0	6 17	6 3	2 25			n.a.
M26	23 36	24 28	3 37	20 53	0 17	25 10	1 26	11 13	2 45	18 56	1 19	17 14	1 18	9 43	0 46	16 38	1 33	28 19	5 0	6 20	6 5	2 21			n.a.
T 27	23 40	20 2	2 40	21 18	0 25	25 7	1 27	11 5	2 47	18 53	1 19	17 13	1 18	9 42	0 46	16 38	1 33	28 19	5 0	6 23	6 6	2 18			n.a.
W28	23 43	14 29	1 33	21 43	0 32	25 3	1 27	10 58	2 48	18 49	1 19	17 12	1 18	9 42	0 46	16 38	1 33	28 19	5 0	6 24	6 7	2 15			n.a.
T 29	23 46	8 10	0 20	22 6	0 39	24 58	1 28	10 51	2 49	18 46	1 19	17 11	1 17	9 41	0 46	16 39	1 33	28 20	5 0	6 24	6 8	2 11			n.a.
F 30	23 48	1 28	0s54	22 29	0 45	24 52	1 29	10 44	2 50	18 42	1 19	17 10	1 17	9 41	0 46	16 39	1 33	28 20	5 0	6 24	6 10	2 8			n.a.
S 31	23s50	5s19	2s 5	22s51	0s52	24s46	1s29	10n37	2n51	18s39	1s19	17n 9	1s17	9s40	0s46	16n39	1n33	28s20	5s 0	6s24	6s11	2s 4			n.a.

Julian Day Number = 1108137.5, Delta T = 10h55m23s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'05, Lahiri = -27°07'05 Julian Calendar 1 Dec. 1680 BCE == Greg. Calendar 17 Nov. 1680 BCE

The year -1679 astronomical counting style corresponds to year 1680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

JANUARY 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 43 14	27♐17'59	22♎29	9♐ 8	13♑48	10♍18	12♒38	21°R 7	7♓24	19°R42	18♐11	13°R58	14♓32	23♓15	n.a.	S 1
M 2	5 47 10	28°18'37	6♏30	10°39	15° 3	10°39	12°50	21♉ 4	7°26	19♌41	18°13	13♓54	14°29	23°22	n.a.	M 2
T 3	5 51 7	29°19'13	20°27	12°11	16°17	10°58	13° 3	21° 1	7°28	19°41	18°14	13°46	14°26	23°29	n.a.	T 3
W 4	5 55 4	0♑19'49	4♐17	13°44	17°32	11°18	13°15	20°57	7°29	19°40	18°16	13°36	14°23	23°35	n.a.	W 4
T 5	5 59 0	1°20'22	17°56	15°18	18°47	11°37	13°27	20°54	7°31	19°39	18°18	13°24	14°19	23°42	n.a.	T 5
F 6	6 2 57	2°20'54	1♑22	16°53	20° 1	11°55	13°40	20°51	7°33	19°38	18°20	13°12	14°16	23°49	n.a.	F 6
S 7	6 6 53	3°21'24	14°31	18°28	21°16	12°14	13°52	20°48	7°35	19°37	18°22	13° 0	14°13	23°55	n.a.	S 7
S 8	6 10 50	4°21'52	27°21	20° 5	22°30	12°31	14° 5	20°45	7°37	19°36	18°24	12°50	14°10	24° 2	n.a.	S 8
M 9	6 14 46	5°22'18	9♒54	21°42	23°45	12°49	14°18	20°42	7°39	19°35	18°25	12°43	14° 7	24° 8	n.a.	M 9
T 10	6 18 43	6°22'42	22°10	23°21	24°59	13° 5	14°30	20°40	7°41	19°34	18°27	12°38	14° 4	24°15	n.a.	T 10
W11	6 22 39	7°23'04	4♓13	25° 0	26°14	13°22	14°43	20°37	7°43	19°33	18°29	12°36	14° 0	24°22	n.a.	W11
T 12	6 26 36	8°23'24	16° 6	26°40	27°28	13°38	14°56	20°34	7°45	19°31	18°31	12°D35	13°57	24°28	n.a.	T 12
F 13	6 30 33	9°23'42	27°54	28°22	28°43	13°53	15° 9	20°32	7°47	19°30	18°33	12°36	13°54	24°35	n.a.	F 13
S 14	6 34 29	10°23'57	9♈43	0♑ 4	29°57	14° 8	15°22	20°30	7°49	19°29	18°34	12°R36	13°51	24°42	n.a.	S 14
S 15	6 38 26	11°24'10	21°37	1°47	1♒11	14°23	15°35	20°28	7°51	19°28	18°36	12°36	13°48	24°48	n.a.	S 15
M16	6 42 22	12°24'21	3♉43	3°31	2°26	14°37	15°48	20°25	7°53	19°27	18°38	12°33	13°44	24°55	n.a.	M16
T 17	6 46 19	13°24'30	16° 5	5°17	3°40	14°51	16° 2	20°23	7°56	19°25	18°40	12°29	13°41	25° 2	n.a.	T 17
W18	6 50 15	14°24'37	28°47	7° 3	4°54	15° 4	16°15	20°21	7°58	19°24	18°41	12°22	13°38	25° 8	n.a.	W18
T 19	6 54 12	15°24'41	11♊51	8°50	6° 9	15°16	16°28	20°20	8° 0	19°23	18°43	12°13	13°35	25°15	n.a.	T 19
F 20	6 58 8	16°24'43	25°18	10°39	7°23	15°28	16°41	20°18	8° 3	19°22	18°45	12° 3	13°32	25°22	n.a.	F 20
S 21	7 2 5	17°24'43	9♋ 7	12°28	8°37	15°40	16°55	20°16	8° 5	19°20	18°47	11°54	13°29	25°28	n.a.	S 21
S 22	7 6 2	18°24'41	23°13	14°19	9°51	15°51	17° 8	20°15	8° 8	19°19	18°48	11°45	13°25	25°35	n.a.	S 22
M23	7 9 58	19°24'37	7♌33	16°11	11° 5	16° 1	17°22	20°14	8°10	19°18	18°50	11°39	13°22	25°42	n.a.	M23
T 24	7 13 55	20°24'31	22° 0	18° 3	12°19	16°11	17°35	20°12	8°13	19°16	18°52	11°35	13°19	25°48	n.a.	T 24
W25	7 17 51	21°24'23	6♍28	19°57	13°33	16°20	17°49	20°11	8°15	19°15	18°53	11°D33	13°16	25°55	n.a.	W25
T 26	7 21 48	22°24'13	20°53	21°51	14°47	16°28	18° 3	20°10	8°18	19°13	18°55	11°33	13°13	26° 2	n.a.	T 26
F 27	7 25 44	23°24'01	5♎12	23°47	16° 1	16°36	18°16	20° 9	8°20	19°12	18°56	11°35	13° 9	26° 8	n.a.	F 27
S 28	7 29 41	24°23'47	19°22	25°44	17°15	16°44	18°30	20° 8	8°23	19°11	18°58	11°R35	13° 6	26°15	n.a.	S 28
S 29	7 33 37	25°23'31	3♏21	27°41	18°29	16°50	18°44	20° 8	8°26	19° 9	19° 0	11°35	13° 3	26°21	n.a.	S 29
M30	7 37 34	26°23'14	17°10	29°39	19°43	16°56	18°58	20° 7	8°29	19° 8	19° 1	11°33	13° 0	26°28	n.a.	M30
T 31	7 41 31	27♑22'54	0♐47	1♒37	20♒57	17♍ 2	19♒11	20♉ 7	8♓31	19♌ 6	19♐ 3	11♓29	12♓57	26♓35	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s52	11s49	3s 9	23s12	0s58	24s39	1s30	10n30	2n53	18s35	1s18	17n 9	1s17	9s39	0s46	16n40	1n34	28s20	5s 0	6s25	6s12	2s 1			n.a.
M 2	23 53	17 43	4 0	23 32	1 4	24 31	1 30	10 23	2 54	18 32	1 18	17 8	1 17	9 39	0 46	16 40	1 34	28 21	5 0	6 27	6 13	1 57			n.a.
T 3	23 53	22 38	4 37	23 50	1 10	24 23	1 31	10 17	2 55	18 28	1 18	17 7	1 17	9 38	0 46	16 40	1 34	28 21	5 0	6 30	6 14	1 54			n.a.
W 4	23 54	26 16	4 57	24 8	1 16	24 13	1 31	10 10	2 56	18 24	1 18	17 7	1 16	9 37	0 46	16 41	1 34	28 21	5 1	6 34	6 16	1 50			n.a.
T 5	23 53	28 19	5 0	24 24	1 21	24 3	1 31	10 4	2 57	18 20	1 18	17 6	1 16	9 37	0 45	16 41	1 34	28 21	5 1	6 39	6 17	1 47			n.a.
F 6	23 52	28 40	4 47	24 39	1 26	23 52	1 31	9 58	2 59	18 17	1 18	17 5	1 16	9 36	0 45	16 41	1 34	28 22	5 1	6 44	6 18	1 43			n.a.
S 7	23 51	27 21	4 18	24 53	1 31	23 41	1 31	9 52	3 0	18 13	1 18	17 5	1 16	9 35	0 45	16 42	1 34	28 22	5 1	6 48	6 19	1 40			n.a.
S 8	23 49	24 37	3 36	25 6	1 35	23 28	1 31	9 46	3 1	18 9	1 18	17 4	1 16	9 34	0 45	16 42	1 34	28 22	5 1	6 52	6 21	1 36			n.a.
M 9	23 47	20 44	2 45	25 17	1 39	23 16	1 31	9 40	3 2	18 5	1 17	17 3	1 15	9 34	0 45	16 42	1 34	28 23	5 1	6 55	6 22	1 33			n.a.
T 10	23 44	16 3	1 47	25 26	1 43	23 2	1 31	9 35	3 4	18 1	1 17	17 3	1 15	9 33	0 45	16 43	1 34	28 23	5 1	6 57	6 23	1 29			n.a.
W11	23 41	10 50	0 45	25 34	1 46	22 48	1 31	9 30	3 5	17 57	1 17	17 2	1 15	9 32	0 45	16 43	1 34	28 23	5 1	6 58	6 24	1 26			n.a.
T 12	23 37	5 18	0n19	25 40	1 49	22 33	1 31	9 24	3 6	17 53	1 17	17 2	1 15	9 31	0 45	16 44	1 34	28 23	5 1	6 58	6 26	1 22			n.a.
F 13	23 33	0n23	1 21	25 45	1 52	22 17	1 31	9 19	3 7	17 49	1 17	17 2	1 14	9 30	0 45	16 44	1 34	28 24	5 2	6 57	6 27	1 19			n.a.
S 14	23 29	6 3	2 20	25 48	1 55	22 1	1 30	9 15	3 9	17 45	1 17	17 1	1 14	9 30	0 45	16 45	1 34	28 24	5 2	6 57	6 28	1 15			n.a.
S 15	23 24	11 33	3 13	25 49	1 57	21 44	1 30	9 10	3 10	17 41	1 17	17 1	1 14	9 29	0 45	16 45	1 34	28 24	5 2	6 57	6 29	1 12			n.a.
M16	23 18	16 43	3 58	25 49	1 58	21 26	1 29	9 6	3 11	17 37	1 17	17 0	1 14	9 28	0 45	16 45	1 34	28 25	5 2	6 58	6 31	1 8			n.a.
T 17	23 12	21 19	4 34	25 46	1 59	21 8	1 29	9 2	3 12	17 33	1 17	17 0	1 14	9 27	0 45	16 46	1 34	28 25	5 2	7 0	6 32	1 5			n.a.
W18	23 6	25 5	4 57	25 42	2 0	20 49	1 28	8 58	3 14	17 29	1 16	17 0	1 13	9 26	0 45	16 46	1 34	28 25	5 2	7 3	6 33	1 2			n.a.
T 19	22 59	27 40	5 5	25 36	2 0	20 30	1 27	8 54	3 15	17 25	1 16	16 59	1 13	9 25	0 45	16 47	1 34	28 25	5 2	7 6	6 34	0 58			n.a.
F 20	22 52	28 45	4 57	25 27	2 0	20 10	1 26	8 50	3 16	17 20	1 16	16 59	1 13	9 24	0 45	16 47	1 34	28 26	5 3	7 10	6 36	0 55			n.a.
S 21	22 44	28 6	4 32	25 17	2 0	19 49	1 26	8 47	3 17	17 16	1 16	16 59	1 13	9 23	0 45	16 48	1 34	28 26	5 3	7 14	6 37	0 51			n.a.
S 22	22 36	25 37	3 50	25 4	1 58	19 28	1 25	8 44	3 19	17 12	1 16	16 59	1 13	9 22	0 45	16 48	1 34	28 26	5 3	7 17	6 38	0 48			n.a.
M23	22 27	21 30	2 52	24 49	1 57	19 7	1 24	8 41	3 20	17 8	1 16	16 59	1 12	9 21	0 45	16 49	1 35	28 27	5 3	7 20	6 39	0 44			n.a.
T 24	22 19	16 4	1 43	24 32	1 55	18 45	1 23	8 38	3 21	17 3	1 16	16 58	1 12	9 20	0 45	16 49	1 35	28 27	5 3	7 21	6 41	0 41			n.a.
W25	22 9	9 44	0 27	24 13	1 52	18 22	1 21	8 35	3 22	16 59	1 16	16 58	1 12	9 19	0 45	16 50	1 35	28 27	5 3	7 22	6 42	0 37			n.a.
T 26	21 59	2 55	0s50	23 52	1 49	17 59	1 20	8 33	3 24	16 55	1 16	16 58	1 12	9 18	0 45	16 50	1 35	28 27	5 3	7 22	6 43	0 34			n.a.
F 27	21 49	4s 0	2 4	23 28	1 45	17 35	1 19	8 31	3 25	16 50	1 16	16 58	1 11	9 17	0 45	16 50	1 35	28 28	5 4	7 21	6 44	0 30			n.a.
S 28	21 39	10 38	3 10	23 2	1 40	17 11	1 18	8 29	3 26	16 46	1 16	16 58	1 11	9 16	0 45	16 51	1 35	28 28	5 4	7 21	6 46	0 27			n.a.
S 29	21 28	16 40	4 3	22 34	1 35	16 47	1 16	8 28	3 27	16 41	1 16	16 58	1 11	9 15	0 45	16 51	1 35	28 28	5 4	7 21	6 47	0 23			n.a.
M30	21 16	21 46	4 41	22 4	1 29	16 22	1 15	8 26	3 28	16 37	1 16	16 58	1 11	9 14	0 45	16 52	1 35	28 29	5 4	7 22	6 48	0 20			n.a.
T 31	21s 5	25s38	5s 3	21s31	1s23	15s56	1s13	8n25	3n29	16s33	1s16	16n58	1s11	9s13	0s45	16n52	1n35	28s29	5s 4	7s23	6s49	0s16			n.a.

Julian Day Number = 1108168.5, Delta T = 10h55m21s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°14'01, Lahiri = -27°07'01 Julian Calendar 1 Jan. 1679 BCE == Greg. Calendar 18 Dec. 1680 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

FEBRUARY 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 45 27	28♉22'33	14♐13	3♒36	22♒10	17♍ 6	19♒25	20°R 6	8♓34	19°R 5	19♐ 4	11°R24	12♓54	26♓41	n.a.	W 1
T 2	7 49 24	29°22'10	27°26	5°36	23°24	17°10	19°39	20♉ 6	8°37	19♎ 3	19° 6	11♓17	12°50	26°48	n.a.	T 2
F 3	7 53 20	0♒21'45	10♉27	7°35	24°38	17°14	19°53	20° 6	8°40	19° 2	19° 7	11° 9	12°47	26°55	n.a.	F 3
S 4	7 57 17	1°21'18	23°14	9°34	25°51	17°16	20° 7	20°D 6	8°43	19° 0	19° 9	11° 2	12°44	27° 1	n.a.	S 4
S 5	8 1 13	2°20'48	5♒48	11°33	27° 5	17°18	20°21	20° 6	8°45	18°58	19°10	10°56	12°41	27° 8	n.a.	S 5
M 6	8 5 10	3°20'16	18° 8	13°31	28°19	17°19	20°35	20° 6	8°48	18°57	19°12	10°52	12°38	27°15	n.a.	M 6
T 7	8 9 6	4°19'42	0♓16	15°28	29°32	17°R20	20°49	20° 6	8°51	18°55	19°13	10°50	12°35	27°21	n.a.	T 7
W 8	8 13 3	5°19'06	12°14	17°23	0♓46	17°19	21° 3	20° 7	8°54	18°54	19°15	10°D49	12°31	27°28	n.a.	W 8
T 9	8 16 59	6°18'27	24° 6	19°17	1°59	17°18	21°17	20° 7	8°57	18°52	19°16	10°50	12°28	27°35	n.a.	T 9
F 10	8 20 56	7°17'46	5♈53	21° 8	3°12	17°16	21°32	20° 8	9° 0	18°51	19°17	10°51	12°25	27°41	n.a.	F 10
S 11	8 24 53	8°17'02	17°42	22°57	4°26	17°14	21°46	20° 9	9° 3	18°49	19°19	10°53	12°22	27°48	n.a.	S 11
S 12	8 28 49	9°16'16	29°36	24°42	5°39	17°10	22° 0	20° 9	9° 6	18°47	19°20	10°55	12°19	27°55	n.a.	S 12
M13	8 32 46	10°15'28	11♉41	26°24	6°52	17° 6	22°14	20°10	9°10	18°46	19°21	10°R55	12°15	28° 1	n.a.	M13
T 14	8 36 42	11°14'37	24° 1	28° 2	8° 6	17° 1	22°28	20°11	9°13	18°44	19°23	10°54	12°12	28° 8	n.a.	T 14
W15	8 40 39	12°13'44	6♊41	29°35	9°19	16°56	22°42	20°13	9°16	18°42	19°24	10°52	12° 9	28°15	n.a.	W15
T 16	8 44 35	13°12'48	19°45	1♓ 4	10°32	16°49	22°57	20°14	9°19	18°41	19°25	10°49	12° 6	28°21	n.a.	T 16
F 17	8 48 32	14°11'50	3♋15	2°28	11°45	16°42	23°11	20°15	9°22	18°39	19°26	10°45	12° 3	28°28	n.a.	F 17
S 18	8 52 28	15°10'49	17°10	3°46	12°58	16°34	23°25	20°17	9°25	18°38	19°28	10°41	12° 0	28°35	n.a.	S 18
S 19	8 56 25	16° 9'46	1♌29	4°59	14°11	16°26	23°40	20°18	9°29	18°36	19°29	10°38	11°56	28°41	n.a.	S 19
M20	9 0 22	17° 8'41	16° 6	6° 6	15°24	16°16	23°54	20°20	9°32	18°34	19°30	10°35	11°53	28°48	n.a.	M20
T 21	9 4 18	18° 7'33	0♍55	7° 6	16°36	16° 6	24° 8	20°22	9°35	18°33	19°31	10°34	11°50	28°54	n.a.	T 21
W22	9 8 15	19° 6'24	15°49	8° 0	17°49	15°55	24°22	20°24	9°38	18°31	19°32	10°D34	11°47	29° 1	n.a.	W22
T 23	9 12 11	20° 5'12	0♎40	8°48	19° 2	15°43	24°37	20°26	9°42	18°29	19°33	10°35	11°44	29° 8	n.a.	T 23
F 24	9 16 8	21° 3'58	15°20	9°29	20°15	15°31	24°51	20°28	9°45	18°28	19°34	10°36	11°41	29°14	n.a.	F 24
S 25	9 20 4	22° 2'43	29°46	10° 4	21°27	15°18	25° 5	20°30	9°48	18°26	19°35	10°37	11°37	29°21	n.a.	S 25
S 26	9 24 1	23° 1'26	13♏54	10°32	22°40	15° 4	25°20	20°33	9°51	18°24	19°36	10°38	11°34	29°28	n.a.	S 26
M27	9 27 57	24° 0'07	27°43	10°53	23°52	14°49	25°34	20°35	9°55	18°23	19°37	10°R38	11°31	29°34	n.a.	M27
T 28	9 31 54	24♒58'46	11♐13	11♓ 7	25♓ 5	14♍34	25♒48	20♉38	9♓58	18♌21	19♐38	10♓37	11♓28	29♓41	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20s53	28s 2	5s 8	20s57	1s16	15s31	1s12	8n24	3n31	16s28	1s15	16n59	1s10	9s12	0s45	16n53	1n35	28s29	5s 4	7s26	6s51	0s13		n.a.
T 2	20 40	28 49	4 57	20 20	1 9	15 4	1 10	8 24	3 32	16 24	1 15	16 59	1 10	9 11	0 45	16 54	1 35	28 30	5 5	7 28	6 52	0 9		n.a.
F 3	20 27	27 57	4 30	19 42	1 0	14 38	1 8	8 23	3 33	16 19	1 15	16 59	1 10	9 10	0 45	16 54	1 35	28 30	5 5	7 31	6 53	0 6		n.a.
S 4	20 14	25 37	3 50	19 1	0 51	14 11	1 7	8 23	3 34	16 14	1 15	16 59	1 10	9 9	0 45	16 55	1 35	28 30	5 5	7 34	6 54	0 2		n.a.
S 5	20 1	22 4	2 59	18 19	0 42	13 43	1 5	8 24	3 35	16 10	1 15	16 59	1 9	9 7	0 44	16 55	1 35	28 30	5 5	7 36	6 55	0n 1		n.a.
M 6	19 47	17 35	2 0	17 35	0 32	13 16	1 3	8 24	3 36	16 5	1 15	17 0	1 9	9 6	0 44	16 56	1 35	28 31	5 5	7 38	6 57	0 4		n.a.
T 7	19 32	12 29	0 57	16 51	0 21	12 48	1 1	8 25	3 37	16 1	1 15	17 0	1 9	9 5	0 44	16 56	1 35	28 31	5 5	7 39	6 58	0 8		n.a.
W 8	19 18	6 59	0n 8	16 5	0 10	12 19	0 59	8 26	3 38	15 56	1 15	17 0	1 9	9 4	0 44	16 57	1 35	28 31	5 6	7 39	6 59	0 11		n.a.
T 9	19 3	1 17	1 12	15 18	0n 1	11 51	0 57	8 27	3 39	15 51	1 15	17 1	1 9	9 3	0 44	16 57	1 35	28 32	5 6	7 39	7 0	0 15		n.a.
F 10	18 48	4n24	2 13	14 31	0 13	11 22	0 55	8 29	3 40	15 47	1 15	17 1	1 8	9 2	0 44	16 58	1 35	28 32	5 6	7 38	7 2	0 18		n.a.
S 11	18 32	9 58	3 8	13 43	0 26	10 53	0 52	8 31	3 41	15 42	1 15	17 1	1 8	9 0	0 44	16 58	1 35	28 32	5 6	7 37	7 3	0 22		n.a.
S 12	18 16	15 12	3 56	12 56	0 38	10 23	0 50	8 33	3 41	15 37	1 15	17 2	1 8	8 59	0 44	16 59	1 35	28 32	5 6	7 37	7 4	0 25		n.a.
M13	18 0	19 57	4 34	12 9	0 51	9 54	0 48	8 35	3 42	15 32	1 15	17 2	1 8	8 58	0 44	16 59	1 35	28 33	5 6	7 37	7 5	0 29		n.a.
T 14	17 44	23 58	5 0	11 23	1 4	9 24	0 46	8 38	3 43	15 28	1 15	17 3	1 7	8 57	0 44	17 0	1 35	28 33	5 7	7 37	7 7	0 32		n.a.
W15	17 27	26 58	5 13	10 38	1 17	8 53	0 43	8 40	3 44	15 23	1 15	17 3	1 7	8 56	0 44	17 0	1 35	28 33	5 7	7 38	7 8	0 36		n.a.
T 16	17 10	28 38	5 10	9 54	1 30	8 23	0 41	8 44	3 44	15 18	1 15	17 4	1 7	8 54	0 44	17 1	1 35	28 34	5 7	7 39	7 9	0 39		n.a.
F 17	16 53	28 41	4 50	9 12	1 43	7 53	0 38	8 47	3 45	15 13	1 15	17 4	1 7	8 53	0 44	17 1	1 35	28 34	5 7	7 40	7 10	0 43		n.a.
S 18	16 35	26 57	4 13	8 32	1 55	7 22	0 36	8 51	3 45	15 9	1 15	17 5	1 7	8 52	0 44	17 2	1 35	28 34	5 7	7 42	7 12	0 46		n.a.
S 19	16 17	23 26	3 19	7 54	2 7	6 51	0 33	8 54	3 46	15 4	1 15	17 6	1 6	8 51	0 44	17 3	1 35	28 35	5 8	7 43	7 13	0 50		n.a.
M20	15 59	18 23	2 11	7 18	2 19	6 20	0 31	8 59	3 46	14 59	1 15	17 6	1 6	8 49	0 44	17 3	1 35	28 35	5 8	7 44	7 14	0 53		n.a.
T 21	15 41	12 10	0 53	6 45	2 30	5 49	0 28	9 3	3 47	14 54	1 15	17 7	1 6	8 48	0 44	17 4	1 35	28 35	5 8	7 45	7 15	0 57		n.a.
W22	15 23	5 15	0s29	6 15	2 40	5 17	0 25	9 8	3 47	14 49	1 15	17 8	1 6	8 47	0 44	17 4	1 35	28 35	5 8	7 45	7 16	1 0		n.a.
T 23	15 4	1s55	1 49	5 48	2 50	4 46	0 22	9 12	3 47	14 44	1 15	17 9	1 6	8 46	0 44	17 5	1 35	28 36	5 8	7 44	7 18	1 3		n.a.
F 24	14 45	8 55	3 0	5 24	2 59	4 14	0 20	9 17	3 47	14 39	1 15	17 9	1 5	8 44	0 44	17 5	1 35	28 36	5 9	7 44	7 19	1 7		n.a.
S 25	14 25	15 19	3 59	5 4	3 7	3 43	0 17	9 23	3 47	14 34	1 15	17 10	1 5	8 43	0 44	17 6	1 35	28 36	5 9	7 43	7 20	1 10		n.a.
S 26	14 6	20 47	4 42	4 47	3 14	3 11	0 14	9 28	3 47	14 30	1 15	17 11	1 5	8 42	0 44	17 6	1 35	28 37	5 9	7 43	7 21	1 14		n.a.
M27	13 46	25 1	5 8	4 33	3 19	2 39	0 11	9 34	3 47	14 25	1 15	17 12	1 5	8 40	0 44	17 7	1 35	28 37	5 9	7 43	7 23	1 17		n.a.
T 28	13s26	27s46	5s16	4s23	3n24	2s 7	0s 8	9n40	3n47	14s20	1s15	17n13	1s 4	8s39	0s44	17n 7	1n35	28s37	5s 9	7s43	7s24	1n21		n.a.

Julian Day Number = 1108199.5, Delta T = 10h55m19s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'57, Lahiri = -27°06'56 Julian Calendar 1 Feb. 1679 BCE == Greg. Calendar 18 Jan. 1679 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

MARCH 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 35 50	25♒57'23	24♐25	11♓15	26♓17	14°R18	26♒ 3	20♉40	10♓ 1	18°R19	19♐39	10°R36	11♓25	29♓48	n.a.	W 1
T 2	9 39 47	26°55'59	7♑20	11°R17	27°29	14♍ 2	26°17	20°43	10° 5	18♌18	19°40	10♓34	11°21	29°54	n.a.	T 2
F 3	9 43 44	27°54'32	20° 1	11°12	28°42	13°45	26°31	20°46	10° 8	18°16	19°41	10°33	11°18	0♈ 1	n.a.	F 3
S 4	9 47 40	28°53'04	2♒28	11° 1	29°54	13°27	26°46	20°49	10°12	18°15	19°42	10°31	11°15	0° 8	n.a.	S 4
S 5	9 51 37	29°51'34	14°44	10°45	1♈ 6	13° 9	27° 0	20°52	10°15	18°13	19°43	10°30	11°12	0°14	n.a.	S 5
M 6	9 55 33	0♓50'02	26°51	10°23	2°18	12°50	27°14	20°55	10°18	18°11	19°44	10°29	11° 9	0°21	n.a.	M 6
T 7	9 59 30	1°48'27	8♓49	9°57	3°30	12°31	27°29	20°58	10°22	18°10	19°45	10°D28	11° 6	0°28	n.a.	T 7
W 8	10 3 26	2°46'51	20°41	9°26	4°42	12°11	27°43	21° 2	10°25	18° 8	19°45	10°29	11° 2	0°34	n.a.	W 8
T 9	10 7 23	3°45'12	2♈30	8°52	5°54	11°51	27°57	21° 5	10°29	18° 7	19°46	10°29	10°59	0°41	n.a.	T 9
F 10	10 11 19	4°43'32	14°18	8°15	7° 6	11°30	28°12	21° 9	10°32	18° 5	19°47	10°30	10°56	0°48	n.a.	F 10
S 11	10 15 16	5°41'49	26° 7	7°36	8°17	11°10	28°26	21°12	10°35	18° 4	19°48	10°30	10°53	0°54	n.a.	S 11
S 12	10 19 12	6°40'04	8♉ 2	6°55	9°29	10°49	28°40	21°16	10°39	18° 2	19°48	10°31	10°50	1° 1	n.a.	S 12
M13	10 23 9	7°38'17	20° 7	6°14	10°41	10°27	28°54	21°20	10°42	18° 0	19°49	10°31	10°47	1° 8	n.a.	M13
T 14	10 27 6	8°36'28	2♊26	5°33	11°52	10° 6	29° 9	21°24	10°46	17°59	19°50	10°31	10°43	1°14	n.a.	T 14
W15	10 31 2	9°34'37	15° 3	4°52	13° 4	9°44	29°23	21°28	10°49	17°57	19°50	10°R31	10°40	1°21	n.a.	W15
T 16	10 34 59	10°32'44	28° 2	4°13	14°15	9°22	29°37	21°32	10°53	17°56	19°51	10°D31	10°37	1°28	n.a.	T 16
F 17	10 38 55	11°30'48	11♋26	3°36	15°26	9° 0	29°51	21°36	10°56	17°54	19°51	10°31	10°34	1°34	n.a.	F 17
S 18	10 42 52	12°28'51	25°17	3° 2	16°38	8°38	0♓ 5	21°40	10°59	17°53	19°52	10°31	10°31	1°41	n.a.	S 18
S 19	10 46 48	13°26'51	9♌34	2°31	17°49	8°16	0°19	21°45	11° 3	17°51	19°52	10°32	10°27	1°47	n.a.	S 19
M20	10 50 45	14°24'50	24°15	2° 4	19° 0	7°55	0°33	21°49	11° 6	17°50	19°53	10°32	10°24	1°54	n.a.	M20
T 21	10 54 41	15°22'46	9♍13	1°41	20°11	7°33	0°48	21°54	11°10	17°49	19°53	10°R32	10°21	2° 1	n.a.	T 21
W22	10 58 38	16°20'40	24°22	1°22	21°22	7°11	1° 2	21°58	11°13	17°47	19°54	10°32	10°18	2° 7	n.a.	W22
T 23	11 2 34	17°18'33	9♎31	1° 8	22°33	6°50	1°16	22° 3	11°17	17°46	19°54	10°31	10°15	2°14	n.a.	T 23
F 24	11 6 31	18°16'25	24°32	0°58	23°43	6°29	1°30	22° 8	11°20	17°44	19°54	10°31	10°12	2°21	n.a.	F 24
S 25	11 10 28	19°14'14	9♏17	0°53	24°54	6° 8	1°44	22°13	11°23	17°43	19°55	10°30	10° 8	2°27	n.a.	S 25
S 26	11 14 24	20°12'03	23°39	0°D52	26° 4	5°48	1°58	22°17	11°27	17°42	19°55	10°29	10° 5	2°34	n.a.	S 26
M27	11 18 21	21° 9'50	7♐37	0°57	27°15	5°27	2°11	22°22	11°30	17°40	19°55	10°28	10° 2	2°41	n.a.	M27
T 28	11 22 17	22° 7'36	21°10	1° 6	28°25	5° 8	2°25	22°27	11°34	17°39	19°55	10°D28	9°59	2°47	n.a.	T 28
W29	11 26 14	23° 5'21	4♑18	1°20	29°36	4°48	2°39	22°33	11°37	17°38	19°56	10°28	9°56	2°54	n.a.	W29
T 30	11 30 10	24° 3'04	17° 6	1°38	0♉46	4°30	2°53	22°38	11°40	17°37	19°56	10°29	9°53	3° 1	n.a.	T 30
F 31	11 34 7	25♓ 0'46	29♑35	2♓ 1	1♉56	4♍11	3♓ 7	22♉43	11♓44	17♌35	19♐56	10♓30	9♓49	3♈ 7	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	13s 6	28s53	5s 7	4s17	3n27	1s35	0s 5	9n46	3n47	14s15	1s15	17n14	1s 4	8s38	0s44	17n 8	1n35	28s37	5s10	7s44	7s25	1n24			n.a.
T 2	12 46	28 23	4 43	4 15	3 30	1 3	0 2	9 52	3 46	14 10	1 15	17 15	1 4	8 37	0 44	17 8	1 35	28 38	5 10	7 44	7 26	1 28			n.a.
F 3	12 26	26 24	4 4	4 16	3 30	0 31	0n 1	9 58	3 46	14 5	1 15	17 16	1 4	8 35	0 44	17 9	1 35	28 38	5 10	7 45	7 28	1 31			n.a.
S 4	12 5	23 9	3 15	4 21	3 30	0n 1	0 4	10 5	3 45	14 0	1 15	17 17	1 4	8 34	0 44	17 9	1 35	28 38	5 10	7 46	7 29	1 35			n.a.
S 5	11 44	18 55	2 18	4 29	3 27	0 33	0 7	10 11	3 45	13 55	1 15	17 18	1 3	8 33	0 44	17 10	1 35	28 39	5 10	7 46	7 30	1 38			n.a.
M 6	11 23	13 58	1 15	4 41	3 24	1 5	0 10	10 18	3 44	13 50	1 15	17 19	1 3	8 31	0 44	17 10	1 35	28 39	5 11	7 47	7 31	1 42			n.a.
T 7	11 2	8 33	0 9	4 56	3 18	1 37	0 13	10 25	3 43	13 45	1 15	17 20	1 3	8 30	0 44	17 11	1 35	28 39	5 11	7 47	7 32	1 45			n.a.
W 8	10 41	2 54	0n56	5 14	3 12	2 9	0 16	10 32	3 42	13 40	1 15	17 21	1 3	8 29	0 44	17 11	1 35	28 39	5 11	7 47	7 34	1 48			n.a.
T 9	10 19	2n50	1 59	5 34	3 3	2 41	0 19	10 39	3 41	13 35	1 15	17 22	1 3	8 27	0 44	17 12	1 35	28 40	5 11	7 47	7 35	1 52			n.a.
F 10	9 57	8 27	2 57	5 57	2 54	3 12	0 22	10 46	3 40	13 30	1 15	17 23	1 2	8 26	0 44	17 12	1 35	28 40	5 12	7 46	7 36	1 55			n.a.
S 11	9 36	13 47	3 47	6 22	2 43	3 44	0 25	10 53	3 39	13 25	1 15	17 24	1 2	8 25	0 44	17 13	1 35	28 40	5 12	7 46	7 37	1 59			n.a.
S 12	9 14	18 40	4 28	6 49	2 31	4 16	0 29	11 0	3 37	13 20	1 15	17 25	1 2	8 23	0 44	17 13	1 35	28 40	5 12	7 46	7 39	2 2			n.a.
M13	8 52	22 53	4 58	7 16	2 17	4 47	0 32	11 6	3 36	13 15	1 15	17 27	1 2	8 22	0 44	17 14	1 35	28 41	5 12	7 46	7 40	2 6			n.a.
T 14	8 30	26 10	5 15	7 45	2 3	5 19	0 35	11 13	3 34	13 10	1 15	17 28	1 2	8 21	0 44	17 14	1 35	28 41	5 12	7 46	7 41	2 9			n.a.
W15	8 7	28 17	5 17	8 14	1 48	5 50	0 38	11 20	3 33	13 5	1 15	17 29	1 1	8 19	0 44	17 15	1 35	28 41	5 13	7 46	7 42	2 13			n.a.
T 16	7 45	28 56	5 3	8 43	1 33	6 21	0 41	11 27	3 31	13 0	1 15	17 30	1 1	8 18	0 44	17 15	1 35	28 42	5 13	7 46	7 44	2 16			n.a.
F 17	7 23	27 55	4 33	9 11	1 17	6 52	0 44	11 34	3 29	12 55	1 15	17 32	1 1	8 17	0 44	17 16	1 35	28 42	5 13	7 46	7 45	2 20			n.a.
S 18	7 0	25 11	3 46	9 39	1 0	7 23	0 47	11 41	3 27	12 50	1 15	17 33	1 1	8 15	0 44	17 16	1 35	28 42	5 13	7 46	7 46	2 23			n.a.
S 19	6 38	20 49	2 44	10 5	0 44	7 54	0 51	11 47	3 25	12 44	1 15	17 34	1 1	8 14	0 44	17 17	1 35	28 42	5 13	7 46	7 47	2 26			n.a.
M20	6 15	15 5	1 29	10 31	0 27	8 24	0 54	11 53	3 23	12 39	1 16	17 36	1 0	8 13	0 44	17 17	1 35	28 43	5 14	7 46	7 48	2 30			n.a.
T 21	5 52	8 23	0 7	10 54	0 11	8 54	0 57	12 0	3 21	12 34	1 16	17 37	1 0	8 11	0 44	17 17	1 35	28 43	5 14	7 45	7 50	2 33			n.a.
W22	5 29	1 7	1s16	11 16	0s 5	9 25	1 0	12 6	3 19	12 29	1 16	17 38	1 0	8 10	0 44	17 18	1 35	28 43	5 14	7 46	7 51	2 37			n.a.
T 23	5 6	6s12	2 34	11 36	0 20	9 54	1 3	12 12	3 16	12 24	1 16	17 40	1 0	8 9	0 44	17 18	1 35	28 43	5 14	7 46	7 52	2 40			n.a.
F 24	4 43	13 5	3 41	11 53	0 35	10 24	1 6	12 17	3 14	12 19	1 16	17 41	1 0	8 7	0 44	17 19	1 35	28 44	5 15	7 46	7 53	2 44			n.a.
S 25	4 20	19 8	4 31	12 8	0 50	10 53	1 9	12 23	3 11	12 14	1 16	17 43	1 0	8 6	0 44	17 19	1 35	28 44	5 15	7 46	7 55	2 47			n.a.
S 26	3 57	23 56	5 4	12 21	1 3	11 23	1 12	12 28	3 9	12 9	1 16	17 44	0 59	8 5	0 44	17 19	1 35	28 44	5 15	7 47	7 56	2 51			n.a.
M27	3 34	27 12	5 17	12 32	1 16	11 51	1 15	12 33	3 6	12 4	1 16	17 45	0 59	8 3	0 44	17 20	1 35	28 44	5 15	7 47	7 57	2 54			n.a.
T 28	3 11	28 46	5 12	12 40	1 29	12 20	1 18	12 38	3 3	11 59	1 16	17 47	0 59	8 2	0 44	17 20	1 35	28 45	5 15	7 47	7 58	2 57			n.a.
W29	2 48	28 39	4 50	12 46	1 40	12 48	1 21	12 43	3 0	11 54	1 16	17 48	0 59	8 1	0 44	17 21	1 35	28 45	5 16	7 47	7 59	3 1			n.a.
T 30	2 24	26 59	4 15	12 49	1 51	13 16	1 24	12 47	2 57	11 49	1 16	17 50	0 59	8 0	0 44	17 21	1 35	28 45	5 16	7 47	8 1	3 4			n.a.
F 31	2s 1	24s 1	3s28	12s50	2s 1	13n44	1n27	12n51	2n55	11s44	1s16	17n52	0s58	7s58	0s44	17n21	1n35	28s45	5s16	7s46	8s 2	3n 8			n.a.

Julian Day Number = 1108227.5, Delta T = 10h55m18s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'53, Lahiri = -27°06'53 Julian Calendar 1 March 1679 BCE == Greg. Calendar 15 Feb. 1679 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

APRIL 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 38 3	25♓58'27	11♒49	2♓28	3♉ 6	3°R53	3♓21	22♉48	11♓47	17°R34	19♐56	10♓31	9♓46	3♈14	n.a.	S 1
S 2	11 42 0	26°56'06	23°53	2°59	4°16	3♍36	3°34	22°54	11°50	17♎33	19°56	10°32	9°43	3°21	n.a.	S 2
M 3	11 45 57	27°53'44	5♓49	3°34	5°26	3°20	3°48	22°59	11°54	17°32	19°56	10°R33	9°40	3°27	n.a.	M 3
T 4	11 49 53	28°51'20	17°39	4°13	6°36	3° 4	4° 2	23° 5	11°57	17°31	19°56	10°33	9°37	3°34	n.a.	T 4
W 5	11 53 50	29°48'56	29°28	4°56	7°45	2°48	4°15	23°11	12° 0	17°29	19°R56	10°32	9°33	3°41	n.a.	W 5
T 6	11 57 46	0♈46'30	11♈15	5°43	8°55	2°34	4°29	23°16	12° 4	17°28	19°56	10°30	9°30	3°47	n.a.	T 6
F 7	12 1 43	1°44'02	23° 5	6°33	10° 4	2°20	4°42	23°22	12° 7	17°27	19°56	10°27	9°27	3°54	n.a.	F 7
S 8	12 5 39	2°41'33	4♉59	7°27	11°14	2° 7	4°56	23°28	12°10	17°26	19°56	10°23	9°24	4° 1	n.a.	S 8
S 9	12 9 36	3°39'03	16°59	8°23	12°23	1°54	5° 9	23°34	12°14	17°25	19°56	10°20	9°21	4° 7	n.a.	S 9
M10	12 13 32	4°36'31	29° 8	9°23	13°32	1°43	5°22	23°40	12°17	17°24	19°56	10°16	9°18	4°14	n.a.	M10
T 11	12 17 29	5°33'58	11♊29	10°26	14°41	1°32	5°36	23°46	12°20	17°23	19°56	10°13	9°14	4°21	n.a.	T 11
W12	12 21 26	6°31'23	24° 6	11°33	15°50	1°22	5°49	23°52	12°23	17°22	19°56	10°12	9°11	4°27	n.a.	W12
T 13	12 25 22	7°28'47	7♋ 1	12°42	16°59	1°13	6° 2	23°58	12°26	17°21	19°56	10°D11	9° 8	4°34	n.a.	T 13
F 14	12 29 19	8°26'10	20°18	13°54	18° 7	1° 5	6°15	24° 4	12°30	17°20	19°55	10°11	9° 5	4°41	n.a.	F 14
S 15	12 33 15	9°23'31	4♌ 0	15° 8	19°16	0°57	6°28	24°11	12°33	17°20	19°55	10°13	9° 2	4°47	n.a.	S 15
S 16	12 37 12	10°20'51	18° 7	16°26	20°24	0°50	6°42	24°17	12°36	17°19	19°55	10°14	8°58	4°54	n.a.	S 16
M17	12 41 8	11°18'09	2♍38	17°46	21°33	0°44	6°55	24°23	12°39	17°18	19°55	10°15	8°55	5° 1	n.a.	M17
T 18	12 45 5	12°15'26	17°31	19° 9	22°41	0°39	7° 7	24°30	12°42	17°17	19°54	10°R15	8°52	5° 7	n.a.	T 18
W19	12 49 1	13°12'42	2♎38	20°35	23°49	0°35	7°20	24°36	12°45	17°16	19°54	10°14	8°49	5°14	n.a.	W19
T 20	12 52 58	14° 9'57	17°52	22° 3	24°57	0°31	7°33	24°43	12°48	17°16	19°54	10°11	8°46	5°21	n.a.	T 20
F 21	12 56 55	15° 7'11	3♏ 3	23°34	26° 4	0°29	7°46	24°49	12°51	17°15	19°53	10° 6	8°43	5°27	n.a.	F 21
S 22	13 0 51	16° 4'25	17°59	25° 7	27°12	0°27	7°59	24°56	12°54	17°14	19°53	10° 1	8°39	5°34	n.a.	S 22
S 23	13 4 48	17° 1'37	2♐34	26°43	28°19	0°26	8°11	25° 3	12°57	17°14	19°52	9°56	8°36	5°41	n.a.	S 23
M24	13 8 44	17°58'49	16°43	28°22	29°27	0°D26	8°24	25° 9	13° 0	17°13	19°52	9°52	8°33	5°47	n.a.	M24
T 25	13 12 41	18°56'01	0♑22	0♈ 3	0♊34	0°26	8°36	25°16	13° 3	17°12	19°51	9°49	8°30	5°54	n.a.	T 25
W26	13 16 37	19°53'12	13°34	1°46	1°41	0°28	8°49	25°23	13° 6	17°12	19°51	9°47	8°27	6° 1	n.a.	W26
T 27	13 20 34	20°50'23	26°21	3°33	2°48	0°30	9° 1	25°30	13° 9	17°11	19°50	9°D47	8°24	6° 7	n.a.	T 27
F 28	13 24 30	21°47'33	8♒46	5°21	3°55	0°33	9°13	25°37	13°12	17°11	19°50	9°48	8°20	6°14	n.a.	F 28
S 29	13 28 27	22°44'43	20°55	7°12	5° 1	0°37	9°26	25°44	13°15	17°10	19°49	9°50	8°17	6°21	n.a.	S 29
S 30	13 32 24	23♈41'52	2♓53	9♈ 6	6♊ 8	0♍41	9♓38	25♉51	13♓17	17♎10	19♐48	9♓51	8♓14	6♈27	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s38	20s 0	2s32	12s49	2s10	14n11	1n30	12n55	2n52	11s39	1s16	17n53	0s58	7s57	0s44	17n22	1n35	28s46	5s16	7s46	8s 3	3n11		n.a.
S 2	1 14	15 14	1 31	12 45	2 19	14 38	1 33	12 59	2 49	11 34	1 16	17 55	0 58	7 56	0 44	17 22	1 35	28 46	5 17	7 45	8 4	3 15		n.a.
M 3	0 51	9 57	0 26	12 39	2 26	15 5	1 36	13 2	2 45	11 29	1 17	17 56	0 58	7 54	0 44	17 22	1 35	28 46	5 17	7 45	8 6	3 18		n.a.
T 4	0 28	4 22	0n39	12 31	2 33	15 31	1 39	13 5	2 42	11 24	1 17	17 58	0 58	7 53	0 44	17 23	1 35	28 46	5 17	7 45	8 7	3 22		n.a.
W 5	0 4	1n21	1 43	12 20	2 39	15 57	1 41	13 8	2 39	11 19	1 17	17 59	0 58	7 52	0 44	17 23	1 35	28 46	5 17	7 45	8 8	3 25		n.a.
T 6	0n19	7 0	2 41	12 7	2 44	16 23	1 44	13 10	2 36	11 14	1 17	18 1	0 57	7 51	0 44	17 23	1 35	28 47	5 18	7 46	8 9	3 28		n.a.
F 7	0 42	12 26	3 33	11 52	2 48	16 48	1 47	13 13	2 33	11 9	1 17	18 3	0 57	7 49	0 44	17 24	1 35	28 47	5 18	7 47	8 10	3 32		n.a.
S 8	1 5	17 26	4 16	11 35	2 52	17 13	1 49	13 14	2 30	11 4	1 17	18 4	0 57	7 48	0 44	17 24	1 35	28 47	5 18	7 49	8 12	3 35		n.a.
S 9	1 29	21 49	4 49	11 16	2 55	17 37	1 52	13 16	2 26	10 59	1 17	18 6	0 57	7 47	0 44	17 24	1 35	28 47	5 18	7 50	8 13	3 39		n.a.
M10	1 52	25 21	5 8	10 55	2 57	18 1	1 54	13 17	2 23	10 55	1 17	18 8	0 57	7 45	0 44	17 25	1 35	28 48	5 18	7 52	8 14	3 42		n.a.
T 11	2 15	27 46	5 14	10 32	2 58	18 24	1 57	13 18	2 20	10 50	1 17	18 9	0 57	7 44	0 44	17 25	1 35	28 48	5 19	7 53	8 15	3 46		n.a.
W12	2 38	28 50	5 5	10 7	2 59	18 47	1 59	13 19	2 17	10 45	1 17	18 11	0 56	7 43	0 44	17 25	1 35	28 48	5 19	7 53	8 16	3 49		n.a.
T 13	3 1	28 22	4 40	9 40	2 59	19 10	2 2	13 19	2 13	10 40	1 18	18 13	0 56	7 42	0 44	17 25	1 35	28 48	5 19	7 54	8 18	3 52		n.a.
F 14	3 24	26 17	4 0	9 11	2 58	19 32	2 4	13 19	2 10	10 35	1 18	18 14	0 56	7 41	0 44	17 26	1 35	28 48	5 19	7 53	8 19	3 56		n.a.
S 15	3 47	22 37	3 6	8 40	2 56	19 53	2 6	13 19	2 7	10 30	1 18	18 16	0 56	7 39	0 44	17 26	1 35	28 49	5 20	7 53	8 20	3 59		n.a.
S 16	4 10	17 34	1 58	8 7	2 54	20 14	2 8	13 18	2 3	10 25	1 18	18 18	0 56	7 38	0 44	17 26	1 35	28 49	5 20	7 52	8 21	4 3		n.a.
M17	4 33	11 22	0 42	7 33	2 51	20 35	2 10	13 17	2 0	10 21	1 18	18 20	0 56	7 37	0 44	17 26	1 34	28 49	5 20	7 52	8 23	4 6		n.a.
T 18	4 56	4 25	0s40	6 56	2 48	20 55	2 12	13 16	1 57	10 16	1 18	18 21	0 56	7 36	0 44	17 27	1 34	28 49	5 20	7 52	8 24	4 9		n.a.
W19	5 19	2s53	1 59	6 18	2 44	21 14	2 14	13 14	1 54	10 11	1 18	18 23	0 55	7 34	0 44	17 27	1 34	28 49	5 20	7 52	8 25	4 13		n.a.
T 20	5 41	10 4	3 11	5 38	2 39	21 33	2 16	13 13	1 50	10 6	1 18	18 25	0 55	7 33	0 44	17 27	1 34	28 50	5 21	7 54	8 26	4 16		n.a.
F 21	6 4	16 39	4 9	4 57	2 34	21 52	2 18	13 11	1 47	10 2	1 18	18 27	0 55	7 32	0 44	17 27	1 34	28 50	5 21	7 55	8 27	4 20		n.a.
S 22	6 26	22 7	4 49	4 14	2 28	22 10	2 19	13 8	1 44	9 57	1 19	18 28	0 55	7 31	0 44	17 27	1 34	28 50	5 21	7 57	8 29	4 23		n.a.
S 23	6 49	26 6	5 9	3 29	2 22	22 27	2 21	13 6	1 41	9 52	1 19	18 30	0 55	7 30	0 44	17 28	1 34	28 50	5 21	7 59	8 30	4 27		n.a.
M24	7 11	28 20	5 9	2 43	2 15	22 44	2 22	13 3	1 38	9 47	1 19	18 32	0 55	7 29	0 44	17 28	1 34	28 50	5 21	8 1	8 31	4 30		n.a.
T 25	7 33	28 45	4 52	1 55	2 7	23 0	2 24	13 0	1 34	9 43	1 19	18 34	0 55	7 28	0 44	17 28	1 34	28 50	5 22	8 2	8 32	4 33		n.a.
W26	7 55	27 29	4 19	1 6	1 59	23 15	2 25	12 56	1 31	9 38	1 19	18 35	0 54	7 26	0 44	17 28	1 34	28 51	5 22	8 3	8 33	4 37		n.a.
T 27	8 17	24 47	3 34	0 15	1 51	23 30	2 26	12 53	1 28	9 34	1 19	18 37	0 54	7 25	0 44	17 28	1 34	28 51	5 22	8 3	8 35	4 40		n.a.
F 28	8 39	20 59	2 41	0n37	1 42	23 45	2 28	12 49	1 25	9 29	1 19	18 39	0 54	7 24	0 44	17 28	1 34	28 51	5 22	8 2	8 36	4 44		n.a.
S 29	9 1	16 23	1 41	1 30	1 33	23 58	2 29	12 44	1 22	9 24	1 20	18 41	0 54	7 23	0 44	17 28	1 34	28 51	5 23	8 2	8 37	4 47		n.a.
S 30	9n22	11s13	0s38	2n24	1s23	24n12	2n30	12n40	1n19	9s20	1s20	18n43	0s54	7s22	0s44	17n28	1n34	28s51	5s23	8s 1	8s38	4n50		n.a.

Julian Day Number = 1108258.5, Delta T = 10h55m16s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'49, Lahiri = -27°06'48 Julian Calendar 1 Apr. 1679 BCE == Greg. Calendar 18 March 1679 BCE

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

MAY 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 36 20	24♈39'01	14♓43	11♈ 1	7♊14	0♍46	9♓50	25♉58	13♓20	17°R 9	19°R48	9°R51	8♓11	6♈34	n.a.	M 1
T 2	13 40 17	25°36'09	26°31	12°59	8°20	0°52	10° 2	26° 5	13°23	17♌ 9	19♐47	9♓49	8° 8	6°40	n.a.	T 2
W 3	13 44 13	26°33'17	8♈18	15° 0	9°26	0°59	10°14	26°12	13°26	17° 9	19°46	9°46	8° 4	6°47	n.a.	W 3
T 4	13 48 10	27°30'24	20° 8	17° 2	10°32	1° 7	10°26	26°19	13°28	17° 8	19°46	9°40	8° 1	6°54	n.a.	T 4
F 5	13 52 6	28°27'32	2♉ 3	19° 6	11°37	1°15	10°37	26°26	13°31	17° 8	19°45	9°33	7°58	7° 0	n.a.	F 5
S 6	13 56 3	29°24'38	14° 5	21°12	12°42	1°24	10°49	26°33	13°34	17° 8	19°44	9°24	7°55	7° 7	n.a.	S 6
S 7	13 59 59	0♉21'45	26°14	23°19	13°48	1°34	11° 1	26°41	13°36	17° 8	19°43	9°14	7°52	7°14	n.a.	S 7
M 8	14 3 56	1°18'51	8♊34	25°27	14°53	1°44	11°12	26°48	13°39	17° 7	19°43	9° 5	7°49	7°20	n.a.	M 8
T 9	14 7 53	2°15'56	21° 4	27°37	15°57	1°55	11°24	26°55	13°41	17° 7	19°42	8°58	7°45	7°27	n.a.	T 9
W10	14 11 49	3°13'01	3♋47	29°47	17° 2	2° 7	11°35	27° 3	13°44	17° 7	19°41	8°52	7°42	7°34	n.a.	W10
T 11	14 15 46	4°10'05	16°45	1♌58	18° 6	2°19	11°46	27°10	13°46	17° 7	19°40	8°48	7°39	7°40	n.a.	T 11
F 12	14 19 42	5° 7'09	29°59	4° 9	19°11	2°32	11°57	27°17	13°49	17° 7	19°39	8°D47	7°36	7°47	n.a.	F 12
S 13	14 23 39	6° 4'13	13♌34	6°20	20°14	2°46	12° 8	27°25	13°51	17° 7	19°38	8°47	7°33	7°54	n.a.	S 13
S 14	14 27 35	7° 1'16	27°30	8°31	21°18	3° 0	12°19	27°32	13°54	17°D 7	19°37	8°48	7°30	8° 0	n.a.	S 14
M15	14 31 32	7°58'18	11♍47	10°41	22°22	3°15	12°30	27°40	13°56	17° 7	19°36	8°R48	7°26	8° 7	n.a.	M15
T 16	14 35 29	8°55'20	26°25	12°50	23°25	3°30	12°41	27°47	13°58	17° 7	19°35	8°47	7°23	8°14	n.a.	T 16
W17	14 39 25	9°52'22	11♎18	14°58	24°28	3°46	12°52	27°55	14° 0	17° 7	19°34	8°44	7°20	8°20	n.a.	W17
T 18	14 43 22	10°49'23	26°21	17° 5	25°30	4° 3	13° 2	28° 2	14° 3	17° 7	19°33	8°38	7°17	8°27	n.a.	T 18
F 19	14 47 18	11°46'25	11♏25	19°11	26°33	4°20	13°13	28°10	14° 5	17° 7	19°32	8°30	7°14	8°34	n.a.	F 19
S 20	14 51 15	12°43'27	26°20	21°15	27°35	4°38	13°23	28°18	14° 7	17° 7	19°31	8°21	7°10	8°40	n.a.	S 20
S 21	14 55 11	13°40'28	10♐56	23°18	28°37	4°56	13°33	28°25	14° 9	17° 8	19°30	8°11	7° 7	8°47	n.a.	S 21
M22	14 59 8	14°37'31	25° 9	25°19	29°38	5°15	13°44	28°33	14°11	17° 8	19°29	8° 2	7° 4	8°54	n.a.	M22
T 23	15 3 5	15°34'33	8♑53	27°18	0♋39	5°34	13°54	28°40	14°13	17° 8	19°28	7°56	7° 1	9° 0	n.a.	T 23
W24	15 7 1	16°31'36	22° 9	29°15	1°40	5°54	14° 4	28°48	14°15	17° 9	19°27	7°51	6°58	9° 7	n.a.	W24
T 25	15 10 58	17°28'40	4♒58	1♊10	2°41	6°14	14°13	28°56	14°17	17° 9	19°26	7°48	6°55	9°14	n.a.	T 25
F 26	15 14 54	18°25'43	17°24	3° 4	3°41	6°35	14°23	29° 4	14°19	17° 9	19°25	7°D48	6°51	9°20	n.a.	F 26
S 27	15 18 51	19°22'48	29°33	4°55	4°41	6°57	14°33	29°11	14°21	17°10	19°24	7°48	6°48	9°27	n.a.	S 27
S 28	15 22 47	20°19'53	11♓30	6°45	5°41	7°18	14°42	29°19	14°23	17°10	19°23	7°R48	6°45	9°34	n.a.	S 28
M29	15 26 44	21°16'58	23°20	8°32	6°40	7°41	14°52	29°27	14°25	17°11	19°21	7°47	6°42	9°40	n.a.	M29
T 30	15 30 40	22°14'04	5♈ 7	10°18	7°39	8° 3	15° 1	29°34	14°26	17°11	19°20	7°44	6°39	9°47	n.a.	T 30
W31	15 34 37	23♉11'11	16♈56	12♊ 2	8♋37	8♍26	15♓10	29♉42	14♓28	17♌12	19♐19	7♓38	6♓35	9♈54	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9n44	5s43	0n26	3n19	1s13	24n24	2n30	12n35	1n16	9s15	1s20	18n44	0s54	7s21	0s44	17n29	1n34	28s51	5s23	8s 1	8s40	4n54		n.a.
T 2	10 5	0 3	1 29	4 16	1 3	24 36	2 31	12 30	1 13	9 11	1 20	18 46	0 54	7 20	0 44	17 29	1 34	28 52	5 23	8 2	8 41	4 57		n.a.
W 3	10 26	5n36	2 28	5 13	0 52	24 47	2 32	12 25	1 10	9 7	1 20	18 48	0 53	7 19	0 44	17 29	1 34	28 52	5 23	8 3	8 42	5 1		n.a.
T 4	10 47	11 5	3 20	6 10	0 42	24 58	2 32	12 20	1 7	9 2	1 20	18 50	0 53	7 18	0 44	17 29	1 34	28 52	5 24	8 5	8 43	5 4		n.a.
F 5	11 8	16 13	4 4	7 8	0 31	25 8	2 33	12 14	1 4	8 58	1 21	18 52	0 53	7 17	0 44	17 29	1 34	28 52	5 24	8 8	8 44	5 7		n.a.
S 6	11 28	20 46	4 37	8 7	0 20	25 17	2 33	12 8	1 2	8 53	1 21	18 54	0 53	7 16	0 44	17 29	1 34	28 52	5 24	8 12	8 46	5 11		n.a.
S 7	11 49	24 30	4 58	9 5	0 9	25 25	2 33	12 2	0 59	8 49	1 21	18 55	0 53	7 15	0 45	17 29	1 34	28 52	5 24	8 15	8 47	5 14		n.a.
M 8	12 9	27 11	5 6	10 3	0n 2	25 33	2 33	11 56	0 56	8 45	1 21	18 57	0 53	7 14	0 45	17 29	1 34	28 52	5 24	8 19	8 48	5 18		n.a.
T 9	12 29	28 34	4 59	11 1	0 12	25 41	2 33	11 49	0 53	8 40	1 21	18 59	0 53	7 13	0 45	17 29	1 34	28 53	5 25	8 22	8 49	5 21		n.a.
W10	12 49	28 28	4 38	11 58	0 23	25 47	2 33	11 42	0 51	8 36	1 21	19 1	0 53	7 12	0 45	17 29	1 34	28 53	5 25	8 24	8 50	5 24		n.a.
T 11	13 9	26 49	4 2	12 54	0 33	25 53	2 33	11 35	0 48	8 32	1 22	19 3	0 52	7 11	0 45	17 29	1 34	28 53	5 25	8 25	8 52	5 28		n.a.
F 12	13 28	23 40	3 12	13 48	0 43	25 59	2 33	11 28	0 45	8 28	1 22	19 5	0 52	7 10	0 45	17 29	1 34	28 53	5 25	8 26	8 53	5 31		n.a.
S 13	13 48	19 9	2 11	14 42	0 52	26 3	2 32	11 21	0 43	8 24	1 22	19 6	0 52	7 9	0 45	17 29	1 33	28 53	5 25	8 26	8 54	5 34		n.a.
S 14	14 7	13 30	1 0	15 34	1 1	26 7	2 31	11 13	0 40	8 20	1 22	19 8	0 52	7 8	0 45	17 29	1 33	28 53	5 25	8 25	8 55	5 38		n.a.
M15	14 26	7 2	0s16	16 24	1 9	26 10	2 31	11 5	0 38	8 15	1 22	19 10	0 52	7 7	0 45	17 29	1 33	28 53	5 26	8 25	8 56	5 41		n.a.
T 16	14 44	0 2	1 33	17 12	1 17	26 13	2 30	10 57	0 35	8 11	1 23	19 12	0 52	7 6	0 45	17 29	1 33	28 53	5 26	8 26	8 58	5 45		n.a.
W17	15 3	7s 4	2 44	17 58	1 24	26 15	2 29	10 49	0 33	8 7	1 23	19 14	0 52	7 6	0 45	17 29	1 33	28 53	5 26	8 27	8 59	5 48		n.a.
T 18	15 21	13 51	3 45	18 42	1 31	26 16	2 28	10 41	0 30	8 4	1 23	19 16	0 52	7 5	0 45	17 29	1 33	28 53	5 26	8 29	9 0	5 51		n.a.
F 19	15 39	19 49	4 31	19 24	1 36	26 17	2 26	10 32	0 28	8 0	1 23	19 17	0 52	7 4	0 45	17 28	1 33	28 54	5 26	8 32	9 1	5 55		n.a.
S 20	15 57	24 30	4 57	20 3	1 42	26 17	2 25	10 23	0 26	7 56	1 23	19 19	0 51	7 3	0 45	17 28	1 33	28 54	5 27	8 36	9 2	5 58		n.a.
S 21	16 14	27 30	5 3	20 40	1 46	26 16	2 23	10 14	0 23	7 52	1 24	19 21	0 51	7 2	0 45	17 28	1 33	28 54	5 27	8 39	9 4	6 2		n.a.
M22	16 32	28 38	4 50	21 14	1 50	26 15	2 21	10 5	0 21	7 48	1 24	19 23	0 51	7 1	0 45	17 28	1 33	28 54	5 27	8 43	9 5	6 5		n.a.
T 23	16 49	27 55	4 21	21 46	1 53	26 13	2 19	9 56	0 19	7 44	1 24	19 25	0 51	7 1	0 45	17 28	1 33	28 54	5 27	8 45	9 6	6 8		n.a.
W24	17 6	25 37	3 38	22 15	1 56	26 10	2 17	9 46	0 16	7 41	1 24	19 26	0 51	7 0	0 45	17 28	1 33	28 54	5 27	8 47	9 7	6 12		n.a.
T 25	17 22	22 3	2 45	22 42	1 58	26 7	2 15	9 37	0 14	7 37	1 24	19 28	0 51	6 59	0 45	17 28	1 33	28 54	5 27	8 48	9 8	6 15		n.a.
F 26	17 38	17 36	1 46	23 7	1 59	26 3	2 13	9 27	0 12	7 33	1 25	19 30	0 51	6 58	0 45	17 28	1 33	28 54	5 28	8 48	9 10	6 18		n.a.
S 27	17 54	12 31	0 44	23 29	2 0	25 59	2 10	9 17	0 10	7 30	1 25	19 32	0 51	6 58	0 45	17 27	1 33	28 54	5 28	8 48	9 11	6 22		n.a.
S 28	18 10	7 5	0n20	23 48	1 59	25 54	2 8	9 7	0 8	7 26	1 25	19 34	0 51	6 57	0 45	17 27	1 33	28 54	5 28	8 48	9 12	6 25		n.a.
M29	18 25	1 27	1 22	24 6	1 59	25 48	2 5	8 56	0 6	7 23	1 25	19 35	0 51	6 56	0 45	17 27	1 33	28 54	5 28	8 49	9 13	6 28		n.a.
T 30	18 40	4n12	2 20	24 21	1 57	25 42	2 2	8 46	0 4	7 19	1 25	19 37	0 50	6 56	0 45	17 27	1 33	28 54	5 28	8 50	9 14	6 32		n.a.
W31	18n55	9n43	3n12	24n34	1n56	25n35	1n59	8n35	0n 2	7s16	1s26	19n39	0s50	6s55	0s45	17n27	1n33	28s54	5s28	8s52	9s16	6n35		n.a.

Julian Day Number = 1108288.5, Delta T = 10h55m14s
Ecliptic obliquity = 23°53'34, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'45, Lahiri = -27°06'44 Julian Calendar 1 May 1679 BCE == Greg. Calendar 17 Apr. 1679 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

JUNE 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 38 34	24♉ 8'18	28♈51	13♊44	9♋35	8♍50	15♓19	29♉50	14♓30	17♎12	19°R18	7°R30	6♓32	10♈ 0	n.a.	T 1
F 2	15 42 30	25° 5'26	10♉54	15°24	10°33	9°14	15°28	29°58	14°31	17°13	19♐17	7♓19	6°29	10° 7	n.a.	F 2
S 3	15 46 27	26° 2'35	23° 6	17° 2	11°30	9°39	15°37	0♊ 6	14°33	17°13	19°15	7° 7	6°26	10°14	n.a.	S 3
S 4	15 50 23	26°59'44	5♊30	18°38	12°27	10° 3	15°45	0°13	14°35	17°14	19°14	6°54	6°23	10°21	n.a.	S 4
M 5	15 54 20	27°56'54	18° 4	20°12	13°24	10°29	15°54	0°21	14°36	17°15	19°13	6°41	6°20	10°27	n.a.	M 5
T 6	15 58 16	28°54'05	0♋50	21°44	14°20	10°54	16° 2	0°29	14°37	17°16	19°12	6°30	6°16	10°34	n.a.	T 6
W 7	16 2 13	29°51'16	13°47	23°14	15°15	11°21	16°11	0°37	14°39	17°16	19°10	6°22	6°13	10°41	n.a.	W 7
T 8	16 6 10	0♊48'27	26°57	24°42	16°10	11°47	16°19	0°44	14°40	17°17	19° 9	6°16	6°10	10°47	n.a.	T 8
F 9	16 10 6	1°45'39	10♌19	26° 8	17° 5	12°14	16°27	0°52	14°42	17°18	19° 8	6°13	6° 7	10°54	n.a.	F 9
S 10	16 14 3	2°42'51	23°55	27°32	17°59	12°41	16°35	1° 0	14°43	17°19	19° 6	6°12	6° 4	11° 1	n.a.	S 10
S 11	16 17 59	3°40'04	7♍45	28°54	18°52	13° 9	16°42	1° 8	14°44	17°20	19° 5	6°12	6° 1	11° 7	n.a.	S 11
M12	16 21 56	4°37'18	21°51	0♋14	19°45	13°37	16°50	1°16	14°45	17°21	19° 4	6°11	5°57	11°14	n.a.	M12
T 13	16 25 52	5°34'31	6♎13	1°32	20°37	14° 5	16°57	1°23	14°46	17°22	19° 2	6° 9	5°54	11°21	n.a.	T 13
W14	16 29 49	6°31'46	20°46	2°47	21°29	14°34	17° 4	1°31	14°47	17°22	19° 1	6° 5	5°51	11°27	n.a.	W14
T 15	16 33 45	7°29'01	5♏28	4° 0	22°20	15° 3	17°12	1°39	14°48	17°23	19° 0	5°58	5°48	11°34	n.a.	T 15
F 16	16 37 42	8°26'17	20°12	5°11	23°10	15°32	17°19	1°47	14°49	17°25	18°58	5°49	5°45	11°41	n.a.	F 16
S 17	16 41 39	9°23'34	4♐51	6°20	23°59	16° 2	17°25	1°54	14°50	17°26	18°57	5°38	5°41	11°47	n.a.	S 17
S 18	16 45 35	10°20'52	19°15	7°26	24°48	16°32	17°32	2° 2	14°51	17°27	18°56	5°27	5°38	11°54	n.a.	S 18
M19	16 49 32	11°18'11	3♑20	8°29	25°36	17° 2	17°39	2°10	14°52	17°28	18°54	5°16	5°35	12° 1	n.a.	M19
T 20	16 53 28	12°15'31	17° 0	9°30	26°24	17°32	17°45	2°18	14°53	17°29	18°53	5° 7	5°32	12° 7	n.a.	T 20
W21	16 57 25	13°12'53	0♒15	10°27	27°10	18° 3	17°51	2°25	14°54	17°30	18°51	5° 1	5°29	12°14	n.a.	W21
T 22	17 1 21	14°10'16	13° 5	11°22	27°56	18°34	17°57	2°33	14°54	17°31	18°50	4°57	5°26	12°21	n.a.	T 22
F 23	17 5 18	15° 7'40	25°33	12°14	28°41	19° 6	18° 3	2°41	14°55	17°33	18°49	4°56	5°22	12°27	n.a.	F 23
S 24	17 9 15	16° 5'06	7♓43	13° 2	29°25	19°37	18° 9	2°48	14°56	17°34	18°47	4°D56	5°19	12°34	n.a.	S 24
S 25	17 13 11	17° 2'33	19°41	13°48	0♌ 8	20° 9	18°14	2°56	14°56	17°35	18°46	4°R56	5°16	12°41	n.a.	S 25
M26	17 17 8	18° 0'01	1♈32	14°29	0°50	20°42	18°20	3° 4	14°57	17°36	18°45	4°55	5°13	12°47	n.a.	M26
T 27	17 21 4	18°57'32	13°21	15° 7	1°31	21°14	18°25	3°11	14°57	17°38	18°43	4°53	5°10	12°54	n.a.	T 27
W28	17 25 1	19°55'03	25°14	15°41	2°11	21°47	18°30	3°19	14°58	17°39	18°42	4°48	5° 7	13° 1	n.a.	W28
T 29	17 28 57	20°52'37	7♉13	16°11	2°50	22°20	18°35	3°26	14°58	17°40	18°40	4°40	5° 3	13° 7	n.a.	T 29
F 30	17 32 54	21♊50'12	19♉24	16♋36	3♌28	22♍53	18♓40	3♊34	14♓58	17♎42	18♐39	4♓31	5♓ 0	13♈14	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n10	14n56	3n56	24n45	1n53	25n27	1n55	8n24	0s 0	7s12	1s26	19n41	0s50	6s54	0s45	17n26	1n33	28s54	5s28	8s55	9s17	6n38		n.a.
F 2	19 24	19 38	4 30	24 54	1 50	25 19	1 52	8 13	0 2	7 9	1 26	19 43	0 50	6 54	0 45	17 26	1 33	28 54	5 29	8 59	9 18	6 42		n.a.
S 3	19 38	23 35	4 52	25 1	1 47	25 11	1 48	8 2	0 4	7 6	1 26	19 44	0 50	6 53	0 45	17 26	1 33	28 54	5 29	9 4	9 19	6 45		n.a.
S 4	19 51	26 33	5 0	25 6	1 42	25 2	1 44	7 51	0 6	7 3	1 27	19 46	0 50	6 53	0 45	17 26	1 33	28 54	5 29	9 9	9 20	6 49		n.a.
M 5	20 5	28 14	4 55	25 9	1 38	24 52	1 40	7 39	0 8	7 0	1 27	19 48	0 50	6 52	0 45	17 25	1 32	28 55	5 29	9 13	9 22	6 52		n.a.
T 6	20 18	28 27	4 34	25 10	1 33	24 42	1 36	7 27	0 10	6 56	1 27	19 50	0 50	6 52	0 45	17 25	1 32	28 55	5 29	9 18	9 23	6 55		n.a.
W 7	20 30	27 8	3 59	25 10	1 27	24 31	1 32	7 16	0 12	6 53	1 27	19 51	0 50	6 51	0 45	17 25	1 32	28 55	5 29	9 21	9 24	6 59		n.a.
T 8	20 42	24 17	3 11	25 8	1 21	24 20	1 27	7 4	0 14	6 50	1 28	19 53	0 50	6 51	0 45	17 25	1 32	28 55	5 29	9 23	9 25	7 2		n.a.
F 9	20 54	20 6	2 12	25 4	1 14	24 9	1 23	6 52	0 16	6 47	1 28	19 55	0 50	6 50	0 45	17 24	1 32	28 55	5 30	9 24	9 26	7 5		n.a.
S 10	21 6	14 49	1 4	24 59	1 7	23 56	1 18	6 39	0 17	6 45	1 28	19 56	0 49	6 50	0 46	17 24	1 32	28 55	5 30	9 25	9 28	7 9		n.a.
S 11	21 17	8 42	0s 8	24 53	1 0	23 44	1 13	6 27	0 19	6 42	1 28	19 58	0 49	6 49	0 46	17 24	1 32	28 55	5 30	9 25	9 29	7 12		n.a.
M12	21 28	2 2	1 22	24 45	0 52	23 31	1 7	6 15	0 21	6 39	1 29	20 0	0 49	6 49	0 46	17 23	1 32	28 55	5 30	9 25	9 30	7 15		n.a.
T 13	21 38	4s49	2 31	24 37	0 44	23 18	1 2	6 2	0 22	6 36	1 29	20 2	0 49	6 48	0 46	17 23	1 32	28 55	5 30	9 25	9 31	7 19		n.a.
W14	21 49	11 31	3 32	24 27	0 35	23 4	0 56	5 49	0 24	6 34	1 29	20 3	0 49	6 48	0 46	17 23	1 32	28 55	5 30	9 27	9 32	7 22		n.a.
T 15	21 58	17 39	4 19	24 16	0 26	22 50	0 50	5 36	0 26	6 31	1 29	20 5	0 49	6 48	0 46	17 22	1 32	28 55	5 30	9 30	9 33	7 25		n.a.
F 16	22 8	22 46	4 49	24 4	0 17	22 35	0 44	5 23	0 27	6 29	1 30	20 7	0 49	6 47	0 46	17 22	1 32	28 55	5 30	9 33	9 35	7 29		n.a.
S 17	22 17	26 25	5 0	23 51	0 7	22 20	0 38	5 10	0 29	6 26	1 30	20 8	0 49	6 47	0 46	17 22	1 32	28 55	5 30	9 37	9 36	7 32		n.a.
S 18	22 25	28 18	4 52	23 37	0s 3	22 5	0 31	4 57	0 31	6 24	1 30	20 10	0 49	6 47	0 46	17 21	1 32	28 55	5 31	9 41	9 37	7 35		n.a.
M19	22 34	28 16	4 26	23 23	0 14	21 49	0 24	4 43	0 32	6 21	1 30	20 11	0 49	6 46	0 46	17 21	1 32	28 55	5 31	9 45	9 38	7 38		n.a.
T 20	22 41	26 30	3 45	23 8	0 25	21 34	0 18	4 30	0 34	6 19	1 31	20 13	0 49	6 46	0 46	17 20	1 32	28 55	5 31	9 49	9 39	7 42		n.a.
W21	22 49	23 17	2 52	22 53	0 36	21 17	0 10	4 16	0 35	6 17	1 31	20 15	0 49	6 46	0 46	17 20	1 32	28 54	5 31	9 51	9 41	7 45		n.a.
T 22	22 56	19 0	1 53	22 37	0 47	21 1	0 3	4 3	0 37	6 15	1 31	20 16	0 49	6 45	0 46	17 20	1 32	28 54	5 31	9 52	9 42	7 48		n.a.
F 23	23 3	14 1	0 50	22 21	0 58	20 44	0s 4	3 49	0 38	6 13	1 32	20 18	0 48	6 45	0 46	17 19	1 32	28 54	5 31	9 53	9 43	7 52		n.a.
S 24	23 9	8 36	0n15	22 4	1 10	20 28	0 12	3 35	0 40	6 11	1 32	20 19	0 48	6 45	0 46	17 19	1 32	28 54	5 31	9 53	9 44	7 55		n.a.
S 25	23 15	2 58	1 17	21 48	1 22	20 11	0 20	3 21	0 41	6 9	1 32	20 21	0 48	6 45	0 46	17 18	1 32	28 54	5 31	9 53	9 45	7 58		n.a.
M26	23 20	2n42	2 16	21 32	1 34	19 53	0 29	3 6	0 42	6 7	1 32	20 23	0 48	6 45	0 46	17 18	1 32	28 54	5 31	9 53	9 47	8 2		n.a.
T 27	23 25	8 15	3 9	21 15	1 47	19 36	0 37	2 52	0 44	6 5	1 33	20 24	0 48	6 45	0 46	17 17	1 32	28 54	5 31	9 54	9 48	8 5		n.a.
W28	23 30	13 33	3 53	20 59	1 59	19 18	0 46	2 38	0 45	6 3	1 33	20 26	0 48	6 44	0 46	17 17	1 32	28 54	5 31	9 56	9 49	8 8		n.a.
T 29	23 34	18 23	4 28	20 43	2 11	19 1	0 55	2 23	0 46	6 1	1 33	20 27	0 48	6 44	0 46	17 17	1 32	28 54	5 32	9 59	9 50	8 12		n.a.
F 30	23n38	22n34	4n51	20n28	2s24	18n43	1s 4	2n 9	0s48	6s 0	1s34	20n29	0s48	6s44	0s46	17n16	1n32	28s54	5s32	10s 2	9s51	8n15		n.a.

Julian Day Number = 1108319.5, Delta T = 10h55m12s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'41, Lahiri = -27°06'40 Julian Calendar 1 June 1679 BCE == Greg. Calendar 18 May 1679 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

JULY 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 36 50	22♊47'48	1♊47	16♋57	4♌ 5	23♍27	18♓44	3♊42	14♓58	17♌43	18°R38	4°R19	4♓57	13♈21	n.a.	S 1
S 2	17 40 47	23°45'26	14°25	17°13	4°40	24° 1	18°49	3°49	14°59	17°45	18♐36	4♓ 7	4°54	13°27	n.a.	S 2
M 3	17 44 44	24°43'06	27°17	17°24	5°15	24°35	18°53	3°57	14°59	17°46	18°35	3°56	4°51	13°34	n.a.	M 3
T 4	17 48 40	25°40'47	10♋23	17°30	5°48	25° 9	18°57	4° 4	14°59	17°48	18°33	3°45	4°47	13°41	n.a.	T 4
W 5	17 52 37	26°38'30	23°42	17°R30	6°19	25°44	19° 1	4°11	14°59	17°49	18°32	3°37	4°44	13°47	n.a.	W 5
T 6	17 56 33	27°36'13	7♌11	17°25	6°49	26°19	19° 4	4°19	14°R59	17°51	18°31	3°32	4°41	13°54	n.a.	T 6
F 7	18 0 30	28°33'59	20°50	17°15	7°18	26°54	19° 8	4°26	14°59	17°52	18°29	3°29	4°38	14° 1	n.a.	F 7
S 8	18 4 26	29°31'45	4♍38	16°58	7°45	27°29	19°11	4°33	14°59	17°54	18°28	3°D29	4°35	14° 7	n.a.	S 8
S 9	18 8 23	0♋29'33	18°34	16°36	8°11	28° 4	19°14	4°41	14°59	17°56	18°27	3°29	4°32	14°14	n.a.	S 9
M10	18 12 19	1°27'22	2♎38	16° 8	8°35	28°40	19°17	4°48	14°59	17°57	18°25	3°R30	4°28	14°21	n.a.	M10
T 11	18 16 16	2°25'13	16°49	15°35	8°57	29°16	19°20	4°55	14°58	17°59	18°24	3°29	4°25	14°27	n.a.	T 11
W12	18 20 13	3°23'04	1♏ 6	14°57	9°18	29°52	19°22	5° 2	14°58	18° 1	18°23	3°26	4°22	14°34	n.a.	W12
T 13	18 24 9	4°20'58	15°25	14°14	9°37	0♎28	19°25	5°10	14°58	18° 2	18°21	3°21	4°19	14°41	n.a.	T 13
F 14	18 28 6	5°18'53	29°44	13°26	9°53	1° 5	19°27	5°17	14°57	18° 4	18°20	3°13	4°16	14°48	n.a.	F 14
S 15	18 32 2	6°16'49	13♐56	12°36	10° 8	1°42	19°29	5°24	14°57	18° 6	18°19	3° 5	4°13	14°54	n.a.	S 15
S 16	18 35 59	7°14'48	27°57	11°42	10°21	2°19	19°31	5°31	14°56	18° 8	18°17	2°55	4° 9	15° 1	n.a.	S 16
M17	18 39 55	8°12'47	11♑43	10°47	10°32	2°56	19°32	5°38	14°56	18° 9	18°16	2°47	4° 6	15° 8	n.a.	M17
T 18	18 43 52	9°10'49	25°10	9°51	10°41	3°33	19°34	5°45	14°55	18°11	18°15	2°40	4° 3	15°14	n.a.	T 18
W19	18 47 49	10° 8'53	8♒16	8°56	10°47	4°10	19°35	5°52	14°55	18°13	18°14	2°35	4° 0	15°21	n.a.	W19
T 20	18 51 45	11° 6'58	21° 1	8° 2	10°52	4°48	19°36	5°59	14°54	18°15	18°12	2°32	3°57	15°28	n.a.	T 20
F 21	18 55 42	12° 5'06	3♓27	7°12	10°R54	5°26	19°37	6° 5	14°53	18°17	18°11	2°D32	3°53	15°34	n.a.	F 21
S 22	18 59 38	13° 3'16	15°37	6°25	10°53	6° 4	19°37	6°12	14°52	18°19	18°10	2°32	3°50	15°41	n.a.	S 22
S 23	19 3 35	14° 1'27	27°35	5°44	10°51	6°42	19°38	6°19	14°52	18°21	18° 9	2°34	3°47	15°48	n.a.	S 23
M24	19 7 31	14°59'41	9♈27	5° 9	10°46	7°20	19°38	6°26	14°51	18°23	18° 7	2°35	3°44	15°54	n.a.	M24
T 25	19 11 28	15°57'58	21°18	4°41	10°39	7°59	19°R38	6°32	14°50	18°25	18° 6	2°R35	3°41	16° 1	n.a.	T 25
W26	19 15 24	16°56'16	3♉12	4°20	10°29	8°37	19°38	6°39	14°49	18°26	18° 5	2°33	3°38	16° 8	n.a.	W26
T 27	19 19 21	17°54'37	15°14	4° 8	10°17	9°16	19°37	6°45	14°48	18°28	18° 4	2°30	3°34	16°14	n.a.	T 27
F 28	19 23 17	18°53'00	27°29	4°D 4	10° 3	9°55	19°37	6°52	14°47	18°30	18° 3	2°25	3°31	16°21	n.a.	F 28
S 29	19 27 14	19°51'25	9♊59	4°10	9°46	10°34	19°36	6°58	14°46	18°32	18° 2	2°18	3°28	16°28	n.a.	S 29
S 30	19 31 11	20°49'53	22°48	4°24	9°27	11°14	19°35	7° 5	14°45	18°34	18° 0	2°11	3°25	16°34	n.a.	S 30
M31	19 35 7	21♋48'22	5♋55	4♋47	9♌ 6	11♎53	19♓34	7♊11	14♓44	18♌37	17♐59	2♓ 4	3♓22	16♈41	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n42	25n49	5n 1	20n13	2s36	18n25	1s13	1n54	0s49	5s58	1s34	20n30	0s48	6s44	0s46	17n16	1n32	28s54	5s32	10s 6	9s52	8n18		n.a.
S 2	23 44	27 52	4 57	19 59	2 48	18 7	1 23	1 39	0 50	5 57	1 34	20 32	0 48	6 44	0 46	17 15	1 31	28 54	5 32	10 11	9 54	8 21		n.a.
M 3	23 47	28 29	4 37	19 45	3 0	17 49	1 33	1 24	0 52	5 55	1 34	20 33	0 48	6 44	0 46	17 15	1 31	28 54	5 32	10 15	9 55	8 25		n.a.
T 4	23 49	27 31	4 3	19 33	3 12	17 31	1 43	1 9	0 53	5 54	1 35	20 35	0 48	6 44	0 46	17 14	1 31	28 54	5 32	10 19	9 56	8 28		n.a.
W 5	23 51	24 58	3 15	19 21	3 24	17 14	1 53	0 54	0 54	5 53	1 35	20 36	0 48	6 44	0 46	17 14	1 31	28 54	5 32	10 22	9 57	8 31		n.a.
T 6	23 52	21 0	2 15	19 11	3 34	16 56	2 3	0 39	0 55	5 51	1 35	20 38	0 48	6 44	0 46	17 13	1 31	28 54	5 32	10 24	9 58	8 35		n.a.
F 7	23 53	15 52	1 7	19 3	3 45	16 38	2 14	0 24	0 56	5 50	1 36	20 39	0 48	6 44	0 46	17 13	1 31	28 54	5 32	10 25	10 0	8 38		n.a.
S 8	23 53	9 54	0s 6	18 55	3 54	16 20	2 25	0 9	0 58	5 49	1 36	20 40	0 48	6 44	0 47	17 12	1 31	28 54	5 32	10 25	10 1	8 41		n.a.
S 9	23 53	3 23	1 20	18 49	4 3	16 3	2 36	0s 7	0 59	5 48	1 36	20 42	0 48	6 44	0 47	17 11	1 31	28 53	5 32	10 25	10 2	8 44		n.a.
M10	23 53	3s20	2 29	18 45	4 11	15 46	2 48	0 22	1 0	5 47	1 36	20 43	0 47	6 44	0 47	17 11	1 31	28 53	5 32	10 25	10 3	8 48		n.a.
T 11	23 52	9 57	3 30	18 43	4 17	15 29	2 59	0 38	1 1	5 47	1 37	20 45	0 47	6 45	0 47	17 10	1 31	28 53	5 32	10 25	10 4	8 51		n.a.
W12	23 51	16 5	4 18	18 42	4 22	15 12	3 11	0 54	1 2	5 46	1 37	20 46	0 47	6 45	0 47	17 10	1 31	28 53	5 32	10 26	10 5	8 54		n.a.
T 13	23 49	21 23	4 50	18 43	4 26	14 55	3 23	1 9	1 3	5 45	1 37	20 47	0 47	6 45	0 47	17 9	1 31	28 53	5 32	10 28	10 7	8 57		n.a.
F 14	23 47	25 25	5 4	18 46	4 27	14 39	3 35	1 25	1 4	5 45	1 38	20 49	0 47	6 45	0 47	17 9	1 31	28 53	5 32	10 31	10 8	9 1		n.a.
S 15	23 44	27 51	4 59	18 51	4 28	14 23	3 48	1 41	1 5	5 44	1 38	20 50	0 47	6 45	0 47	17 8	1 31	28 53	5 32	10 34	10 9	9 4		n.a.
S 16	23 41	28 29	4 37	18 57	4 26	14 7	4 0	1 57	1 6	5 44	1 38	20 51	0 47	6 45	0 47	17 8	1 31	28 53	5 32	10 37	10 10	9 7		n.a.
M17	23 38	27 19	3 58	19 5	4 22	13 52	4 13	2 13	1 7	5 43	1 39	20 53	0 47	6 46	0 47	17 7	1 31	28 53	5 32	10 41	10 11	9 10		n.a.
T 18	23 34	24 34	3 7	19 15	4 16	13 38	4 26	2 29	1 8	5 43	1 39	20 54	0 47	6 46	0 47	17 6	1 31	28 53	5 32	10 43	10 13	9 14		n.a.
W19	23 30	20 35	2 7	19 27	4 9	13 23	4 39	2 45	1 9	5 43	1 39	20 55	0 47	6 46	0 47	17 6	1 31	28 53	5 32	10 45	10 14	9 17		n.a.
T 20	23 25	15 44	1 2	19 40	3 59	13 10	4 52	3 1	1 10	5 43	1 39	20 56	0 47	6 47	0 47	17 5	1 31	28 52	5 32	10 46	10 15	9 20		n.a.
F 21	23 20	10 21	0n 5	19 54	3 48	12 57	5 5	3 17	1 11	5 43	1 40	20 58	0 47	6 47	0 47	17 5	1 31	28 52	5 32	10 46	10 16	9 23		n.a.
S 22	23 14	4 42	1 10	20 9	3 35	12 44	5 18	3 33	1 12	5 43	1 40	20 59	0 47	6 47	0 47	17 4	1 31	28 52	5 32	10 46	10 17	9 27		n.a.
S 23	23 8	1n 1	2 11	20 25	3 21	12 32	5 31	3 49	1 13	5 43	1 40	21 0	0 47	6 48	0 47	17 3	1 31	28 52	5 32	10 45	10 18	9 30		n.a.
M24	23 2	6 39	3 6	20 42	3 6	12 21	5 44	4 5	1 14	5 43	1 41	21 1	0 47	6 48	0 47	17 3	1 31	28 52	5 32	10 45	10 20	9 33		n.a.
T 25	22 55	12 2	3 53	20 59	2 49	12 11	5 57	4 22	1 15	5 43	1 41	21 3	0 47	6 48	0 47	17 2	1 31	28 52	5 32	10 45	10 21	9 36		n.a.
W26	22 48	17 1	4 30	21 17	2 32	12 1	6 10	4 38	1 15	5 44	1 41	21 4	0 47	6 49	0 47	17 1	1 31	28 52	5 32	10 46	10 22	9 40		n.a.
T 27	22 40	21 24	4 55	21 35	2 14	11 52	6 22	4 54	1 16	5 44	1 41	21 5	0 47	6 49	0 47	17 1	1 31	28 52	5 32	10 47	10 23	9 43		n.a.
F 28	22 32	24 57	5 8	21 54	1 56	11 44	6 35	5 11	1 17	5 45	1 42	21 6	0 47	6 50	0 47	17 0	1 31	28 52	5 32	10 49	10 24	9 46		n.a.
S 29	22 23	27 25	5 6	22 11	1 38	11 36	6 47	5 27	1 18	5 45	1 42	21 7	0 47	6 50	0 47	16 59	1 31	28 51	5 32	10 51	10 25	9 49		n.a.
S 30	22 15	28 30	4 49	22 29	1 20	11 30	6 59	5 44	1 19	5 46	1 42	21 8	0 47	6 51	0 47	16 59	1 31	28 51	5 32	10 54	10 27	9 53		n.a.
M31	22n 5	28n 2	4n17	22n46	1s 2	11n24	7s10	6s 0	1s19	5s47	1s43	21n 9	0s47	6s51	0s47	16n58	1n31	28s51	5s32	10s56	10s28	9n56		n.a.

Julian Day Number = 1108349.5, Delta T = 10h55m10s
Ecliptic obliquity = 23°53'32, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'37, Lahiri = -27°06'36 Julian Calendar 1 July 1679 BCE == Greg. Calendar 17 June 1679 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

AUGUST 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 39 4	22♋46'54	19♋21	5♋20	8°R43	12♎33	19°R32	7♊17	14°R42	18♏39	17°R58	1°R58	3♓19	16♈48	n.a.	T 1
W 2	19 43 0	23°45'28	3♏ 3	6° 0	8♏18	13°13	19♓31	7°23	14♓41	18°41	17♐57	1♓53	3°15	16°55	n.a.	W 2
T 3	19 46 57	24°44'04	16°57	6°50	7°51	13°52	19°29	7°30	14°40	18°43	17°56	1°50	3°12	17° 1	n.a.	T 3
F 4	19 50 53	25°42'42	1♍ 1	7°46	7°22	14°33	19°27	7°36	14°38	18°45	17°55	1°D49	3° 9	17° 8	n.a.	F 4
S 5	19 54 50	26°41'21	15°12	8°50	6°51	15°13	19°25	7°42	14°37	18°47	17°54	1°50	3° 6	17°15	n.a.	S 5
S 6	19 58 46	27°40'03	29°25	10° 1	6°19	15°53	19°22	7°48	14°36	18°49	17°53	1°51	3° 3	17°21	n.a.	S 6
M 7	20 2 43	28°38'46	13♎39	11°18	5°45	16°34	19°20	7°54	14°34	18°51	17°52	1°53	2°59	17°28	n.a.	M 7
T 8	20 6 40	29°37'32	27°51	12°41	5°11	17°14	19°17	7°59	14°33	18°53	17°51	1°R53	2°56	17°35	n.a.	T 8
W 9	20 10 36	0♏36'19	11♏59	14° 8	4°36	17°55	19°14	8° 5	14°31	18°55	17°50	1°53	2°53	17°41	n.a.	W 9
T 10	20 14 33	1°35'08	26° 2	15°40	3°59	18°36	19°11	8°11	14°29	18°58	17°49	1°51	2°50	17°48	n.a.	T 10
F 11	20 18 29	2°33'59	9♐57	17°15	3°23	19°17	19° 7	8°16	14°28	19° 0	17°48	1°48	2°47	17°55	n.a.	F 11
S 12	20 22 26	3°32'52	23°42	18°54	2°46	19°58	19° 4	8°22	14°26	19° 2	17°47	1°44	2°44	18° 1	n.a.	S 12
S 13	20 26 22	4°31'47	7♑16	20°35	2°10	20°39	19° 0	8°27	14°24	19° 4	17°47	1°40	2°40	18° 8	n.a.	S 13
M14	20 30 19	5°30'44	20°37	22°19	1°33	21°21	18°56	8°33	14°23	19° 6	17°46	1°36	2°37	18°15	n.a.	M14
T 15	20 34 15	6°29'43	3♒42	24° 4	0°58	22° 2	18°52	8°38	14°21	19° 8	17°45	1°32	2°34	18°21	n.a.	T 15
W16	20 38 12	7°28'44	16°32	25°51	0°23	22°44	18°48	8°43	14°19	19°11	17°44	1°30	2°31	18°28	n.a.	W16
T 17	20 42 8	8°27'47	29° 6	27°38	29♋49	23°25	18°43	8°49	14°17	19°13	17°43	1°D29	2°28	18°35	n.a.	T 17
F 18	20 46 5	9°26'53	11♓25	29°26	29°16	24° 7	18°39	8°54	14°15	19°15	17°43	1°30	2°25	18°41	n.a.	F 18
S 19	20 50 2	10°26'01	23°32	1♏15	28°45	24°49	18°34	8°59	14°14	19°17	17°42	1°31	2°21	18°48	n.a.	S 19
S 20	20 53 58	11°25'11	5♈29	3° 4	28°15	25°31	18°29	9° 4	14°12	19°19	17°41	1°33	2°18	18°55	n.a.	S 20
M21	20 57 55	12°24'24	17°21	4°53	27°47	26°13	18°24	9° 9	14°10	19°22	17°41	1°34	2°15	19° 2	n.a.	M21
T 22	21 1 51	13°23'39	29°11	6°41	27°21	26°56	18°18	9°13	14° 8	19°24	17°40	1°35	2°12	19° 8	n.a.	T 22
W23	21 5 48	14°22'57	11♉ 5	8°29	26°57	27°38	18°13	9°18	14° 6	19°26	17°39	1°R36	2° 9	19°15	n.a.	W23
T 24	21 9 44	15°22'17	23° 6	10°17	26°35	28°21	18° 7	9°23	14° 4	19°28	17°39	1°36	2° 5	19°22	n.a.	T 24
F 25	21 13 41	16°21'40	5♊20	12° 5	26°16	29° 3	18° 2	9°27	14° 1	19°31	17°38	1°35	2° 2	19°28	n.a.	F 25
S 26	21 17 37	17°21'06	17°52	13°52	25°58	29°46	17°56	9°32	13°59	19°33	17°37	1°33	1°59	19°35	n.a.	S 26
S 27	21 21 34	18°20'33	0♋43	15°38	25°43	0♏29	17°50	9°36	13°57	19°35	17°37	1°32	1°56	19°42	n.a.	S 27
M28	21 25 30	19°20'04	13°58	17°24	25°31	1°11	17°43	9°40	13°55	19°37	17°36	1°30	1°53	19°48	n.a.	M28
T 29	21 29 27	20°19'36	27°35	19° 9	25°21	1°54	17°37	9°44	13°53	19°40	17°36	1°28	1°50	19°55	n.a.	T 29
W30	21 33 24	21°19'11	11♏34	20°53	25°13	2°38	17°30	9°49	13°51	19°42	17°35	1°27	1°46	20° 2	n.a.	W30
T 31	21 37 20	22♏18'48	25♏51	22♏36	25♋ 8	3♏21	17♓24	9♊53	13♓48	19♏44	17♐35	1°D27	1♓43	20♈ 8	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21n56	25n56	3n30	23n 2	0s45	11n20	7s21	6s16	1s20	5s47	1s43	21n10	0s47	6s52	0s47	16n57	1n31	28s51	5s32	10s59	10s29	9n59			n.a.
W 2	21 45	22 17	2 30	23 17	0 28	11 16	7 32	6 33	1 21	5 48	1 43	21 11	0 47	6 52	0 47	16 57	1 31	28 51	5 32	11 0	10 30	10 2			n.a.
T 3	21 35	17 19	1 20	23 30	0 12	11 13	7 42	6 49	1 22	5 49	1 43	21 13	0 47	6 53	0 47	16 56	1 31	28 51	5 32	11 1	10 31	10 5			n.a.
F 4	21 24	11 23	0 4	23 42	0n 3	11 11	7 51	7 6	1 22	5 50	1 44	21 14	0 46	6 53	0 47	16 55	1 31	28 51	5 32	11 2	10 32	10 9			n.a.
S 5	21 13	4 50	1s12	23 52	0 17	11 10	8 0	7 22	1 23	5 51	1 44	21 15	0 46	6 54	0 47	16 55	1 31	28 51	5 32	11 1	10 34	10 12			n.a.
S 6	21 1	1s58	2 25	24 0	0 30	11 10	8 8	7 39	1 24	5 53	1 44	21 16	0 46	6 54	0 47	16 54	1 31	28 51	5 32	11 1	10 35	10 15			n.a.
M 7	20 49	8 41	3 29	24 6	0 42	11 11	8 16	7 55	1 24	5 54	1 45	21 17	0 46	6 55	0 48	16 53	1 31	28 50	5 32	11 0	10 36	10 18			n.a.
T 8	20 37	14 56	4 19	24 10	0 54	11 13	8 22	8 12	1 25	5 55	1 45	21 18	0 46	6 56	0 48	16 53	1 31	28 50	5 32	11 0	10 37	10 21			n.a.
W 9	20 24	20 22	4 54	24 11	1 4	11 15	8 28	8 28	1 26	5 57	1 45	21 19	0 46	6 56	0 48	16 52	1 31	28 50	5 32	11 0	10 38	10 25			n.a.
T 10	20 11	24 39	5 11	24 10	1 13	11 19	8 33	8 45	1 26	5 58	1 45	21 19	0 46	6 57	0 48	16 51	1 31	28 50	5 32	11 1	10 39	10 28			n.a.
F 11	19 57	27 28	5 10	24 6	1 21	11 23	8 37	9 1	1 27	6 0	1 46	21 20	0 46	6 57	0 48	16 51	1 31	28 50	5 32	11 2	10 41	10 31			n.a.
S 12	19 44	28 34	4 50	23 59	1 28	11 29	8 40	9 18	1 27	6 1	1 46	21 21	0 46	6 58	0 48	16 50	1 31	28 50	5 32	11 4	10 42	10 34			n.a.
S 13	19 29	27 56	4 15	23 50	1 34	11 35	8 42	9 34	1 28	6 3	1 46	21 22	0 46	6 59	0 48	16 49	1 31	28 50	5 32	11 5	10 43	10 37			n.a.
M14	19 15	25 40	3 26	23 38	1 39	11 41	8 43	9 51	1 29	6 5	1 46	21 23	0 46	7 0	0 48	16 49	1 31	28 50	5 32	11 7	10 44	10 41			n.a.
T 15	19 0	22 4	2 27	23 24	1 43	11 49	8 43	10 7	1 29	6 7	1 47	21 24	0 46	7 0	0 48	16 48	1 31	28 49	5 32	11 8	10 45	10 44			n.a.
W16	18 45	17 28	1 21	23 7	1 47	11 57	8 42	10 23	1 30	6 9	1 47	21 25	0 46	7 1	0 48	16 47	1 31	28 49	5 32	11 8	10 46	10 47			n.a.
T 17	18 29	12 13	0 13	22 48	1 49	12 6	8 40	10 39	1 30	6 11	1 47	21 26	0 46	7 2	0 48	16 46	1 31	28 49	5 32	11 9	10 48	10 50			n.a.
F 18	18 14	6 35	0n54	22 27	1 51	12 15	8 38	10 56	1 31	6 13	1 47	21 26	0 46	7 2	0 48	16 46	1 31	28 49	5 32	11 9	10 49	10 53			n.a.
S 19	17 57	0 48	1 59	22 4	1 52	12 24	8 34	11 12	1 31	6 15	1 48	21 27	0 46	7 3	0 48	16 45	1 31	28 49	5 32	11 8	10 50	10 56			n.a.
S 20	17 41	4n55	2 57	21 39	1 52	12 34	8 30	11 28	1 32	6 17	1 48	21 28	0 46	7 4	0 48	16 44	1 31	28 49	5 32	11 8	10 51	11 0			n.a.
M21	17 24	10 25	3 47	21 13	1 52	12 45	8 25	11 44	1 32	6 19	1 48	21 29	0 46	7 5	0 48	16 44	1 31	28 49	5 32	11 7	10 52	11 3			n.a.
T 22	17 7	15 32	4 27	20 44	1 51	12 55	8 19	12 0	1 33	6 22	1 48	21 30	0 46	7 6	0 48	16 43	1 31	28 49	5 32	11 7	10 53	11 6			n.a.
W23	16 50	20 7	4 56	20 14	1 49	13 6	8 13	12 16	1 33	6 24	1 48	21 30	0 46	7 6	0 48	16 42	1 31	28 48	5 32	11 6	10 55	11 9			n.a.
T 24	16 32	23 56	5 13	19 43	1 47	13 17	8 6	12 32	1 33	6 26	1 49	21 31	0 46	7 7	0 48	16 41	1 31	28 48	5 32	11 6	10 56	11 12			n.a.
F 25	16 14	26 46	5 15	19 10	1 45	13 28	7 58	12 48	1 34	6 29	1 49	21 32	0 46	7 8	0 48	16 41	1 31	28 48	5 32	11 7	10 57	11 15			n.a.
S 26	15 56	28 22	5 3	18 36	1 42	13 40	7 50	13 4	1 34	6 31	1 49	21 33	0 46	7 9	0 48	16 40	1 31	28 48	5 31	11 7	10 58	11 19			n.a.
S 27	15 37	28 30	4 36	18 1	1 38	13 51	7 41	13 20	1 35	6 34	1 49	21 33	0 46	7 10	0 48	16 39	1 31	28 48	5 31	11 8	10 59	11 22			n.a.
M28	15 18	27 1	3 54	17 25	1 35	14 2	7 32	13 35	1 35	6 37	1 49	21 34	0 46	7 11	0 48	16 39	1 31	28 48	5 31	11 9	11 0	11 25			n.a.
T 29	14 59	23 55	2 57	16 48	1 30	14 13	7 22	13 51	1 35	6 39	1 49	21 35	0 46	7 12	0 48	16 38	1 31	28 48	5 31	11 9	11 1	11 28			n.a.
W30	14 40	19 22	1 48	16 10	1 26	14 24	7 13	14 6	1 36	6 42	1 50	21 35	0 46	7 12	0 48	16 37	1 31	28 48	5 31	11 10	11 3	11 31			n.a.
T 31	14n20	13n37	0n31	15n31	1n21	14n35	7s 2	14s22	1s36	6s45	1s50	21n36	0s46	7s13	0s48	16n37	1n31	28s48	5s31	11s10	11s 4	11n34			n.a.

Julian Day Number = 1108380.5, Delta T = 10h55m08s
Ecliptic obliquity = 23°53'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'32, Lahiri = -27°06'32 Julian Calendar 1 Aug. 1679 BCE == Greg. Calendar 18 July 1679 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

SEPTEMBER 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 41 17	23♌18'27	10♍22	24♌19	25°R 5	4♏ 4	17°R17	9♊57	13°R46	19♌46	17°R35	1♓27	1♓40	20♈15	n.a.	F 1
S 2	21 45 13	24°18'08	25° 1	26° 1	25°D 5	4°47	17♓10	10° 0	13♓44	19°49	17♐34	1°27	1°37	20°22	n.a.	S 2
S 3	21 49 10	25°17'52	9♎40	27°43	25♋ 7	5°31	17° 3	10° 4	13°42	19°51	17°34	1°28	1°34	20°28	n.a.	S 3
M 4	21 53 6	26°17'37	24°15	29°24	25°11	6°14	16°56	10° 8	13°39	19°53	17°34	1°29	1°31	20°35	n.a.	M 4
T 5	21 57 3	27°17'24	8♏40	1♍ 4	25°18	6°58	16°49	10°11	13°37	19°55	17°33	1°29	1°27	20°42	n.a.	T 5
W 6	22 0 59	28°17'13	22°52	2°43	25°27	7°42	16°41	10°15	13°35	19°57	17°33	1°R29	1°24	20°49	n.a.	W 6
T 7	22 4 56	29°17'04	6♐49	4°22	25°38	8°25	16°34	10°18	13°32	20° 0	17°33	1°29	1°21	20°55	n.a.	T 7
F 8	22 8 52	0♍16'57	20°30	6° 0	25°51	9° 9	16°26	10°21	13°30	20° 2	17°33	1°29	1°18	21° 2	n.a.	F 8
S 9	22 12 49	1°16'51	3♑56	7°37	26° 6	9°53	16°19	10°24	13°27	20° 4	17°32	1°D29	1°15	21° 9	n.a.	S 9
S 10	22 16 46	2°16'48	17° 6	9°14	26°23	10°37	16°11	10°27	13°25	20° 6	17°32	1°29	1°11	21°15	n.a.	S 10
M11	22 20 42	3°16'46	0♒ 2	10°51	26°43	11°21	16° 3	10°30	13°23	20° 8	17°32	1°29	1° 8	21°22	n.a.	M11
T 12	22 24 39	4°16'46	12°45	12°26	27° 4	12° 5	15°56	10°33	13°20	20°11	17°32	1°29	1° 5	21°29	n.a.	T 12
W13	22 28 35	5°16'48	25°16	14° 1	27°27	12°49	15°48	10°36	13°18	20°13	17°32	1°R29	1° 2	21°35	n.a.	W13
T 14	22 32 32	6°16'52	7♓35	15°36	27°52	13°34	15°40	10°39	13°15	20°15	17°32	1°29	0°59	21°42	n.a.	T 14
F 15	22 36 28	7°16'58	19°44	17°10	28°18	14°18	15°32	10°41	13°13	20°17	17°D32	1°29	0°56	21°49	n.a.	F 15
S 16	22 40 25	8°17'06	1♈45	18°43	28°46	15° 2	15°24	10°44	13°10	20°19	17°32	1°29	0°52	21°55	n.a.	S 16
S 17	22 44 21	9°17'16	13°39	20°16	29°16	15°47	15°16	10°46	13° 8	20°21	17°32	1°28	0°49	22° 2	n.a.	S 17
M18	22 48 18	10°17'29	25°30	21°49	29°48	16°31	15° 8	10°48	13° 5	20°24	17°32	1°26	0°46	22° 9	n.a.	M18
T 19	22 52 15	11°17'43	7♉20	23°21	0♌20	17°16	14°59	10°50	13° 3	20°26	17°32	1°25	0°43	22°16	n.a.	T 19
W20	22 56 11	12°18'00	19°13	24°53	0°55	18° 0	14°51	10°52	13° 1	20°28	17°32	1°24	0°40	22°22	n.a.	W20
T 21	23 0 8	13°18'19	1♊13	26°24	1°30	18°45	14°43	10°54	12°58	20°30	17°32	1°23	0°36	22°29	n.a.	T 21
F 22	23 4 4	14°18'40	13°24	27°54	2° 8	19°30	14°35	10°56	12°56	20°32	17°32	1°D22	0°33	22°36	n.a.	F 22
S 23	23 8 1	15°19'04	25°50	29°25	2°46	20°15	14°27	10°58	12°53	20°34	17°33	1°23	0°30	22°42	n.a.	S 23
S 24	23 11 57	16°19'29	8♋37	0♎54	3°26	20°59	14°19	10°59	12°51	20°36	17°33	1°24	0°27	22°49	n.a.	S 24
M25	23 15 54	17°19'57	21°48	2°24	4° 6	21°44	14°10	11° 1	12°48	20°38	17°33	1°25	0°24	22°56	n.a.	M25
T 26	23 19 50	18°20'26	5♌24	3°52	4°48	22°29	14° 2	11° 2	12°46	20°40	17°33	1°26	0°21	23° 2	n.a.	T 26
W27	23 23 47	19°20'58	19°28	5°21	5°32	23°14	13°54	11° 3	12°43	20°42	17°34	1°27	0°17	23° 9	n.a.	W27
T 28	23 27 43	20°21'32	3♍56	6°48	6°16	23°59	13°46	11° 4	12°41	20°44	17°34	1°R27	0°14	23°16	n.a.	T 28
F 29	23 31 40	21°22'07	18°45	8°16	7° 1	24°44	13°38	11° 5	12°38	20°46	17°34	1°27	0°11	23°23	n.a.	F 29
S 30	23 35 37	22♍22'44	3♎46	9♎42	7♌47	25♏30	13♓30	11♊ 6	12♓36	20♌48	17♐35	1♓25	0♓ 8	23♈29	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14n 0	7n 4	0s49	14n52	1n16	14n46	6s52	14s37	1s36	6s48	1s50	21n36	0s46	7s14	0s48	16n36	1n31	28s47	5s31	11s10	11s 5	11n37		n.a.
S 2	13 40	0 5	2 7	14 12	1 11	14 57	6 41	14 52	1 36	6 51	1 50	21 37	0 46	7 15	0 48	16 35	1 31	28 47	5 31	11 10	11 6	11 41		n.a.
S 3	13 20	6s54	3 17	13 31	1 6	15 7	6 30	15 7	1 37	6 53	1 50	21 38	0 46	7 16	0 48	16 34	1 31	28 47	5 31	11 9	11 7	11 44		n.a.
M 4	12 59	13 29	4 13	12 50	1 0	15 17	6 19	15 22	1 37	6 56	1 50	21 38	0 46	7 17	0 48	16 34	1 31	28 47	5 31	11 9	11 8	11 47		n.a.
T 5	12 39	19 16	4 53	12 9	0 55	15 27	6 8	15 37	1 37	6 59	1 50	21 39	0 46	7 18	0 48	16 33	1 31	28 47	5 31	11 9	11 10	11 50		n.a.
W 6	12 18	23 53	5 14	11 27	0 49	15 36	5 57	15 52	1 37	7 2	1 50	21 39	0 46	7 19	0 48	16 32	1 31	28 47	5 31	11 9	11 11	11 53		n.a.
T 7	11 56	27 3	5 16	10 45	0 43	15 45	5 46	16 7	1 38	7 5	1 51	21 40	0 46	7 20	0 48	16 32	1 31	28 47	5 31	11 9	11 12	11 56		n.a.
F 8	11 35	28 32	5 0	10 3	0 37	15 54	5 35	16 22	1 38	7 9	1 51	21 40	0 46	7 21	0 48	16 31	1 31	28 47	5 31	11 9	11 13	11 59		n.a.
S 9	11 13	28 18	4 28	9 20	0 30	16 2	5 23	16 36	1 38	7 12	1 51	21 41	0 46	7 22	0 48	16 30	1 31	28 47	5 31	11 9	11 14	12 2		n.a.
S 10	10 52	26 27	3 42	8 37	0 24	16 10	5 12	16 50	1 38	7 15	1 51	21 41	0 46	7 23	0 48	16 29	1 31	28 47	5 30	11 9	11 15	12 5		n.a.
M11	10 30	23 13	2 46	7 54	0 17	16 18	5 1	17 5	1 38	7 18	1 51	21 41	0 46	7 23	0 48	16 29	1 31	28 47	5 30	11 9	11 16	12 9		n.a.
T 12	10 7	18 56	1 42	7 11	0 11	16 25	4 49	17 19	1 39	7 21	1 51	21 42	0 46	7 24	0 48	16 28	1 31	28 46	5 30	11 9	11 18	12 12		n.a.
W13	9 45	13 53	0 35	6 28	0 4	16 31	4 38	17 33	1 39	7 24	1 51	21 42	0 46	7 25	0 48	16 27	1 31	28 46	5 30	11 9	11 19	12 15		n.a.
T 14	9 23	8 22	0n34	5 45	0s 2	16 37	4 27	17 47	1 39	7 27	1 51	21 43	0 46	7 26	0 48	16 27	1 31	28 46	5 30	11 9	11 20	12 18		n.a.
F 15	9 0	2 37	1 39	5 1	0 9	16 43	4 16	18 0	1 39	7 30	1 51	21 43	0 46	7 27	0 48	16 26	1 31	28 46	5 30	11 9	11 21	12 21		n.a.
S 16	8 37	3n 9	2 40	4 18	0 16	16 48	4 5	18 14	1 39	7 34	1 51	21 43	0 46	7 28	0 48	16 25	1 31	28 46	5 30	11 9	11 22	12 24		n.a.
S 17	8 14	8 45	3 33	3 35	0 22	16 52	3 54	18 27	1 39	7 37	1 51	21 44	0 46	7 29	0 48	16 25	1 31	28 46	5 30	11 9	11 23	12 27		n.a.
M18	7 51	14 1	4 17	2 52	0 29	16 56	3 44	18 40	1 39	7 40	1 51	21 44	0 46	7 30	0 48	16 24	1 31	28 46	5 30	11 10	11 24	12 30		n.a.
T 19	7 28	18 46	4 49	2 9	0 36	17 0	3 33	18 54	1 39	7 43	1 51	21 44	0 46	7 31	0 48	16 23	1 31	28 46	5 30	11 10	11 26	12 33		n.a.
W20	7 4	22 48	5 9	1 26	0 42	17 3	3 22	19 6	1 39	7 46	1 51	21 45	0 46	7 32	0 48	16 23	1 31	28 46	5 30	11 11	11 27	12 36		n.a.
T 21	6 41	25 57	5 16	0 43	0 49	17 5	3 12	19 19	1 40	7 50	1 51	21 45	0 46	7 33	0 48	16 22	1 31	28 46	5 30	11 11	11 28	12 39		n.a.
F 22	6 17	27 57	5 10	0 0	0 55	17 7	3 2	19 32	1 40	7 53	1 51	21 45	0 46	7 34	0 48	16 21	1 31	28 46	5 29	11 11	11 29	12 42		n.a.
S 23	5 54	28 38	4 48	0s42	1 2	17 8	2 52	19 44	1 40	7 56	1 51	21 46	0 46	7 35	0 48	16 21	1 31	28 46	5 29	11 11	11 30	12 45		n.a.
S 24	5 30	27 48	4 12	1 25	1 8	17 8	2 42	19 57	1 40	7 59	1 51	21 46	0 46	7 36	0 48	16 20	1 31	28 46	5 29	11 11	11 31	12 49		n.a.
M25	5 6	25 25	3 22	2 6	1 15	17 8	2 32	20 9	1 40	8 2	1 51	21 46	0 46	7 37	0 48	16 19	1 31	28 46	5 29	11 10	11 32	12 52		n.a.
T 26	4 42	21 31	2 19	2 48	1 21	17 7	2 22	20 21	1 40	8 5	1 51	21 46	0 46	7 38	0 48	16 19	1 31	28 45	5 29	11 10	11 34	12 55		n.a.
W27	4 18	16 18	1 6	3 29	1 27	17 6	2 13	20 32	1 40	8 9	1 51	21 46	0 46	7 39	0 48	16 18	1 31	28 45	5 29	11 10	11 35	12 58		n.a.
T 28	3 53	10 2	0s14	4 10	1 33	17 4	2 4	20 44	1 40	8 12	1 50	21 47	0 46	7 40	0 48	16 18	1 31	28 45	5 29	11 10	11 36	13 1		n.a.
F 29	3 29	3 6	1 34	4 51	1 39	17 1	1 54	20 55	1 40	8 15	1 50	21 47	0 46	7 41	0 48	16 17	1 31	28 45	5 29	11 10	11 37	13 4		n.a.
S 30	3n 5	4s 6	2s49	5s30	1s44	16n58	1s45	21s 6	1s39	8s18	1s50	21n47	0s45	7s42	0s48	16n16	1n31	28s45	5s29	11s10	11s38	13n 7		n.a.

Julian Day Number = 1108411.5, Delta T = 10h55m06s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'28, Lahiri = -27°06'28 Julian Calendar 1 Sept. 1679 BCE == Greg. Calendar 18 Aug. 1679 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

OCTOBER 1679 BCE (-1678) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 39 33	23♍23'23	18♎52	11♎ 8	8♌34	26♏15	13°R22	11♊ 7	12°R34	20♌50	17♐35	1°R22	0♓ 5	23♈36	n.a.	S 1
M 2	23 43 30	24°24'03	3♏52	12°33	9°22	27° 0	13♓14	11° 8	12♓31	20°52	17°36	1♓19	0° 2	23°43	n.a.	M 2
T 3	23 47 26	25°24'45	18°39	13°58	10°11	27°45	13° 6	11° 8	12°29	20°54	17°36	1°16	29♒58	23°49	n.a.	T 3
W 4	23 51 23	26°25'28	3♐ 6	15°22	11° 1	28°31	12°59	11° 9	12°26	20°56	17°37	1°13	29°55	23°56	n.a.	W 4
T 5	23 55 19	27°26'12	17°10	16°45	11°51	29°16	12°51	11° 9	12°24	20°58	17°37	1°12	29°52	24° 3	n.a.	T 5
F 6	23 59 16	28°26'58	0♑50	18° 7	12°43	0♐ 1	12°43	11° 9	12°22	21° 0	17°38	1°D11	29°49	24° 9	n.a.	F 6
S 7	0 3 12	29°27'45	14° 7	19°28	13°35	0°47	12°36	11°R10	12°19	21° 2	17°39	1°12	29°46	24°16	n.a.	S 7
S 8	0 7 9	0♎28'33	27° 3	20°47	14°28	1°32	12°29	11°10	12°17	21° 4	17°39	1°14	29°42	24°23	n.a.	S 8
M 9	0 11 6	1°29'23	9♒43	22° 5	15°21	2°18	12°21	11° 9	12°15	21° 5	17°40	1°15	29°39	24°30	n.a.	M 9
T 10	0 15 2	2°30'13	22° 8	23°22	16°16	3° 3	12°14	11° 9	12°12	21° 7	17°40	1°17	29°36	24°36	n.a.	T 10
W11	0 18 59	3°31'05	4♓22	24°37	17°10	3°49	12° 7	11° 9	12°10	21° 9	17°41	1°R17	29°33	24°43	n.a.	W11
T 12	0 22 55	4°31'58	16°27	25°50	18° 6	4°34	12° 0	11° 8	12° 8	21°11	17°42	1°16	29°30	24°50	n.a.	T 12
F 13	0 26 52	5°32'52	28°26	27° 0	19° 2	5°20	11°53	11° 8	12° 6	21°12	17°43	1°13	29°27	24°56	n.a.	F 13
S 14	0 30 48	6°33'48	10♈21	28° 8	19°59	6° 6	11°46	11° 7	12° 3	21°14	17°43	1° 8	29°23	25° 3	n.a.	S 14
S 15	0 34 45	7°34'45	22°13	29°13	20°56	6°51	11°40	11° 6	12° 1	21°16	17°44	1° 2	29°20	25°10	n.a.	S 15
M16	0 38 41	8°35'43	4♉ 4	0♏14	21°54	7°37	11°33	11° 5	11°59	21°17	17°45	0°55	29°17	25°16	n.a.	M16
T 17	0 42 38	9°36'42	15°55	1°12	22°53	8°23	11°27	11° 4	11°57	21°19	17°46	0°47	29°14	25°23	n.a.	T 17
W18	0 46 35	10°37'43	27°50	2° 5	23°51	9° 8	11°21	11° 3	11°55	21°21	17°47	0°40	29°11	25°30	n.a.	W18
T 19	0 50 31	11°38'45	9♊51	2°53	24°51	9°54	11°15	11° 2	11°53	21°22	17°48	0°34	29° 8	25°36	n.a.	T 19
F 20	0 54 28	12°39'49	22° 0	3°36	25°51	10°40	11° 9	11° 1	11°51	21°24	17°49	0°30	29° 4	25°43	n.a.	F 20
S 21	0 58 24	13°40'54	4♋23	4°12	26°51	11°26	11° 3	10°59	11°49	21°25	17°50	0°27	29° 1	25°50	n.a.	S 21
S 22	1 2 21	14°42'00	17° 3	4°41	27°52	12°11	10°57	10°58	11°47	21°27	17°51	0°D27	28°58	25°57	n.a.	S 22
M23	1 6 17	15°43'08	0♌ 4	5° 1	28°53	12°57	10°52	10°56	11°45	21°28	17°52	0°28	28°55	26° 3	n.a.	M23
T 24	1 10 14	16°44'17	13°31	5°13	29°55	13°43	10°47	10°54	11°43	21°30	17°53	0°29	28°52	26°10	n.a.	T 24
W25	1 14 10	17°45'27	27°26	5°R15	0♍57	14°29	10°42	10°52	11°41	21°31	17°54	0°R30	28°48	26°17	n.a.	W25
T 26	1 18 7	18°46'38	11♍48	5° 7	2° 0	15°15	10°37	10°50	11°39	21°33	17°55	0°29	28°45	26°23	n.a.	T 26
F 27	1 22 4	19°47'50	26°37	4°47	3° 3	16° 1	10°32	10°48	11°37	21°34	17°56	0°27	28°42	26°30	n.a.	F 27
S 28	1 26 0	20°49'03	11♎45	4°16	4° 6	16°47	10°27	10°46	11°36	21°36	17°57	0°22	28°39	26°37	n.a.	S 28
S 29	1 29 57	21°50'17	27° 3	3°34	5°10	17°32	10°23	10°44	11°34	21°37	17°58	0°15	28°36	26°44	n.a.	S 29
M30	1 33 53	22°51'31	12♏22	2°41	6°14	18°18	10°19	10°41	11°32	21°38	18° 0	0° 6	28°33	26°50	n.a.	M30
T 31	1 37 50	23♎52'47	27♏28	1♏38	7♍18	19♐ 4	10♓15	10♊39	11♓31	21♌39	18♐ 1	29♒58	28♒29	26♈57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	2n40	11s 5	3s52	6s10	1s50	16n55	1s37	21s17	1s39	8s21	1s50	21n47	0s45	7s43	0s48	16n16	1n32	28s45	5s29	11s11	11s39	13n10			n.a.
M 2	2 16	17 24	4 39	6 49	1 55	16 50	1 28	21 28	1 39	8 24	1 50	21 47	0 45	7 44	0 48	16 15	1 32	28 45	5 29	11 13	11 40	13 13			n.a.
T 3	1 51	22 36	5 7	7 27	2 0	16 45	1 19	21 39	1 39	8 27	1 50	21 47	0 45	7 44	0 48	16 15	1 32	28 45	5 29	11 14	11 42	13 16			n.a.
W 4	1 27	26 18	5 14	8 5	2 5	16 39	1 11	21 49	1 39	8 30	1 50	21 47	0 45	7 45	0 48	16 14	1 32	28 45	5 29	11 15	11 43	13 19			n.a.
T 5	1 2	28 16	5 2	8 41	2 9	16 33	1 3	21 59	1 39	8 32	1 50	21 47	0 45	7 46	0 48	16 13	1 32	28 45	5 28	11 15	11 44	13 22			n.a.
F 6	0 38	28 27	4 33	9 17	2 14	16 26	0 55	22 9	1 39	8 35	1 49	21 47	0 45	7 47	0 48	16 13	1 32	28 45	5 28	11 15	11 45	13 25			n.a.
S 7	0 13	26 57	3 50	9 52	2 18	16 19	0 47	22 19	1 39	8 38	1 49	21 47	0 45	7 48	0 48	16 12	1 32	28 45	5 28	11 15	11 46	13 28			n.a.
S 8	0s12	24 2	2 57	10 26	2 21	16 11	0 39	22 28	1 39	8 41	1 49	21 47	0 45	7 49	0 48	16 12	1 32	28 45	5 28	11 15	11 47	13 31			n.a.
M 9	0 36	20 0	1 55	10 59	2 24	16 2	0 32	22 37	1 39	8 44	1 49	21 47	0 45	7 50	0 48	16 11	1 32	28 45	5 28	11 14	11 48	13 34			n.a.
T 10	1 1	15 11	0 50	11 31	2 27	15 53	0 24	22 46	1 38	8 46	1 49	21 47	0 45	7 51	0 48	16 11	1 32	28 45	5 28	11 13	11 50	13 37			n.a.
W11	1 25	9 50	0n17	12 1	2 29	15 43	0 17	22 55	1 38	8 49	1 49	21 47	0 45	7 52	0 48	16 10	1 32	28 45	5 28	11 13	11 51	13 40			n.a.
T 12	1 50	4 11	1 22	12 30	2 31	15 32	0 10	23 4	1 38	8 51	1 48	21 47	0 45	7 52	0 48	16 9	1 32	28 45	5 28	11 14	11 52	13 43			n.a.
F 13	2 15	1n33	2 23	12 57	2 32	15 21	0 3	23 12	1 38	8 54	1 48	21 47	0 45	7 53	0 48	16 9	1 32	28 45	5 28	11 15	11 53	13 46			n.a.
S 14	2 39	7 11	3 17	13 23	2 33	15 9	0n 4	23 20	1 38	8 56	1 48	21 47	0 45	7 54	0 48	16 8	1 32	28 45	5 28	11 17	11 54	13 49			n.a.
S 15	3 4	12 32	4 2	13 47	2 33	14 57	0 10	23 28	1 37	8 59	1 48	21 47	0 45	7 55	0 48	16 8	1 32	28 45	5 28	11 19	11 55	13 52			n.a.
M16	3 28	17 26	4 36	14 8	2 32	14 44	0 17	23 35	1 37	9 1	1 48	21 47	0 45	7 56	0 48	16 7	1 32	28 45	5 28	11 21	11 56	13 55			n.a.
T 17	3 53	21 40	4 59	14 27	2 30	14 30	0 23	23 43	1 37	9 3	1 47	21 47	0 45	7 57	0 48	16 7	1 32	28 45	5 28	11 24	11 58	13 58			n.a.
W18	4 17	25 3	5 9	14 44	2 28	14 16	0 29	23 50	1 37	9 5	1 47	21 47	0 45	7 57	0 48	16 6	1 32	28 45	5 28	11 27	11 59	14 1			n.a.
T 19	4 41	27 22	5 5	14 57	2 24	14 2	0 35	23 57	1 36	9 7	1 47	21 47	0 45	7 58	0 48	16 6	1 32	28 45	5 27	11 29	12 0	14 4			n.a.
F 20	5 6	28 26	4 48	15 8	2 19	13 47	0 40	24 3	1 36	9 9	1 47	21 46	0 45	7 59	0 48	16 5	1 32	28 45	5 27	11 30	12 1	14 7			n.a.
S 21	5 30	28 6	4 17	15 15	2 13	13 31	0 46	24 10	1 36	9 11	1 46	21 46	0 45	8 0	0 48	16 5	1 32	28 45	5 27	11 31	12 2	14 10			n.a.
S 22	5 54	26 18	3 33	15 18	2 6	13 15	0 51	24 16	1 36	9 13	1 46	21 46	0 45	8 0	0 48	16 5	1 32	28 45	5 27	11 31	12 3	14 13			n.a.
M23	6 18	23 4	2 37	15 17	1 58	12 58	0 57	24 22	1 35	9 15	1 46	21 46	0 45	8 1	0 48	16 4	1 32	28 45	5 27	11 31	12 4	14 16			n.a.
T 24	6 42	18 31	1 30	15 12	1 48	12 40	1 2	24 27	1 35	9 17	1 45	21 46	0 45	8 2	0 48	16 4	1 33	28 45	5 27	11 31	12 5	14 19			n.a.
W25	7 6	12 51	0 17	15 2	1 36	12 23	1 7	24 32	1 35	9 19	1 45	21 45	0 45	8 2	0 48	16 3	1 33	28 45	5 27	11 30	12 7	14 22			n.a.
T 26	7 29	6 20	1s 1	14 46	1 23	12 4	1 11	24 37	1 35	9 20	1 45	21 45	0 45	8 3	0 47	16 3	1 33	28 45	5 27	11 31	12 8	14 25			n.a.
F 27	7 53	0s42	2 16	14 26	1 8	11 45	1 16	24 42	1 34	9 22	1 45	21 45	0 45	8 4	0 47	16 2	1 33	28 46	5 27	11 31	12 9	14 27			n.a.
S 28	8 17	7 50	3 23	14 0	0 52	11 26	1 21	24 47	1 34	9 23	1 44	21 45	0 45	8 5	0 47	16 2	1 33	28 46	5 27	11 33	12 10	14 30			n.a.
S 29	8 40	14 35	4 16	13 29	0 34	11 6	1 25	24 51	1 34	9 25	1 44	21 44	0 45	8 5	0 47	16 2	1 33	28 46	5 27	11 36	12 11	14 33			n.a.
M30	9 3	20 27	4 51	12 53	0 16	10 46	1 29	24 55	1 33	9 26	1 44	21 44	0 45	8 6	0 47	16 1	1 33	28 46	5 27	11 39	12 12	14 36			n.a.
T 31	9s26	24s55	5s 5	12s12	0n 4	10n26	1n33	24s59	1s33	9s27	1s43	21n44	0s45	8s 6	0s47	16n 1	1n33	28s46	5s27	11s42	12s13	14n39			n.a.

Julian Day Number = 1108441.5, Delta T = 10h55m04s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'24, Lahiri = -27°06'24 Julian Calendar 1 Oct. 1679 BCE == Greg. Calendar 17 Sept. 1679 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

NOVEMBER 1679 BCE (-1678) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 41 46	24♎54'02	12♐14	0°R27	8♍22	19♐50	10°R11	10°R36	11°R29	21♑41	18♐ 2	29°R50	28♒26	27♈ 4	n.a.	W 1
T 2	1 45 43	25°55'19	26°32	29♎ 9	9°27	20°36	10♓ 7	10♊33	11♓27	21°42	18° 3	29♒44	28°23	27°10	n.a.	T 2
F 3	1 49 40	26°56'35	10♑21	27°48	10°32	21°22	10° 4	10°31	11°26	21°43	18° 5	29°40	28°20	27°17	n.a.	F 3
S 4	1 53 36	27°57'52	23°41	26°25	11°38	22° 8	10° 1	10°28	11°24	21°44	18° 6	29°D39	28°17	27°24	n.a.	S 4
S 5	1 57 33	28°59'09	6♒36	25° 4	12°44	22°54	9°58	10°25	11°23	21°45	18° 7	29°39	28°13	27°30	n.a.	S 5
M 6	2 1 29	0♏ 0'26	19° 9	23°47	13°50	23°40	9°55	10°22	11°22	21°46	18° 9	29°40	28°10	27°37	n.a.	M 6
T 7	2 5 26	1° 1'43	1♓26	22°37	14°56	24°26	9°52	10°18	11°20	21°48	18°10	29°R40	28° 7	27°44	n.a.	T 7
W 8	2 9 22	2° 3'00	13°30	21°35	16° 2	25°12	9°50	10°15	11°19	21°49	18°11	29°39	28° 4	27°51	n.a.	W 8
T 9	2 13 19	3° 4'18	25°27	20°43	17° 9	25°58	9°48	10°12	11°18	21°50	18°13	29°36	28° 1	27°57	n.a.	T 9
F 10	2 17 15	4° 5'35	7♈19	20° 1	18°16	26°44	9°46	10° 8	11°16	21°51	18°14	29°30	27°58	28° 4	n.a.	F 10
S 11	2 21 12	5° 6'53	19°10	19°31	19°23	27°30	9°44	10° 5	11°15	21°51	18°15	29°20	27°54	28°11	n.a.	S 11
S 12	2 25 9	6° 8'10	1♉ 1	19°11	20°31	28°15	9°42	10° 1	11°14	21°52	18°17	29° 9	27°51	28°17	n.a.	S 12
M13	2 29 5	7° 9'28	12°54	19°D 2	21°38	29° 1	9°41	9°58	11°13	21°53	18°18	28°56	27°48	28°24	n.a.	M13
T 14	2 33 2	8°10'46	24°50	19° 2	22°46	29°47	9°40	9°54	11°12	21°54	18°20	28°42	27°45	28°31	n.a.	T 14
W15	2 36 58	9°12'05	6♊51	19°12	23°54	0♑33	9°39	9°50	11°11	21°55	18°21	28°29	27°42	28°37	n.a.	W15
T 16	2 40 55	10°13'23	18°59	19°30	25° 3	1°19	9°38	9°46	11°10	21°56	18°23	28°17	27°39	28°44	n.a.	T 16
F 17	2 44 51	11°14'42	1♋14	19°55	26°11	2° 5	9°37	9°42	11° 9	21°56	18°24	28° 8	27°35	28°51	n.a.	F 17
S 18	2 48 48	12°16'01	13°39	20°28	27°20	2°51	9°37	9°38	11° 8	21°57	18°26	28° 2	27°32	28°58	n.a.	S 18
S 19	2 52 45	13°17'20	26°18	21° 6	28°28	3°37	9°D37	9°34	11° 7	21°58	18°28	27°58	27°29	29° 4	n.a.	S 19
M20	2 56 41	14°18'39	9♌15	21°51	29°37	4°22	9°37	9°30	11° 7	21°58	18°29	27°57	27°26	29°11	n.a.	M20
T 21	3 0 38	15°19'58	22°32	22°40	0♎47	5° 8	9°37	9°26	11° 6	21°59	18°31	27°57	27°23	29°18	n.a.	T 21
W22	3 4 34	16°21'18	6♍13	23°33	1°56	5°54	9°37	9°21	11° 5	22° 0	18°32	27°57	27°19	29°24	n.a.	W22
T 23	3 8 31	17°22'37	20°21	24°30	3° 5	6°40	9°38	9°17	11° 5	22° 0	18°34	27°55	27°16	29°31	n.a.	T 23
F 24	3 12 27	18°23'56	4♎54	25°31	4°15	7°26	9°39	9°13	11° 4	22° 1	18°36	27°51	27°13	29°38	n.a.	F 24
S 25	3 16 24	19°25'16	19°50	26°35	5°25	8°11	9°40	9° 8	11° 4	22° 1	18°37	27°45	27°10	29°45	n.a.	S 25
S 26	3 20 20	20°26'35	5♏ 1	27°41	6°35	8°57	9°41	9° 4	11° 3	22° 2	18°39	27°35	27° 7	29°51	n.a.	S 26
M27	3 24 17	21°27'54	20°18	28°50	7°45	9°43	9°43	8°59	11° 3	22° 2	18°41	27°24	27° 4	29°58	n.a.	M27
T 28	3 28 14	22°29'12	5♐29	0♏ 2	8°55	10°29	9°45	8°54	11° 2	22° 2	18°42	27°11	27° 0	0♉ 5	n.a.	T 28
W29	3 32 10	23°30'30	20°23	1°15	10° 5	11°14	9°47	8°50	11° 2	22° 3	18°44	27° 0	26°57	0°11	n.a.	W29
T 30	3 36 7	24♏31'47	4♑52	2♏30	11♎15	12♑ 0	9♓49	8♊45	11♓ 2	22♌ 3	18♐46	26♒51	26♒54	0♉18	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s49	27s37	4s59	11s28	0n25	10n 5	1n37	25s 2	1s33	9s29	1s43	21n43	0s45	8s 7	0s47	16n 0	1n33	28s46	5s27	11s45	12s14	14n42		n.a.
T 2	10 12	28 24	4 33	10 41	0 45	9 43	1 41	25 5	1 32	9 30	1 43	21 43	0 45	8 8	0 47	16 0	1 33	28 46	5 27	11 47	12 16	14 45		n.a.
F 3	10 34	27 21	3 52	9 52	1 5	9 21	1 44	25 8	1 32	9 31	1 42	21 43	0 45	8 8	0 47	16 0	1 33	28 46	5 27	11 48	12 17	14 48		n.a.
S 4	10 57	24 44	3 0	9 4	1 25	8 59	1 47	25 10	1 31	9 32	1 42	21 42	0 45	8 9	0 47	15 59	1 33	28 46	5 27	11 49	12 18	14 51		n.a.
S 5	11 19	20 55	2 0	8 17	1 43	8 36	1 51	25 13	1 31	9 33	1 42	21 42	0 44	8 9	0 47	15 59	1 33	28 46	5 27	11 48	12 19	14 54		n.a.
M 6	11 41	16 15	0 56	7 34	1 59	8 13	1 54	25 15	1 31	9 33	1 41	21 41	0 44	8 10	0 47	15 59	1 33	28 46	5 27	11 48	12 20	14 57		n.a.
T 7	12 3	11 1	0n 9	6 54	2 13	7 50	1 57	25 17	1 30	9 34	1 41	21 41	0 44	8 10	0 47	15 59	1 33	28 46	5 26	11 48	12 21	15 0		n.a.
W 8	12 25	5 29	1 13	6 20	2 25	7 26	2 0	25 18	1 30	9 35	1 41	21 41	0 44	8 11	0 47	15 58	1 33	28 46	5 26	11 48	12 22	15 2		n.a.
T 9	12 46	0n11	2 13	5 51	2 35	7 2	2 2	25 19	1 29	9 35	1 40	21 40	0 44	8 11	0 47	15 58	1 33	28 47	5 26	11 50	12 23	15 5		n.a.
F 10	13 7	5 48	3 6	5 28	2 43	6 38	2 5	25 20	1 29	9 36	1 40	21 40	0 44	8 12	0 47	15 58	1 33	28 47	5 26	11 52	12 24	15 8		n.a.
S 11	13 28	11 12	3 51	5 11	2 49	6 13	2 7	25 21	1 29	9 36	1 40	21 39	0 44	8 12	0 47	15 57	1 34	28 47	5 26	11 55	12 26	15 11		n.a.
S 12	13 49	16 11	4 26	5 0	2 52	5 48	2 9	25 21	1 28	9 36	1 39	21 39	0 44	8 12	0 47	15 57	1 34	28 47	5 26	11 59	12 27	15 14		n.a.
M13	14 10	20 35	4 50	4 54	2 55	5 23	2 11	25 21	1 28	9 37	1 39	21 38	0 44	8 13	0 47	15 57	1 34	28 47	5 26	12 4	12 28	15 17		n.a.
T 14	14 30	24 11	5 0	4 54	2 55	4 57	2 13	25 21	1 27	9 37	1 39	21 38	0 44	8 13	0 47	15 57	1 34	28 47	5 26	12 9	12 29	15 20		n.a.
W15	14 50	26 45	4 58	4 58	2 54	4 31	2 15	25 20	1 27	9 37	1 38	21 37	0 44	8 14	0 47	15 57	1 34	28 47	5 26	12 14	12 30	15 23		n.a.
T 16	15 10	28 6	4 42	5 7	2 52	4 5	2 17	25 19	1 26	9 37	1 38	21 37	0 44	8 14	0 47	15 56	1 34	28 47	5 26	12 18	12 31	15 25		n.a.
F 17	15 29	28 6	4 13	5 20	2 49	3 39	2 18	25 18	1 26	9 37	1 38	21 36	0 44	8 14	0 47	15 56	1 34	28 47	5 26	12 21	12 32	15 28		n.a.
S 18	15 48	26 41	3 32	5 36	2 45	3 13	2 20	25 17	1 25	9 36	1 37	21 36	0 44	8 15	0 47	15 56	1 34	28 48	5 26	12 23	12 33	15 31		n.a.
S 19	16 7	23 53	2 39	5 55	2 40	2 46	2 21	25 15	1 25	9 36	1 37	21 35	0 44	8 15	0 47	15 56	1 34	28 48	5 26	12 24	12 34	15 34		n.a.
M20	16 26	19 50	1 37	6 17	2 35	2 19	2 22	25 13	1 24	9 36	1 37	21 35	0 44	8 15	0 47	15 56	1 34	28 48	5 26	12 25	12 36	15 37		n.a.
T 21	16 44	14 43	0 29	6 41	2 29	1 52	2 23	25 11	1 24	9 35	1 36	21 34	0 44	8 15	0 47	15 56	1 34	28 48	5 26	12 25	12 37	15 40		n.a.
W22	17 3	8 43	0s44	7 7	2 22	1 25	2 24	25 9	1 23	9 35	1 36	21 33	0 43	8 16	0 47	15 55	1 34	28 48	5 26	12 25	12 38	15 43		n.a.
T 23	17 20	2 8	1 55	7 34	2 16	0 57	2 25	25 6	1 23	9 34	1 36	21 33	0 43	8 16	0 46	15 55	1 34	28 48	5 26	12 25	12 39	15 45		n.a.
F 24	17 38	4s45	3 2	8 3	2 9	0 30	2 25	25 3	1 22	9 34	1 35	21 32	0 43	8 16	0 46	15 55	1 34	28 48	5 26	12 27	12 40	15 48		n.a.
S 25	17 55	11 33	3 57	8 34	2 1	0 2	2 26	25 0	1 22	9 33	1 35	21 32	0 43	8 16	0 46	15 55	1 34	28 49	5 26	12 29	12 41	15 51		n.a.
S 26	18 12	17 47	4 37	9 5	1 54	0s26	2 26	24 56	1 21	9 32	1 34	21 31	0 43	8 16	0 46	15 55	1 34	28 49	5 26	12 32	12 42	15 54		n.a.
M27	18 28	22 55	4 58	9 37	1 46	0 54	2 26	24 52	1 21	9 31	1 34	21 30	0 43	8 16	0 46	15 55	1 35	28 49	5 26	12 36	12 43	15 57		n.a.
T 28	18 44	26 29	4 57	10 10	1 38	1 22	2 27	24 48	1 20	9 30	1 34	21 30	0 43	8 16	0 46	15 55	1 35	28 49	5 26	12 41	12 44	16 0		n.a.
W29	19 0	28 7	4 36	10 43	1 31	1 50	2 27	24 44	1 20	9 29	1 33	21 29	0 43	8 16	0 46	15 55	1 35	28 49	5 26	12 45	12 46	16 2		n.a.
T 30	19s16	27s45	3s57	11s17	1n23	2s18	2n27	24s39	1s19	9s28	1s33	21n28	0s43	8s17	0s46	15n55	1n35	28s49	5s26	12s48	12s47	16n 5		n.a.

Julian Day Number = 1108472.5, Delta T = 10h55m02s
Ecliptic obliquity = 23°53'33, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'20, Lahiri = -27°06'19 Julian Calendar 1 Nov. 1679 BCE == Greg. Calendar 18 Oct. 1679 BCE

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ASTRODIENST EPHEMERIS for the year 1679 BCE
geocentric

DECEMBER 1679 BCE (-1678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 40 3	25♏33'04	18♉52	3♏46	12♎26	12♉46	9♓51	8°R40	11°R 2	22♌ 3	18♐48	26°R45	26♒51	0♉25	n.a.	F 1
S 2	3 44 0	26°34'19	2♒21	5° 4	13°36	13°31	9°54	8♊36	11♓ 1	22° 3	18°49	26♒41	26°48	0°32	n.a.	S 2
S 3	3 47 56	27°35'34	15°22	6°23	14°47	14°17	9°56	8°31	11° 1	22° 4	18°51	26°40	26°45	0°38	n.a.	S 3
M 4	3 51 53	28°36'47	27°58	7°44	15°58	15° 3	9°59	8°26	11°D 1	22° 4	18°53	26°40	26°41	0°45	n.a.	M 4
T 5	3 55 50	29°38'00	10♓15	9° 5	17° 9	15°48	10° 2	8°21	11° 1	22° 4	18°55	26°39	26°38	0°52	n.a.	T 5
W 6	3 59 46	0♐39'11	22°18	10°28	18°20	16°34	10° 6	8°16	11° 1	22° 4	18°56	26°38	26°35	0°58	n.a.	W 6
T 7	4 3 43	1°40'22	4♈12	11°51	19°31	17°19	10° 9	8°11	11° 2	22° 4	18°58	26°34	26°32	1° 5	n.a.	T 7
F 8	4 7 39	2°41'31	16° 2	13°16	20°42	18° 5	10°13	8° 7	11° 2	22°R 4	19° 0	26°28	26°29	1°12	n.a.	F 8
S 9	4 11 36	3°42'39	27°51	14°41	21°53	18°50	10°17	8° 2	11° 2	22° 4	19° 2	26°18	26°25	1°19	n.a.	S 9
S 10	4 15 32	4°43'46	9♉44	16° 7	23° 5	19°36	10°21	7°57	11° 2	22° 4	19° 4	26° 6	26°22	1°25	n.a.	S 10
M11	4 19 29	5°44'53	21°41	17°34	24°16	20°21	10°25	7°52	11° 3	22° 4	19° 6	25°52	26°19	1°32	n.a.	M11
T 12	4 23 26	6°45'58	3♊45	19° 2	25°27	21° 6	10°29	7°47	11° 3	22° 4	19° 7	25°37	26°16	1°39	n.a.	T 12
W13	4 27 22	7°47'02	15°56	20°30	26°39	21°52	10°34	7°42	11° 3	22° 4	19° 9	25°23	26°13	1°45	n.a.	W13
T 14	4 31 19	8°48'05	28°16	21°59	27°51	22°37	10°39	7°37	11° 4	22° 4	19°11	25°11	26°10	1°52	n.a.	T 14
F 15	4 35 15	9°49'07	10♋44	23°29	29° 2	23°22	10°44	7°32	11° 4	22° 3	19°13	25° 1	26° 6	1°59	n.a.	F 15
S 16	4 39 12	10°50'08	23°22	24°59	0♏14	24° 8	10°49	7°27	11° 5	22° 3	19°15	24°54	26° 3	2° 6	n.a.	S 16
S 17	4 43 8	11°51'08	6♌11	26°31	1°26	24°53	10°54	7°22	11° 6	22° 3	19°17	24°50	26° 0	2°12	n.a.	S 17
M18	4 47 5	12°52'07	19°14	28° 2	2°38	25°38	11° 0	7°17	11° 6	22° 3	19°18	24°D49	25°57	2°19	n.a.	M18
T 19	4 51 1	13°53'06	2♍32	29°35	3°50	26°23	11° 6	7°12	11° 7	22° 2	19°20	24°49	25°54	2°26	n.a.	T 19
W20	4 54 58	14°54'03	16° 8	1♐ 8	5° 2	27° 8	11°11	7° 8	11° 8	22° 2	19°22	24°R49	25°51	2°32	n.a.	W20
T 21	4 58 55	15°54'59	0♎ 4	2°42	6°14	27°53	11°18	7° 3	11° 9	22° 1	19°24	24°48	25°47	2°39	n.a.	T 21
F 22	5 2 51	16°55'54	14°20	4°17	7°26	28°38	11°24	6°58	11°10	22° 1	19°26	24°45	25°44	2°46	n.a.	F 22
S 23	5 6 48	17°56'48	28°54	5°52	8°38	29°24	11°30	6°53	11°11	22° 0	19°28	24°40	25°41	2°52	n.a.	S 23
S 24	5 10 44	18°57'40	13♏43	7°28	9°50	0♒ 9	11°37	6°48	11°12	22° 0	19°30	24°32	25°38	2°59	n.a.	S 24
M25	5 14 41	19°58'32	28°39	9° 5	11° 3	0°54	11°43	6°44	11°13	21°59	19°31	24°22	25°35	3° 6	n.a.	M25
T 26	5 18 37	20°59'23	13♐33	10°43	12°15	1°38	11°50	6°39	11°14	21°59	19°33	24°12	25°31	3°13	n.a.	T 26
W27	5 22 34	22° 0'12	28°17	12°21	13°27	2°23	11°57	6°34	11°15	21°58	19°35	24° 2	25°28	3°19	n.a.	W27
T 28	5 26 31	23° 0'59	12♉42	14° 0	14°40	3° 8	12° 4	6°30	11°16	21°58	19°37	23°54	25°25	3°26	n.a.	T 28
F 29	5 30 27	24° 1'45	26°43	15°40	15°52	3°53	12°12	6°25	11°17	21°57	19°39	23°48	25°22	3°33	n.a.	F 29
S 30	5 34 24	25° 2'29	10♒16	17°21	17° 4	4°38	12°19	6°20	11°19	21°56	19°41	23°45	25°19	3°40	n.a.	S 30
S 31	5 38 20	26♐ 3'11	23♒23	19♐ 2	18♏17	5♒23	12♓27	6♊16	11♓20	21♌56	19♐43	23°D44	25♒16	3♉46	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s31	25s36	3s 5	11s51	1n15	2s46	2n26	24s34	1s19	9s27	1s33	21n28	0s43	8s17	0s46	15n55	1n35	28s49	5s26	12s50	12s48	16n 8		n.a.
S 2	19 45	22 2	2 5	12 25	1 7	3 14	2 26	24 29	1 18	9 25	1 32	21 27	0 43	8 17	0 46	15 55	1 35	28 50	5 26	12 51	12 49	16 11		n.a.
S 3	20 0	17 29	0 59	12 59	0 59	3 42	2 26	24 24	1 18	9 24	1 32	21 26	0 43	8 17	0 46	15 55	1 35	28 50	5 26	12 52	12 50	16 14		n.a.
M 4	20 14	12 18	0n 7	13 33	0 51	4 10	2 25	24 18	1 17	9 23	1 32	21 26	0 42	8 17	0 46	15 55	1 35	28 50	5 26	12 52	12 51	16 16		n.a.
T 5	20 27	6 46	1 11	14 7	0 43	4 38	2 24	24 12	1 17	9 21	1 31	21 25	0 42	8 17	0 46	15 55	1 35	28 50	5 26	12 52	12 52	16 19		n.a.
W 6	20 40	1 7	2 11	14 41	0 35	5 7	2 24	24 6	1 16	9 20	1 31	21 24	0 42	8 16	0 46	15 55	1 35	28 50	5 26	12 52	12 53	16 22		n.a.
T 7	20 53	4n31	3 4	15 15	0 27	5 35	2 23	24 0	1 15	9 18	1 31	21 24	0 42	8 16	0 46	15 55	1 35	28 51	5 26	12 54	12 54	16 25		n.a.
F 8	21 6	9 56	3 49	15 48	0 20	6 3	2 22	23 53	1 15	9 16	1 30	21 23	0 42	8 16	0 46	15 55	1 35	28 51	5 26	12 56	12 56	16 27		n.a.
S 9	21 17	15 0	4 24	16 21	0 12	6 31	2 21	23 46	1 14	9 14	1 30	21 22	0 42	8 16	0 46	15 55	1 35	28 51	5 26	12 59	12 57	16 30		n.a.
S 10	21 29	19 32	4 48	16 54	0 5	6 58	2 20	23 39	1 14	9 12	1 30	21 22	0 42	8 16	0 46	15 55	1 35	28 51	5 26	13 3	12 58	16 33		n.a.
M11	21 40	23 19	4 59	17 26	0s 3	7 26	2 19	23 31	1 13	9 10	1 29	21 21	0 42	8 16	0 46	15 55	1 35	28 51	5 26	13 8	12 59	16 36		n.a.
T 12	21 51	26 9	4 57	17 58	0 10	7 54	2 17	23 24	1 13	9 8	1 29	21 20	0 42	8 16	0 46	15 55	1 35	28 51	5 26	13 13	13 0	16 38		n.a.
W13	22 1	27 47	4 41	18 29	0 17	8 22	2 16	23 16	1 12	9 6	1 29	21 19	0 42	8 15	0 46	15 55	1 36	28 52	5 27	13 18	13 1	16 41		n.a.
T 14	22 11	28 5	4 12	19 0	0 24	8 49	2 14	23 8	1 11	9 4	1 28	21 19	0 41	8 15	0 46	15 55	1 36	28 52	5 27	13 22	13 2	16 44		n.a.
F 15	22 21	26 57	3 31	19 30	0 31	9 16	2 13	22 59	1 11	9 2	1 28	21 18	0 41	8 15	0 46	15 56	1 36	28 52	5 27	13 26	13 3	16 47		n.a.
S 16	22 30	24 25	2 38	19 59	0 37	9 43	2 11	22 51	1 10	9 0	1 28	21 17	0 41	8 15	0 46	15 56	1 36	28 52	5 27	13 28	13 4	16 49		n.a.
S 17	22 38	20 39	1 37	20 27	0 44	10 10	2 10	22 42	1 10	8 57	1 27	21 17	0 41	8 14	0 45	15 56	1 36	28 53	5 27	13 29	13 5	16 52		n.a.
M18	22 46	15 48	0 30	20 55	0 50	10 37	2 8	22 33	1 9	8 55	1 27	21 16	0 41	8 14	0 45	15 56	1 36	28 53	5 27	13 30	13 6	16 55		n.a.
T 19	22 54	10 8	0s41	21 21	0 56	11 4	2 6	22 23	1 8	8 52	1 27	21 15	0 41	8 14	0 45	15 56	1 36	28 53	5 27	13 30	13 8	16 58		n.a.
W20	23 1	3 53	1 51	21 47	1 2	11 30	2 4	22 14	1 8	8 50	1 26	21 14	0 41	8 13	0 45	15 56	1 36	28 53	5 27	13 30	13 9	17 0		n.a.
T 21	23 8	2s42	2 55	22 12	1 8	11 56	2 2	22 4	1 7	8 47	1 26	21 14	0 41	8 13	0 45	15 57	1 36	28 53	5 27	13 30	13 10	17 3		n.a.
F 22	23 14	9 17	3 51	22 36	1 13	12 22	2 0	21 54	1 7	8 44	1 26	21 13	0 41	8 13	0 45	15 57	1 36	28 54	5 27	13 31	13 11	17 6		n.a.
S 23	23 20	15 31	4 33	22 59	1 18	12 48	1 58	21 44	1 6	8 42	1 25	21 12	0 40	8 12	0 45	15 57	1 36	28 54	5 27	13 33	13 12	17 8		n.a.
S 24	23 25	20 58	4 57	23 20	1 23	13 13	1 55	21 34	1 5	8 39	1 25	21 12	0 40	8 12	0 45	15 57	1 36	28 54	5 27	13 36	13 13	17 11		n.a.
M25	23 30	25 8	5 2	23 41	1 28	13 38	1 53	21 23	1 5	8 36	1 25	21 11	0 40	8 11	0 45	15 57	1 36	28 54	5 27	13 39	13 14	17 14		n.a.
T 26	23 35	27 35	4 46	24 0	1 32	14 3	1 51	21 13	1 4	8 33	1 24	21 10	0 40	8 11	0 45	15 58	1 36	28 55	5 27	13 42	13 15	17 17		n.a.
W27	23 39	28 4	4 11	24 18	1 36	14 27	1 48	21 2	1 3	8 30	1 24	21 10	0 40	8 10	0 45	15 58	1 36	28 55	5 27	13 46	13 16	17 19		n.a.
T 28	23 42	26 36	3 20	24 34	1 40	14 51	1 46	20 50	1 3	8 27	1 24	21 9	0 40	8 10	0 45	15 58	1 36	28 55	5 27	13 48	13 17	17 22		n.a.
F 29	23 45	23 29	2 19	24 49	1 44	15 15	1 44	20 39	1 2	8 24	1 23	21 8	0 40	8 9	0 45	15 58	1 36	28 55	5 28	13 50	13 18	17 25		n.a.
S 30	23 48	19 9	1 11	25 3	1 47	15 38	1 41	20 28	1 2	8 21	1 23	21 8	0 39	8 9	0 45	15 59	1 37	28 55	5 28	13 51	13 20	17 27		n.a.
S 31	23s50	14s 1	0s 2	25s15	1s50	16s 1	1n38	20s16	1s 1	8s17	1s23	21n 7	0s39	8s 8	0s45	15n59	1n37	28s56	5s28	13s52	13s21	17n30		n.a.

Julian Day Number = 1108502.5, Delta T = 10h55m01s
Ecliptic obliquity = 23°53'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'16, Lahiri = -27°06'15 Julian Calendar 1 Dec. 1679 BCE == Greg. Calendar 17 Nov. 1679 BCE

The year -1678 astronomical counting style corresponds to year 1679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

JANUARY 1678 BCE (-1677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 42 17	27♐ 3'51	6♓ 5	20♐45	19♏29	6♒ 7	12♓35	6°R11	11♓21	21°R55	19♐45	23♒45	25♒12	3♉53	n.a.	M 1
T 2	5 46 13	28° 4'29	18°27	22°28	20°42	6°52	12°43	6♊ 7	11°23	21♌54	19°46	23°46	25° 9	4° 0	n.a.	T 2
W 3	5 50 10	29° 5'05	0♈33	24°12	21°55	7°37	12°51	6° 3	11°24	21°53	19°48	23°R46	25° 6	4° 6	n.a.	W 3
T 4	5 54 6	0♑ 5'39	12°29	25°57	23° 7	8°21	12°59	5°58	11°26	21°52	19°50	23°45	25° 3	4°13	n.a.	T 4
F 5	5 58 3	1° 6'11	24°20	27°43	24°20	9° 6	13° 7	5°54	11°27	21°51	19°52	23°42	25° 0	4°20	n.a.	F 5
S 6	6 2 0	2° 6'41	6♉11	29°29	25°32	9°50	13°16	5°50	11°29	21°51	19°54	23°37	24°57	4°27	n.a.	S 6
S 7	6 5 56	3° 7'09	18° 6	1♑17	26°45	10°35	13°24	5°46	11°31	21°50	19°56	23°29	24°53	4°33	n.a.	S 7
M 8	6 9 53	4° 7'36	0♊ 7	3° 6	27°58	11°19	13°33	5°42	11°32	21°49	19°57	23°21	24°50	4°40	n.a.	M 8
T 9	6 13 49	5° 8'00	12°19	4°55	29°10	12° 4	13°42	5°38	11°34	21°48	19°59	23°11	24°47	4°47	n.a.	T 9
W10	6 17 46	6° 8'22	24°41	6°45	0♐23	12°48	13°51	5°34	11°36	21°47	20° 1	23° 2	24°44	4°53	n.a.	W10
T 11	6 21 42	7° 8'43	7♋15	8°36	1°36	13°32	14° 0	5°30	11°38	21°46	20° 3	22°54	24°41	5° 0	n.a.	T 11
F 12	6 25 39	8° 9'01	20° 1	10°28	2°49	14°17	14° 9	5°26	11°40	21°45	20° 5	22°48	24°37	5° 7	n.a.	F 12
S 13	6 29 35	9° 9'18	2♌59	12°20	4° 1	15° 1	14°19	5°23	11°42	21°44	20° 6	22°44	24°34	5°14	n.a.	S 13
S 14	6 33 32	10° 9'32	16° 9	14°14	5°14	15°45	14°28	5°19	11°44	21°42	20° 8	22°42	24°31	5°20	n.a.	S 14
M15	6 37 29	11° 9'45	29°30	16° 7	6°27	16°29	14°38	5°16	11°46	21°41	20°10	22°D42	24°28	5°27	n.a.	M15
T 16	6 41 25	12° 9'56	13♍ 3	18° 2	7°40	17°13	14°48	5°12	11°48	21°40	20°12	22°43	24°25	5°34	n.a.	T 16
W17	6 45 22	13°10'06	26°47	19°56	8°53	17°57	14°58	5° 9	11°50	21°39	20°13	22°44	24°22	5°40	n.a.	W17
T 18	6 49 18	14°10'13	10♎43	21°51	10° 6	18°41	15° 8	5° 6	11°52	21°38	20°15	22°R45	24°18	5°47	n.a.	T 18
F 19	6 53 15	15°10'19	24°51	23°46	11°19	19°25	15°18	5° 2	11°54	21°36	20°17	22°45	24°15	5°54	n.a.	F 19
S 20	6 57 11	16°10'23	9♏ 9	25°40	12°32	20° 9	15°28	4°59	11°56	21°35	20°19	22°43	24°12	6° 1	n.a.	S 20
S 21	7 1 8	17°10'26	23°34	27°34	13°45	20°53	15°38	4°56	11°59	21°34	20°20	22°39	24° 9	6° 7	n.a.	S 21
M22	7 5 4	18°10'27	8♐ 2	29°27	14°57	21°37	15°49	4°53	12° 1	21°33	20°22	22°35	24° 6	6°14	n.a.	M22
T 23	7 9 1	19°10'26	22°28	1♒19	16°10	22°21	15°59	4°50	12° 3	21°31	20°24	22°29	24° 3	6°21	n.a.	T 23
W24	7 12 58	20°10'23	6♑46	3°10	17°23	23° 5	16°10	4°48	12° 6	21°30	20°25	22°24	23°59	6°27	n.a.	W24
T 25	7 16 54	21°10'18	20°51	4°58	18°36	23°48	16°21	4°45	12° 8	21°29	20°27	22°20	23°56	6°34	n.a.	T 25
F 26	7 20 51	22°10'10	4♒38	6°44	19°49	24°32	16°31	4°43	12°11	21°27	20°29	22°17	23°53	6°41	n.a.	F 26
S 27	7 24 47	23°10'01	18° 3	8°28	21° 2	25°16	16°42	4°40	12°13	21°26	20°30	22°D16	23°50	6°48	n.a.	S 27
S 28	7 28 44	24° 9'49	1♓ 7	10° 8	22°15	25°59	16°53	4°38	12°16	21°25	20°32	22°16	23°47	6°54	n.a.	S 28
M29	7 32 40	25° 9'35	13°50	11°44	23°28	26°43	17° 5	4°36	12°18	21°23	20°34	22°18	23°43	7° 1	n.a.	M29
T 30	7 36 37	26° 9'18	26°14	13°15	24°41	27°26	17°16	4°33	12°21	21°22	20°35	22°19	23°40	7° 8	n.a.	T 30
W31	7 40 33	27♑ 8'59	8♈24	14♒42	25♐55	28♒10	17♓27	4♊31	12♓23	21♌20	20♐37	22♒21	23♒37	7♉14	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s51	8s26	1n 6	25s26	1s52	16s24	1n36	20s 4	1s 0	8s14	1s23	21n 6	0s39	8s 8	0s45	15n59	1n37	28s56	5s28	13s51	13s22	17n33		n.a.
T 2	23 53	2 41	2 8	25 35	1 54	16 46	1 33	19 52	1 0	8 11	1 22	21 6	0 39	8 7	0 45	16 0	1 37	28 56	5 28	13 51	13 23	17 35		n.a.
W 3	23 53	3n 2	3 4	25 42	1 56	17 8	1 30	19 40	0 59	8 7	1 22	21 5	0 39	8 7	0 45	16 0	1 37	28 56	5 28	13 51	13 24	17 38		n.a.
T 4	23 53	8 33	3 51	25 47	1 58	17 29	1 28	19 27	0 58	8 4	1 22	21 4	0 39	8 6	0 45	16 0	1 37	28 57	5 28	13 51	13 25	17 41		n.a.
F 5	23 53	13 44	4 27	25 51	1 59	17 50	1 25	19 15	0 58	8 0	1 21	21 4	0 39	8 5	0 45	16 1	1 37	28 57	5 28	13 52	13 26	17 43		n.a.
S 6	23 52	18 25	4 52	25 53	1 59	18 11	1 22	19 2	0 57	7 57	1 21	21 3	0 39	8 5	0 45	16 1	1 37	28 57	5 28	13 54	13 27	17 46		n.a.
S 7	23 51	22 25	5 5	25 52	1 59	18 31	1 19	18 49	0 56	7 53	1 21	21 3	0 38	8 4	0 45	16 1	1 37	28 57	5 28	13 57	13 28	17 48		n.a.
M 8	23 50	25 30	5 4	25 50	1 59	18 51	1 16	18 36	0 56	7 49	1 21	21 2	0 38	8 3	0 45	16 2	1 37	28 58	5 28	14 0	13 29	17 51		n.a.
T 9	23 47	27 29	4 50	25 46	1 58	19 10	1 13	18 23	0 55	7 46	1 20	21 2	0 38	8 2	0 45	16 2	1 37	28 58	5 29	14 3	13 30	17 54		n.a.
W10	23 45	28 8	4 21	25 39	1 56	19 28	1 10	18 9	0 54	7 42	1 20	21 1	0 38	8 2	0 44	16 2	1 37	28 58	5 29	14 6	13 31	17 56		n.a.
T 11	23 42	27 21	3 40	25 31	1 54	19 46	1 7	17 56	0 54	7 38	1 20	21 0	0 38	8 1	0 44	16 3	1 37	28 58	5 29	14 8	13 33	17 59		n.a.
F 12	23 38	25 7	2 47	25 20	1 52	20 4	1 4	17 42	0 53	7 34	1 20	21 0	0 38	8 0	0 44	16 3	1 37	28 59	5 29	14 11	13 34	18 2		n.a.
S 13	23 34	21 33	1 45	25 7	1 49	20 21	1 1	17 28	0 52	7 30	1 19	20 59	0 38	7 59	0 44	16 4	1 37	28 59	5 29	14 12	13 35	18 4		n.a.
S 14	23 30	16 51	0 35	24 52	1 45	20 37	0 58	17 14	0 52	7 26	1 19	20 59	0 37	7 59	0 44	16 4	1 37	28 59	5 29	14 13	13 36	18 7		n.a.
M15	23 25	11 17	0s37	24 34	1 41	20 53	0 55	17 0	0 51	7 22	1 19	20 58	0 37	7 58	0 44	16 4	1 37	29 0	5 29	14 13	13 37	18 9		n.a.
T 16	23 19	5 7	1 48	24 14	1 36	21 9	0 52	16 46	0 50	7 18	1 19	20 58	0 37	7 57	0 44	16 5	1 37	29 0	5 29	14 12	13 38	18 12		n.a.
W17	23 14	1s21	2 54	23 52	1 30	21 23	0 49	16 32	0 50	7 14	1 18	20 57	0 37	7 56	0 44	16 5	1 37	29 0	5 30	14 12	13 39	18 15		n.a.
T 18	23 7	7 51	3 51	23 28	1 24	21 38	0 46	16 17	0 49	7 10	1 18	20 57	0 37	7 55	0 44	16 6	1 38	29 0	5 30	14 11	13 40	18 17		n.a.
F 19	23 1	14 3	4 35	23 1	1 17	21 51	0 43	16 2	0 48	7 6	1 18	20 57	0 37	7 54	0 44	16 6	1 38	29 1	5 30	14 11	13 41	18 20		n.a.
S 20	22 53	19 34	5 2	22 33	1 10	22 4	0 40	15 48	0 48	7 1	1 18	20 56	0 36	7 53	0 44	16 7	1 38	29 1	5 30	14 12	13 42	18 22		n.a.
S 21	22 46	24 1	5 11	22 2	1 1	22 16	0 37	15 33	0 47	6 57	1 17	20 56	0 36	7 53	0 44	16 7	1 38	29 1	5 30	14 13	13 43	18 25		n.a.
M22	22 38	26 59	5 0	21 30	0 52	22 28	0 34	15 18	0 47	6 53	1 17	20 55	0 36	7 52	0 44	16 8	1 38	29 1	5 30	14 15	13 44	18 27		n.a.
T 23	22 29	28 10	4 30	20 56	0 42	22 39	0 31	15 3	0 46	6 48	1 17	20 55	0 36	7 51	0 44	16 8	1 38	29 2	5 30	14 17	13 45	18 30		n.a.
W24	22 21	27 25	3 43	20 20	0 32	22 49	0 28	14 47	0 45	6 44	1 17	20 55	0 36	7 50	0 44	16 9	1 38	29 2	5 31	14 18	13 47	18 33		n.a.
T 25	22 11	24 56	2 43	19 43	0 21	22 59	0 24	14 32	0 45	6 39	1 16	20 54	0 36	7 49	0 44	16 9	1 38	29 2	5 31	14 20	13 48	18 35		n.a.
F 26	22 2	21 0	1 35	19 5	0 9	23 8	0 21	14 17	0 44	6 35	1 16	20 54	0 36	7 48	0 44	16 9	1 38	29 2	5 31	14 21	13 49	18 38		n.a.
S 27	21 52	16 4	0 23	18 26	0n 3	23 17	0 18	14 1	0 43	6 30	1 16	20 54	0 35	7 47	0 44	16 10	1 38	29 3	5 31	14 21	13 50	18 40		n.a.
S 28	21 41	10 32	0n48	17 47	0 16	23 24	0 15	13 46	0 43	6 26	1 16	20 53	0 35	7 46	0 44	16 10	1 38	29 3	5 31	14 21	13 51	18 43		n.a.
M29	21 30	4 42	1 55	17 8	0 29	23 31	0 12	13 30	0 42	6 21	1 15	20 53	0 35	7 45	0 44	16 11	1 38	29 3	5 31	14 21	13 52	18 45		n.a.
T 30	21 19	1n 9	2 56	16 29	0 43	23 38	0 9	13 14	0 41	6 16	1 15	20 53	0 35	7 44	0 44	16 11	1 38	29 4	5 31	14 20	13 53	18 48		n.a.
W31	21s 7	6n51	3n47	15s50	0n56	23s43	0n 6	12s58	0s41	6s12	1s15	20n53	0s35	7s43	0s44	16n12	1n38	29s 4	5s32	14s19	13s54	18n50		n.a.

Julian Day Number = 1108533.5, Delta T = 10h54m59s
Ecliptic obliquity = 23°53'32, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'12, Lahiri = -27°06'11 Julian Calendar 1 Jan. 1678 BCE == Greg. Calendar 18 Dec. 1679 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

FEBRUARY 1678 BCE (-1677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 44 30	28♉ 8'38	20♈23	16♒ 3	27♐ 8	28♒53	17♓38	4°R29	12♓26	21°R19	20♐38	22♒22	23♒34	7♉21	n.a.	T 1
F 2	7 48 27	29° 8'14	2♉16	17°19	28°21	29°37	17°50	4♊28	12°29	21♏17	20°40	22°R22	23°31	7°28	n.a.	F 2
S 3	7 52 23	0♒ 7'48	14° 9	18°28	29°34	0♓20	18° 2	4°26	12°31	21°16	20°41	22°22	23°28	7°35	n.a.	S 3
S 4	7 56 20	1° 7'19	26° 5	19°31	0♉47	1° 3	18°13	4°24	12°34	21°14	20°43	22°20	23°24	7°41	n.a.	S 4
M 5	8 0 16	2° 6'48	8♊ 9	20°26	2° 0	1°46	18°25	4°23	12°37	21°13	20°44	22°17	23°21	7°48	n.a.	M 5
T 6	8 4 13	3° 6'15	20°25	21°14	3°13	2°30	18°37	4°21	12°40	21°11	20°46	22°14	23°18	7°55	n.a.	T 6
W 7	8 8 9	4° 5'39	2♋55	21°55	4°26	3°13	18°49	4°20	12°43	21°10	20°47	22°11	23°15	8° 2	n.a.	W 7
T 8	8 12 6	5° 5'01	15°42	22°28	5°39	3°56	19° 1	4°19	12°45	21° 8	20°49	22° 9	23°12	8° 8	n.a.	T 8
F 9	8 16 2	6° 4'20	28°45	22°52	6°52	4°39	19°13	4°18	12°48	21° 7	20°50	22° 7	23° 9	8°15	n.a.	F 9
S 10	8 19 59	7° 3'37	12♌ 4	23° 9	8° 5	5°22	19°25	4°17	12°51	21° 5	20°52	22° 6	23° 5	8°22	n.a.	S 10
S 11	8 23 55	8° 2'52	25°39	23°18	9°18	6° 5	19°37	4°16	12°54	21° 3	20°53	22°D 6	23° 2	8°28	n.a.	S 11
M12	8 27 52	9° 2'05	9♍26	23°R20	10°31	6°48	19°49	4°15	12°57	21° 2	20°54	22° 6	22°59	8°35	n.a.	M12
T 13	8 31 49	10° 1'16	23°24	23°13	11°44	7°31	20° 2	4°14	13° 0	21° 0	20°56	22° 7	22°56	8°42	n.a.	T 13
W14	8 35 45	11° 0'24	7♎30	23° 0	12°57	8°13	20°14	4°14	13° 3	20°59	20°57	22° 8	22°53	8°49	n.a.	W14
T 15	8 39 42	11°59'31	21°40	22°39	14°10	8°56	20°27	4°13	13° 6	20°57	20°58	22° 9	22°49	8°55	n.a.	T 15
F 16	8 43 38	12°58'36	5♏53	22°13	15°24	9°39	20°39	4°13	13° 9	20°55	21° 0	22° 9	22°46	9° 2	n.a.	F 16
S 17	8 47 35	13°57'39	20° 6	21°41	16°37	10°22	20°52	4°13	13°12	20°54	21° 1	22°R 9	22°43	9° 9	n.a.	S 17
S 18	8 51 31	14°56'40	4♐17	21° 3	17°50	11° 4	21° 4	4°13	13°15	20°52	21° 2	22° 9	22°40	9°15	n.a.	S 18
M19	8 55 28	15°55'40	18°23	20°22	19° 3	11°47	21°17	4°D13	13°19	20°50	21° 3	22° 8	22°37	9°22	n.a.	M19
T 20	8 59 24	16°54'37	2♑21	19°38	20°16	12°29	21°30	4°13	13°22	20°49	21° 4	22° 8	22°34	9°29	n.a.	T 20
W21	9 3 21	17°53'33	16°10	18°51	21°29	13°12	21°43	4°13	13°25	20°47	21° 6	22° 7	22°30	9°36	n.a.	W21
T 22	9 7 17	18°52'26	29°47	18° 3	22°42	13°54	21°56	4°13	13°28	20°46	21° 7	22° 7	22°27	9°42	n.a.	T 22
F 23	9 11 14	19°51'18	13♒10	17°15	23°56	14°37	22° 9	4°14	13°31	20°44	21° 8	22° 7	22°24	9°49	n.a.	F 23
S 24	9 15 11	20°50'07	26°17	16°27	25° 9	15°19	22°22	4°14	13°35	20°42	21° 9	22°D 7	22°21	9°56	n.a.	S 24
S 25	9 19 7	21°48'54	9♓ 9	15°41	26°22	16° 1	22°35	4°15	13°38	20°41	21°10	22°R 7	22°18	10° 2	n.a.	S 25
M26	9 23 4	22°47'39	21°44	14°56	27°35	16°44	22°48	4°16	13°41	20°39	21°11	22° 7	22°14	10° 9	n.a.	M26
T 27	9 27 0	23°46'21	4♈ 5	14°15	28°48	17°26	23° 1	4°17	13°44	20°37	21°12	22° 7	22°11	10°16	n.a.	T 27
W28	9 30 57	24♒45'01	16♈14	13♒37	0♒ 1	18♓ 8	23♓14	4♊18	13♓48	20♏36	21♐13	22♒ 6	22♒ 8	10♉23	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	20s55	12n13	4n27	15s12	1n11	23s48	0n 3	12s42	0s40	6s 7	1s15	20n52	0s35	7s42	0s44	16n13	1n38	29s 4	5s32	14s19	13s55	18n53		n.a.	T 1
F 2	20 43	17 6	4 55	14 36	1 25	23 53	0 0	12 26	0 39	6 2	1 15	20 52	0 34	7 41	0 44	16 13	1 38	29 4	5 32	14 19	13 56	18 55		n.a.	F 2
S 3	20 30	21 19	5 11	14 1	1 39	23 56	0s 3	12 10	0 39	5 57	1 14	20 52	0 34	7 39	0 44	16 14	1 38	29 5	5 32	14 19	13 57	18 58		n.a.	S 3
S 4	20 17	24 43	5 14	13 28	1 53	23 59	0 5	11 54	0 38	5 53	1 14	20 52	0 34	7 38	0 44	16 14	1 38	29 5	5 32	14 20	13 58	19 0		n.a.	S 4
M 5	20 4	27 3	5 3	12 57	2 7	24 1	0 8	11 37	0 37	5 48	1 14	20 52	0 34	7 37	0 44	16 15	1 38	29 5	5 32	14 21	13 59	19 3		n.a.	M 5
T 6	19 50	28 9	4 37	12 29	2 20	24 2	0 11	11 21	0 37	5 43	1 14	20 52	0 34	7 36	0 44	16 15	1 38	29 6	5 33	14 22	14 0	19 5		n.a.	T 6
W 7	19 36	27 50	3 59	12 3	2 33	24 3	0 14	11 4	0 36	5 38	1 14	20 52	0 34	7 35	0 44	16 16	1 38	29 6	5 33	14 23	14 1	19 8		n.a.	W 7
T 8	19 21	26 3	3 7	11 41	2 45	24 3	0 17	10 48	0 35	5 33	1 13	20 52	0 33	7 34	0 44	16 16	1 38	29 6	5 33	14 23	14 3	19 10		n.a.	T 8
F 9	19 7	22 51	2 5	11 22	2 57	24 2	0 20	10 31	0 35	5 28	1 13	20 52	0 33	7 33	0 44	16 17	1 38	29 6	5 33	14 24	14 4	19 13		n.a.	F 9
S 10	18 51	18 23	0 55	11 7	3 7	24 1	0 22	10 15	0 34	5 23	1 13	20 51	0 33	7 32	0 44	16 17	1 38	29 7	5 33	14 24	14 5	19 15		n.a.	S 10
S 11	18 36	12 54	0s20	10 55	3 17	23 58	0 25	9 58	0 33	5 18	1 13	20 51	0 33	7 30	0 43	16 18	1 38	29 7	5 34	14 24	14 6	19 18		n.a.	S 11
M12	18 20	6 43	1 34	10 46	3 25	23 55	0 28	9 41	0 33	5 13	1 13	20 52	0 33	7 29	0 43	16 18	1 38	29 7	5 34	14 24	14 7	19 20		n.a.	M12
T 13	18 4	0 9	2 45	10 42	3 32	23 52	0 30	9 24	0 32	5 8	1 12	20 52	0 33	7 28	0 43	16 19	1 38	29 8	5 34	14 24	14 8	19 23		n.a.	T 13
W14	17 48	6s28	3 45	10 41	3 38	23 47	0 33	9 7	0 31	5 3	1 12	20 52	0 32	7 27	0 43	16 19	1 38	29 8	5 34	14 24	14 9	19 25		n.a.	W14
T 15	17 31	12 48	4 33	10 43	3 42	23 42	0 35	8 50	0 31	4 57	1 12	20 52	0 32	7 26	0 43	16 20	1 38	29 8	5 34	14 23	14 10	19 27		n.a.	T 15
F 16	17 14	18 30	5 4	10 50	3 45	23 37	0 38	8 33	0 30	4 52	1 12	20 52	0 32	7 24	0 43	16 21	1 38	29 8	5 35	14 23	14 11	19 30		n.a.	F 16
S 17	16 57	23 10	5 16	10 59	3 46	23 30	0 40	8 16	0 29	4 47	1 12	20 52	0 32	7 23	0 43	16 21	1 38	29 9	5 35	14 23	14 12	19 32		n.a.	S 17
S 18	16 40	26 28	5 9	11 12	3 45	23 23	0 43	7 59	0 29	4 42	1 12	20 52	0 32	7 22	0 43	16 22	1 38	29 9	5 35	14 23	14 13	19 35		n.a.	S 18
M19	16 22	28 5	4 44	11 28	3 42	23 15	0 45	7 42	0 28	4 37	1 11	20 52	0 32	7 21	0 43	16 22	1 38	29 9	5 35	14 24	14 14	19 37		n.a.	M19
T 20	16 4	27 54	4 2	11 46	3 38	23 6	0 47	7 25	0 27	4 31	1 11	20 52	0 32	7 19	0 43	16 23	1 38	29 10	5 35	14 24	14 15	19 40		n.a.	T 20
W21	15 45	25 58	3 6	12 7	3 31	22 57	0 49	7 8	0 27	4 26	1 11	20 53	0 31	7 18	0 43	16 23	1 39	29 10	5 35	14 24	14 16	19 42		n.a.	W21
T 22	15 27	22 33	2 1	12 29	3 24	22 47	0 52	6 51	0 26	4 21	1 11	20 53	0 31	7 17	0 43	16 24	1 39	29 10	5 36	14 24	14 17	19 44		n.a.	T 22
F 23	15 8	17 58	0 49	12 53	3 14	22 37	0 54	6 33	0 25	4 15	1 11	20 53	0 31	7 16	0 43	16 24	1 39	29 10	5 36	14 24	14 18	19 47		n.a.	F 23
S 24	14 49	12 38	0n23	13 17	3 4	22 25	0 56	6 16	0 25	4 10	1 11	20 53	0 31	7 14	0 43	16 25	1 39	29 11	5 36	14 24	14 19	19 49		n.a.	S 24
S 25	14 30	6 52	1 33	13 42	2 52	22 13	0 58	5 59	0 24	4 4	1 10	20 54	0 31	7 13	0 43	16 26	1 39	29 11	5 36	14 24	14 21	19 52		n.a.	S 25
M26	14 11	0 57	2 37	14 8	2 39	22 1	1 0	5 42	0 23	3 59	1 10	20 54	0 31	7 12	0 43	16 26	1 39	29 11	5 37	14 24	14 22	19 54		n.a.	M26
T 27	13 51	4n53	3 32	14 33	2 25	21 48	1 2	5 24	0 23	3 54	1 10	20 54	0 30	7 10	0 43	16 27	1 39	29 12	5 37	14 24	14 23	19 56		n.a.	T 27
W28	13s31	10n26	4n17	14s58	2n11	21s34	1s 4	5s 7	0s22	3s48	1s10	20n54	0s30	7s 9	0s43	16n27	1n39	29s12	5s37	14s24	14s24	19n59		n.a.	W28

Julian Day Number = 1108564.5, Delta T = 10h54m57s
Ecliptic obliquity = 23°53'32, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'07, Lahiri = -27°06'07 Julian Calendar 1 Feb. 1678 BCE == Greg. Calendar 18 Jan. 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

MARCH 1678 BCE (-1677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 34 53	25♒43'39	28♈14	13°R 4	1♒14	18♓50	23♓27	4♊19	13♓51	20°R34	21♐14	22°R 6	22♒ 5	10♉29	n.a.	T 1
F 2	9 38 50	26°42'14	10♉ 8	12♒35	2°28	19°32	23°41	4°20	13°54	20♑32	21°15	22♒ 5	22° 2	10°36	n.a.	F 2
S 3	9 42 46	27°40'48	22° 1	12°11	3°41	20°14	23°54	4°21	13°58	20°31	21°16	22°D 5	21°59	10°43	n.a.	S 3
S 4	9 46 43	28°39'19	3♊57	11°51	4°54	20°56	24° 7	4°23	14° 1	20°29	21°17	22° 5	21°55	10°50	n.a.	S 4
M 5	9 50 39	29°37'47	16° 1	11°37	6° 7	21°38	24°21	4°24	14° 4	20°27	21°18	22° 6	21°52	10°56	n.a.	M 5
T 6	9 54 36	0♓36'14	28°17	11°28	7°20	22°20	24°34	4°26	14° 8	20°26	21°19	22° 6	21°49	11° 3	n.a.	T 6
W 7	9 58 33	1°34'38	10♋50	11°D24	8°33	23° 2	24°48	4°28	14°11	20°24	21°20	22° 7	21°46	11°10	n.a.	W 7
T 8	10 2 29	2°32'59	23°42	11°26	9°47	23°44	25° 1	4°29	14°14	20°23	21°20	22° 8	21°43	11°16	n.a.	T 8
F 9	10 6 26	3°31'19	6♌55	11°32	11° 0	24°26	25°15	4°31	14°18	20°21	21°21	22° 9	21°40	11°23	n.a.	F 9
S 10	10 10 22	4°29'37	20°31	11°44	12°13	25° 7	25°28	4°33	14°21	20°19	21°22	22°R 9	21°36	11°30	n.a.	S 10
S 11	10 14 19	5°27'52	4♍27	12° 0	13°26	25°49	25°42	4°35	14°25	20°18	21°23	22° 9	21°33	11°37	n.a.	S 11
M12	10 18 15	6°26'05	18°40	12°21	14°39	26°31	25°56	4°38	14°28	20°16	21°23	22° 8	21°30	11°43	n.a.	M12
T 13	10 22 12	7°24'17	3♎ 7	12°46	15°52	27°12	26° 9	4°40	14°31	20°15	21°24	22° 6	21°27	11°50	n.a.	T 13
W14	10 26 8	8°22'26	17°40	13°16	17° 6	27°54	26°23	4°42	14°35	20°13	21°25	22° 4	21°24	11°57	n.a.	W14
T 15	10 30 5	9°20'34	2♏15	13°49	18°19	28°35	26°37	4°45	14°38	20°12	21°25	22° 2	21°20	12° 3	n.a.	T 15
F 16	10 34 1	10°18'41	16°45	14°27	19°32	29°17	26°51	4°48	14°42	20°10	21°26	22° 1	21°17	12°10	n.a.	F 16
S 17	10 37 58	11°16'46	1♐ 5	15° 9	20°45	29°58	27° 4	4°50	14°45	20° 9	21°27	21°59	21°14	12°17	n.a.	S 17
S 18	10 41 55	12°14'49	15°14	15°54	21°58	0♈40	27°18	4°53	14°48	20° 7	21°27	21°D59	21°11	12°24	n.a.	S 18
M19	10 45 51	13°12'51	29° 8	16°43	23°12	1°21	27°32	4°56	14°52	20° 6	21°28	22° 0	21° 8	12°30	n.a.	M19
T 20	10 49 48	14°10'52	12♑48	17°35	24°25	2° 2	27°46	4°59	14°55	20° 4	21°28	22° 1	21° 5	12°37	n.a.	T 20
W21	10 53 44	15° 8'51	26°14	18°30	25°38	2°44	28° 0	5° 2	14°59	20° 3	21°29	22° 2	21° 1	12°44	n.a.	W21
T 22	10 57 41	16° 6'48	9♒25	19°28	26°51	3°25	28°14	5° 6	15° 2	20° 1	21°29	22° 4	20°58	12°51	n.a.	T 22
F 23	11 1 37	17° 4'44	22°24	20°30	28° 4	4° 6	28°28	5° 9	15° 6	20° 0	21°30	22°R 4	20°55	12°57	n.a.	F 23
S 24	11 5 34	18° 2'38	5♓10	21°34	29°18	4°47	28°42	5°12	15° 9	19°58	21°30	22° 4	20°52	13° 4	n.a.	S 24
S 25	11 9 30	19° 0'30	17°44	22°41	0♓31	5°28	28°55	5°16	15°13	19°57	21°30	22° 2	20°49	13°11	n.a.	S 25
M26	11 13 27	19°58'21	0♈ 7	23°50	1°44	6° 9	29° 9	5°19	15°16	19°56	21°31	21°58	20°46	13°17	n.a.	M26
T 27	11 17 24	20°56'10	12°20	25° 2	2°57	6°51	29°23	5°23	15°19	19°54	21°31	21°54	20°42	13°24	n.a.	T 27
W28	11 21 20	21°53'57	24°24	26°17	4°11	7°32	29°37	5°27	15°23	19°53	21°31	21°49	20°39	13°31	n.a.	W28
T 29	11 25 17	22°51'43	6♉21	27°34	5°24	8°12	29°51	5°31	15°26	19°52	21°32	21°43	20°36	13°38	n.a.	T 29
F 30	11 29 13	23°49'27	18°14	28°54	6°37	8°53	0♈ 5	5°35	15°30	19°50	21°32	21°39	20°33	13°44	n.a.	F 30
S 31	11 33 10	24♓47'09	0♊ 6	0♓15	7♓50	9♈34	0♈19	5♊39	15♓33	19♑49	21♐32	21♒35	20♒30	13♉51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13s11	15n32	4n50	15s22	1n56	21s19	1s 5	4s49	0s21	3s43	1s10	20n55	0s30	7s 8	0s43	16n28	1n39	29s12	5s37	14s24	14s25	20n 1			n.a.
F 2	12 51	20 1	5 10	15 45	1 40	21 4	1 7	4 32	0 21	3 37	1 10	20 55	0 30	7 7	0 43	16 28	1 39	29 12	5 37	14 25	14 26	20 3			n.a.
S 3	12 30	23 42	5 17	16 7	1 25	20 49	1 9	4 15	0 20	3 32	1 10	20 56	0 30	7 5	0 43	16 29	1 39	29 13	5 38	14 25	14 27	20 6			n.a.
S 4	12 10	26 24	5 10	16 27	1 9	20 32	1 10	3 57	0 19	3 26	1 10	20 56	0 30	7 4	0 43	16 29	1 39	29 13	5 38	14 25	14 28	20 8			n.a.
M 5	11 49	27 56	4 50	16 46	0 53	20 15	1 12	3 40	0 19	3 21	1 9	20 56	0 30	7 3	0 43	16 30	1 39	29 13	5 38	14 25	14 29	20 10			n.a.
T 6	11 28	28 9	4 16	17 4	0 38	19 58	1 14	3 22	0 18	3 15	1 9	20 57	0 29	7 1	0 43	16 30	1 39	29 14	5 38	14 24	14 30	20 13			n.a.
W 7	11 7	26 55	3 29	17 19	0 23	19 40	1 15	3 5	0 17	3 10	1 9	20 57	0 29	7 0	0 43	16 31	1 39	29 14	5 38	14 24	14 31	20 15			n.a.
T 8	10 46	24 15	2 31	17 33	0 8	19 22	1 16	2 47	0 17	3 4	1 9	20 58	0 29	6 59	0 43	16 31	1 39	29 14	5 39	14 24	14 32	20 17			n.a.
F 9	10 24	20 14	1 23	17 45	0s 6	19 3	1 18	2 30	0 16	2 58	1 9	20 58	0 29	6 57	0 43	16 32	1 39	29 14	5 39	14 23	14 33	20 20			n.a.
S 10	10 3	15 4	0 9	17 55	0 20	18 43	1 19	2 13	0 16	2 53	1 9	20 59	0 29	6 56	0 43	16 32	1 39	29 15	5 39	14 23	14 34	20 22			n.a.
S 11	9 41	9 1	1s 7	18 3	0 33	18 23	1 20	1 55	0 15	2 47	1 9	20 59	0 29	6 55	0 43	16 33	1 39	29 15	5 39	14 23	14 35	20 24			n.a.
M12	9 19	2 24	2 21	18 9	0 45	18 2	1 21	1 38	0 14	2 42	1 9	21 0	0 28	6 53	0 43	16 33	1 39	29 15	5 40	14 24	14 36	20 27			n.a.
T 13	8 57	4s25	3 27	18 13	0 57	17 41	1 22	1 20	0 14	2 36	1 8	21 1	0 28	6 52	0 43	16 34	1 39	29 15	5 40	14 24	14 37	20 29			n.a.
W14	8 35	11 3	4 20	18 15	1 9	17 19	1 23	1 3	0 13	2 30	1 8	21 1	0 28	6 50	0 43	16 34	1 39	29 16	5 40	14 25	14 38	20 31			n.a.
T 15	8 13	17 6	4 57	18 15	1 20	16 57	1 24	0 46	0 12	2 25	1 8	21 2	0 28	6 49	0 43	16 35	1 39	29 16	5 40	14 26	14 39	20 34			n.a.
F 16	7 51	22 9	5 14	18 14	1 30	16 35	1 25	0 28	0 12	2 19	1 8	21 2	0 28	6 48	0 43	16 35	1 39	29 16	5 41	14 26	14 40	20 36			n.a.
S 17	7 28	25 50	5 11	18 10	1 39	16 12	1 26	0 11	0 11	2 13	1 8	21 3	0 28	6 46	0 43	16 36	1 39	29 17	5 41	14 27	14 41	20 38			n.a.
S 18	7 6	27 51	4 50	18 5	1 48	15 49	1 26	0n 7	0 10	2 8	1 8	21 4	0 28	6 45	0 43	16 36	1 39	29 17	5 41	14 27	14 42	20 40			n.a.
M19	6 43	28 5	4 11	17 58	1 56	15 25	1 27	0 24	0 10	2 2	1 8	21 4	0 27	6 44	0 43	16 37	1 39	29 17	5 41	14 26	14 43	20 43			n.a.
T 20	6 20	26 34	3 19	17 48	2 3	15 0	1 28	0 41	0 9	1 56	1 8	21 5	0 27	6 42	0 43	16 37	1 38	29 17	5 41	14 26	14 45	20 45			n.a.
W21	5 58	23 33	2 17	17 37	2 10	14 36	1 28	0 58	0 9	1 50	1 8	21 6	0 27	6 41	0 43	16 38	1 38	29 18	5 42	14 26	14 46	20 47			n.a.
T 22	5 35	19 20	1 9	17 24	2 16	14 11	1 29	1 16	0 8	1 45	1 7	21 7	0 27	6 40	0 43	16 38	1 38	29 18	5 42	14 25	14 47	20 49			n.a.
F 23	5 12	14 17	0n 2	17 10	2 22	13 45	1 29	1 33	0 7	1 39	1 7	21 7	0 27	6 38	0 43	16 39	1 38	29 18	5 42	14 25	14 48	20 52			n.a.
S 24	4 49	8 42	1 11	16 53	2 26	13 20	1 29	1 50	0 7	1 33	1 7	21 8	0 27	6 37	0 43	16 39	1 38	29 18	5 42	14 25	14 49	20 54			n.a.
S 25	4 26	2 51	2 16	16 35	2 30	12 53	1 30	2 7	0 6	1 28	1 7	21 9	0 27	6 36	0 43	16 40	1 38	29 19	5 43	14 26	14 50	20 56			n.a.
M26	4 3	3n 0	3 13	16 14	2 34	12 27	1 30	2 24	0 5	1 22	1 7	21 10	0 26	6 34	0 43	16 40	1 38	29 19	5 43	14 27	14 51	20 58			n.a.
T 27	3 39	8 39	4 1	15 52	2 37	12 0	1 30	2 41	0 5	1 16	1 7	21 11	0 26	6 33	0 43	16 40	1 38	29 19	5 43	14 28	14 52	21 1			n.a.
W28	3 16	13 54	4 37	15 29	2 39	11 33	1 30	2 59	0 4	1 10	1 7	21 11	0 26	6 32	0 43	16 41	1 38	29 19	5 43	14 30	14 53	21 3			n.a.
T 29	2 53	18 36	5 0	15 3	2 41	11 6	1 30	3 16	0 4	1 5	1 7	21 12	0 26	6 30	0 43	16 41	1 38	29 20	5 44	14 32	14 54	21 5			n.a.
F 30	2 30	22 33	5 11	14 36	2 41	10 38	1 30	3 33	0 3	0 59	1 7	21 13	0 26	6 29	0 43	16 42	1 38	29 20	5 44	14 33	14 55	21 7			n.a.
S 31	2s 7	25n34	5n 8	14s 6	2s42	10s10	1s30	3n49	0s 2	0s53	1s 7	21n14	0s26	6s27	0s43	16n42	1n38	29s20	5s44	14s35	14s56	21n 9			n.a.

Julian Day Number = 1108592.5, Delta T = 10h54m55s
Ecliptic obliquity = 23°53'32, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°13'04, Lahiri = -27°06'03 Julian Calendar 1 March 1678 BCE == Greg. Calendar 15 Feb. 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

APRIL 1678 BCE (-1677) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 37 6	25♓44'49	12♊ 1	1♓40	9♓ 4	10♈15	0♈33	5♊43	15♓37	19°R48	21♐32	21°R32	20♒26	13♉58	n.a.	S 1
M 2	11 41 3	26°42'28	24° 3	3° 6	10°17	10°56	0°47	5°47	15°40	19♎46	21°32	21°D31	20°23	14° 4	n.a.	M 2
T 3	11 44 59	27°40'05	6♋17	4°35	11°30	11°37	1° 1	5°51	15°43	19°45	21°33	21♒32	20°20	14°11	n.a.	T 3
W 4	11 48 56	28°37'40	18°47	6° 5	12°43	12°17	1°16	5°56	15°47	19°44	21°33	21°33	20°17	14°18	n.a.	W 4
T 5	11 52 53	29°35'14	1♎38	7°39	13°57	12°58	1°30	6° 0	15°50	19°43	21°33	21°34	20°14	14°25	n.a.	T 5
F 6	11 56 49	0♈32'46	14°54	9°14	15°10	13°39	1°44	6° 5	15°53	19°42	21°33	21°R35	20°11	14°31	n.a.	F 6
S 7	12 0 46	1°30'16	28°35	10°51	16°23	14°19	1°58	6° 9	15°57	19°41	21°R33	21°35	20° 7	14°38	n.a.	S 7
S 8	12 4 42	2°27'45	12♍43	12°31	17°36	15° 0	2°12	6°14	16° 0	19°39	21°33	21°34	20° 4	14°45	n.a.	S 8
M 9	12 8 39	3°25'12	27°15	14°13	18°50	15°40	2°26	6°19	16° 3	19°38	21°33	21°30	20° 1	14°52	n.a.	M 9
T 10	12 12 35	4°22'39	12♏ 4	15°56	20° 3	16°21	2°40	6°24	16° 7	19°37	21°33	21°25	19°58	14°58	n.a.	T 10
W11	12 16 32	5°20'03	27° 3	17°43	21°16	17° 1	2°54	6°29	16°10	19°36	21°33	21°19	19°55	15° 5	n.a.	W11
T 12	12 20 28	6°17'27	12♐ 3	19°31	22°30	17°42	3° 8	6°34	16°13	19°35	21°32	21°12	19°51	15°12	n.a.	T 12
F 13	12 24 25	7°14'50	26°54	21°21	23°43	18°22	3°22	6°39	16°17	19°34	21°32	21° 6	19°48	15°18	n.a.	F 13
S 14	12 28 22	8°12'12	11♑30	23°14	24°56	19° 2	3°36	6°44	16°20	19°33	21°32	21° 2	19°45	15°25	n.a.	S 14
S 15	12 32 18	9° 9'33	25°47	25° 8	26° 9	19°43	3°50	6°49	16°23	19°32	21°32	20°59	19°42	15°32	n.a.	S 15
M16	12 36 15	10° 6'54	9♒41	27° 5	27°23	20°23	4° 4	6°54	16°26	19°31	21°32	20°D58	19°39	15°39	n.a.	M16
T 17	12 40 11	11° 4'14	23°14	29° 4	28°36	21° 3	4°18	7° 0	16°30	19°31	21°31	20°59	19°36	15°45	n.a.	T 17
W18	12 44 8	12° 1'33	6♒26	1♈ 5	29°49	21°43	4°32	7° 5	16°33	19°30	21°31	21° 0	19°32	15°52	n.a.	W18
T 19	12 48 4	12°58'51	19°21	3° 7	1♈ 3	22°23	4°46	7°11	16°36	19°29	21°31	21°R 1	19°29	15°59	n.a.	T 19
F 20	12 52 1	13°56'08	2♓ 2	5°11	2°16	23° 4	5° 0	7°16	16°39	19°28	21°31	21° 0	19°26	16° 6	n.a.	F 20
S 21	12 55 57	14°53'24	14°30	7°17	3°30	23°44	5°13	7°22	16°42	19°27	21°30	20°58	19°23	16°12	n.a.	S 21
S 22	12 59 54	15°50'40	26°48	9°25	4°43	24°24	5°27	7°28	16°45	19°26	21°30	20°53	19°20	16°19	n.a.	S 22
M23	13 3 51	16°47'55	8♈59	11°33	5°56	25° 4	5°41	7°33	16°48	19°26	21°29	20°45	19°17	16°26	n.a.	M23
T 24	13 7 47	17°45'09	21° 2	13°43	7°10	25°44	5°55	7°39	16°51	19°25	21°29	20°36	19°13	16°32	n.a.	T 24
W25	13 11 44	18°42'23	3♉ 0	15°54	8°23	26°24	6° 9	7°45	16°55	19°24	21°29	20°25	19°10	16°39	n.a.	W25
T 26	13 15 40	19°39'35	14°54	18° 5	9°37	27° 4	6°23	7°51	16°58	19°24	21°28	20°14	19° 7	16°46	n.a.	T 26
F 27	13 19 37	20°36'47	26°46	20°16	10°50	27°43	6°37	7°57	17° 1	19°23	21°28	20° 4	19° 4	16°53	n.a.	F 27
S 28	13 23 33	21°33'58	8♊37	22°28	12° 3	28°23	6°50	8° 3	17° 4	19°23	21°27	19°55	19° 1	16°59	n.a.	S 28
S 29	13 27 30	22°31'08	20°32	24°40	13°17	29° 3	7° 4	8° 9	17° 6	19°22	21°27	19°48	18°57	17° 6	n.a.	S 29
M30	13 31 26	23♈28'17	2♋32	26♈50	14♈30	29♈43	7♈18	8♊16	17♓ 9	19♎21	21♑26	19♒43	18♒54	17♉13	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s43	27n29	4n52	13s35	2s42	9s42	1s29	4n 6	0s 2	0s47	1s 7	21n15	0s26	6s26	0s43	16n42	1n38	29s20	5s44	14s35	14s57	21n12		n.a.
M 2	1 20	28 8	4 23	13 3	2 41	9 14	1 29	4 23	0 1	0 42	1 7	21 16	0 25	6 25	0 43	16 43	1 38	29 21	5 44	14 36	14 58	21 14		n.a.
T 3	0 57	27 26	3 42	12 28	2 39	8 45	1 29	4 40	0 1	0 36	1 7	21 17	0 25	6 23	0 43	16 43	1 38	29 21	5 45	14 36	14 59	21 16		n.a.
W 4	0 33	25 20	2 49	11 52	2 37	8 16	1 28	4 57	0n 0	0 30	1 6	21 17	0 25	6 22	0 43	16 44	1 38	29 21	5 45	14 35	15 0	21 18		n.a.
T 5	0 10	21 54	1 46	11 14	2 34	7 47	1 28	5 13	0 1	0 24	1 6	21 18	0 25	6 21	0 43	16 44	1 38	29 21	5 45	14 35	15 1	21 20		n.a.
F 6	0n13	17 15	0 36	10 35	2 31	7 17	1 27	5 30	0 1	0 19	1 6	21 19	0 25	6 19	0 43	16 44	1 38	29 22	5 45	14 34	15 2	21 22		n.a.
S 7	0 37	11 36	0s38	9 54	2 27	6 48	1 27	5 47	0 2	0 13	1 6	21 20	0 25	6 18	0 43	16 45	1 38	29 22	5 46	14 34	15 3	21 25		n.a.
S 8	1 0	5 11	1 52	9 11	2 23	6 18	1 26	6 3	0 2	0 7	1 6	21 21	0 25	6 17	0 43	16 45	1 38	29 22	5 46	14 35	15 4	21 27		n.a.
M 9	1 23	1s38	3 1	8 26	2 18	5 48	1 25	6 20	0 3	0 2	1 6	21 22	0 24	6 16	0 43	16 45	1 38	29 22	5 46	14 36	15 5	21 29		n.a.
T 10	1 46	8 30	3 59	7 40	2 12	5 18	1 25	6 36	0 4	0n 4	1 6	21 23	0 24	6 14	0 43	16 46	1 38	29 23	5 46	14 38	15 6	21 31		n.a.
W11	2 9	14 58	4 41	6 52	2 6	4 48	1 24	6 52	0 4	0 10	1 6	21 24	0 24	6 13	0 43	16 46	1 38	29 23	5 47	14 40	15 7	21 33		n.a.
T 12	2 33	20 33	5 4	6 3	1 59	4 18	1 23	7 9	0 5	0 16	1 6	21 25	0 24	6 12	0 43	16 46	1 38	29 23	5 47	14 42	15 8	21 35		n.a.
F 13	2 56	24 48	5 6	5 12	1 52	3 47	1 22	7 25	0 5	0 21	1 6	21 26	0 24	6 10	0 43	16 46	1 38	29 23	5 47	14 44	15 9	21 37		n.a.
S 14	3 19	27 21	4 49	4 20	1 44	3 17	1 21	7 41	0 6	0 27	1 6	21 27	0 24	6 9	0 43	16 47	1 38	29 23	5 47	14 45	15 10	21 40		n.a.
S 15	3 42	28 3	4 13	3 26	1 36	2 46	1 20	7 57	0 7	0 33	1 6	21 28	0 24	6 8	0 43	16 47	1 38	29 24	5 48	14 46	15 11	21 42		n.a.
M16	4 5	26 55	3 24	2 31	1 28	2 16	1 19	8 13	0 7	0 38	1 6	21 29	0 24	6 7	0 43	16 47	1 38	29 24	5 48	14 47	15 12	21 44		n.a.
T 17	4 28	24 13	2 24	1 35	1 19	1 45	1 17	8 29	0 8	0 44	1 6	21 30	0 23	6 5	0 43	16 47	1 38	29 24	5 48	14 46	15 13	21 46		n.a.
W18	4 50	20 16	1 18	0 37	1 9	1 14	1 16	8 45	0 8	0 50	1 6	21 31	0 23	6 4	0 43	16 48	1 38	29 24	5 48	14 46	15 14	21 48		n.a.
T 19	5 13	15 26	0 9	0n21	1 0	0 43	1 15	9 1	0 9	0 55	1 6	21 32	0 23	6 3	0 43	16 48	1 38	29 25	5 48	14 46	15 15	21 50		n.a.
F 20	5 36	10 2	0n59	1 21	0 50	0 12	1 13	9 16	0 9	1 1	1 6	21 33	0 23	6 2	0 43	16 48	1 38	29 25	5 49	14 46	15 16	21 52		n.a.
S 21	5 58	4 20	2 3	2 21	0 39	0n19	1 12	9 32	0 10	1 7	1 6	21 34	0 23	6 0	0 43	16 48	1 38	29 25	5 49	14 47	15 17	21 54		n.a.
S 22	6 21	1n27	3 0	3 21	0 29	0 50	1 11	9 48	0 11	1 12	1 6	21 36	0 23	5 59	0 43	16 49	1 38	29 25	5 49	14 48	15 18	21 56		n.a.
M23	6 43	7 6	3 47	4 22	0 18	1 21	1 9	10 3	0 11	1 18	1 6	21 37	0 23	5 58	0 43	16 49	1 38	29 25	5 49	14 51	15 19	21 58		n.a.
T 24	7 6	12 26	4 25	5 24	0 8	1 52	1 8	10 19	0 12	1 24	1 6	21 38	0 23	5 57	0 43	16 49	1 38	29 26	5 50	14 54	15 20	22 0		n.a.
W25	7 28	17 16	4 50	6 25	0n 3	2 23	1 6	10 34	0 12	1 29	1 6	21 39	0 22	5 55	0 43	16 49	1 38	29 26	5 50	14 57	15 21	22 2		n.a.
T 26	7 50	21 25	5 2	7 26	0 13	2 54	1 4	10 49	0 13	1 35	1 6	21 40	0 22	5 54	0 43	16 49	1 37	29 26	5 50	15 1	15 22	22 4		n.a.
F 27	8 12	24 41	5 1	8 26	0 24	3 25	1 3	11 4	0 13	1 40	1 5	21 41	0 22	5 53	0 43	16 50	1 37	29 26	5 50	15 4	15 23	22 7		n.a.
S 28	8 34	26 53	4 48	9 26	0 34	3 55	1 1	11 19	0 14	1 46	1 5	21 42	0 22	5 52	0 43	16 50	1 37	29 26	5 50	15 7	15 24	22 9		n.a.
S 29	8 55	27 53	4 21	10 24	0 44	4 26	0 59	11 34	0 15	1 51	1 5	21 43	0 22	5 51	0 43	16 50	1 37	29 26	5 51	15 9	15 25	22 11		n.a.
M30	9n17	27n35	3n43	11n22	0n53	4n57	0s57	11n49	0n15	1n57	1s 5	21n44	0s22	5s50	0s43	16n50	1n37	29s27	5s51	15s11	15s26	22n13		n.a.

Julian Day Number = 1108623.5, Delta T = 10h54m53s
Ecliptic obliquity = 23°53'32, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'59, Lahiri = -27°05'59 Julian Calendar 1 Apr. 1678 BCE == Greg. Calendar 18 March 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

MAY 1678 BCE (-1677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 35 23	24♈25'25	14♋44	29♈ 1	15♈44	0♉23	7♈32	8♊22	17♓12	19°R21	21°R25	19°R41	18♒51	17♉20	n.a.	T 1
W 2	13 39 20	25°22'33	27°11	1♉10	16°57	1° 2	7°45	8°28	17°15	19♌21	21♐25	19°D41	18°48	17°26	n.a.	W 2
T 3	13 43 16	26°19'40	9♌58	3°18	18°11	1°42	7°59	8°34	17°18	19°20	21°24	19♒41	18°45	17°33	n.a.	T 3
F 4	13 47 13	27°16'45	23° 9	5°25	19°24	2°22	8°12	8°41	17°21	19°20	21°23	19°R41	18°42	17°40	n.a.	F 4
S 5	13 51 9	28°13'51	6♍48	7°30	20°37	3° 1	8°26	8°47	17°24	19°19	21°23	19°40	18°38	17°46	n.a.	S 5
S 6	13 55 6	29°10'55	20°56	9°33	21°51	3°41	8°40	8°54	17°26	19°19	21°22	19°37	18°35	17°53	n.a.	S 6
M 7	13 59 2	0♎ 7'59	5♎32	11°35	23° 4	4°21	8°53	9° 0	17°29	19°19	21°21	19°31	18°32	18° 0	n.a.	M 7
T 8	14 2 59	1° 5'02	20°31	13°35	24°18	5° 0	9° 7	9° 7	17°32	19°18	21°21	19°23	18°29	18° 7	n.a.	T 8
W 9	14 6 55	2° 2'05	5♏44	15°32	25°31	5°40	9°20	9°14	17°35	19°18	21°20	19°14	18°26	18°13	n.a.	W 9
T 10	14 10 52	2°59'07	21° 1	17°28	26°45	6°19	9°33	9°20	17°37	19°18	21°19	19° 4	18°23	18°20	n.a.	T 10
F 11	14 14 49	3°56'10	6♐11	19°21	27°58	6°59	9°47	9°27	17°40	19°18	21°18	18°55	18°19	18°27	n.a.	F 11
S 12	14 18 45	4°53'12	21° 4	21°13	29°12	7°38	10° 0	9°34	17°42	19°18	21°17	18°47	18°16	18°33	n.a.	S 12
S 13	14 22 42	5°50'15	5♑32	23° 2	0♉26	8°17	10°13	9°41	17°45	19°18	21°16	18°42	18°13	18°40	n.a.	S 13
M14	14 26 38	6°47'18	19°34	24°49	1°39	8°57	10°27	9°47	17°48	19°17	21°16	18°39	18°10	18°47	n.a.	M14
T 15	14 30 35	7°44'20	3♒ 9	26°33	2°53	9°36	10°40	9°54	17°50	19°17	21°15	18°D38	18° 7	18°54	n.a.	T 15
W16	14 34 31	8°41'23	16°19	28°16	4° 6	10°15	10°53	10° 1	17°53	19°D17	21°14	18°R38	18° 3	19° 0	n.a.	W16
T 17	14 38 28	9°38'26	29° 7	29°56	5°20	10°55	11° 6	10° 8	17°55	19°17	21°13	18°38	18° 0	19° 7	n.a.	T 17
F 18	14 42 25	10°35'30	11♓38	1♊34	6°34	11°34	11°19	10°15	17°57	19°17	21°12	18°36	17°57	19°14	n.a.	F 18
S 19	14 46 21	11°32'33	23°56	3°10	7°47	12°13	11°32	10°22	18° 0	19°18	21°11	18°32	17°54	19°21	n.a.	S 19
S 20	14 50 18	12°29'37	6♈ 4	4°44	9° 1	12°52	11°45	10°29	18° 2	19°18	21°10	18°26	17°51	19°27	n.a.	S 20
M21	14 54 14	13°26'41	18° 4	6°15	10°15	13°32	11°58	10°37	18° 4	19°18	21° 9	18°16	17°48	19°34	n.a.	M21
T 22	14 58 11	14°23'45	0♉ 0	7°44	11°28	14°11	12°11	10°44	18° 7	19°18	21° 8	18° 4	17°44	19°41	n.a.	T 22
W23	15 2 7	15°20'49	11°54	9°11	12°42	14°50	12°24	10°51	18° 9	19°18	21° 7	17°51	17°41	19°47	n.a.	W23
T 24	15 6 4	16°17'54	23°46	10°35	13°56	15°29	12°36	10°58	18°11	19°18	21° 6	17°37	17°38	19°54	n.a.	T 24
F 25	15 10 1	17°14'59	5♊38	11°57	15° 9	16° 8	12°49	11° 5	18°13	19°19	21° 5	17°23	17°35	20° 1	n.a.	F 25
S 26	15 13 57	18°12'04	17°31	13°17	16°23	16°47	13° 2	11°13	18°15	19°19	21° 3	17°12	17°32	20° 8	n.a.	S 26
S 27	15 17 54	19° 9'10	29°29	14°34	17°37	17°26	13°14	11°20	18°17	19°19	21° 2	17° 3	17°28	20°14	n.a.	S 27
M28	15 21 50	20° 6'15	11♋32	15°49	18°51	18° 5	13°27	11°27	18°19	19°20	21° 1	16°56	17°25	20°21	n.a.	M28
T 29	15 25 47	21° 3'21	23°46	17° 1	20° 4	18°44	13°39	11°35	18°21	19°20	21° 0	16°53	17°22	20°28	n.a.	T 29
W30	15 29 43	22° 0'26	6♌12	18°11	21°18	19°23	13°52	11°42	18°23	19°20	20°59	16°51	17°19	20°35	n.a.	W30
T 31	15 33 40	22♉57'32	18♌57	19♊18	22♉32	20♉ 2	14♈ 4	11♊50	18♓25	19♌21	20♐58	16♒51	17♒16	20♉41	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	9n38	25n57	2n55	12n18	1n 2	5n27	0s55	12n 4	0n16	2n 3	1s 5	21n45	0s22	5s48	0s43	16n50	1n37	29s27	5s51	15s11	15s27	22n15			n.a.
W 2	10 0	23 2	1 57	13 12	1 11	5 58	0 54	12 19	0 16	2 8	1 5	21 47	0 22	5 47	0 43	16 50	1 37	29 27	5 51	15 12	15 28	22 17			n.a.
T 3	10 21	18 55	0 52	14 5	1 19	6 28	0 52	12 33	0 17	2 14	1 5	21 48	0 22	5 46	0 43	16 50	1 37	29 27	5 52	15 11	15 29	22 19			n.a.
F 4	10 42	13 46	0s18	14 56	1 27	6 58	0 50	12 48	0 17	2 19	1 5	21 49	0 21	5 45	0 43	16 50	1 37	29 27	5 52	15 11	15 30	22 21			n.a.
S 5	11 3	7 48	1 30	15 45	1 34	7 28	0 48	13 2	0 18	2 24	1 5	21 50	0 21	5 44	0 43	16 50	1 37	29 27	5 52	15 12	15 31	22 23			n.a.
S 6	11 23	1 15	2 38	16 31	1 40	7 58	0 46	13 16	0 19	2 30	1 5	21 51	0 21	5 43	0 43	16 50	1 37	29 28	5 52	15 13	15 32	22 25			n.a.
M 7	11 44	5s34	3 38	17 16	1 46	8 28	0 44	13 30	0 19	2 35	1 5	21 52	0 21	5 42	0 43	16 51	1 37	29 28	5 52	15 15	15 33	22 27			n.a.
T 8	12 4	12 14	4 24	17 58	1 51	8 57	0 41	13 44	0 20	2 41	1 5	21 53	0 21	5 41	0 43	16 51	1 37	29 28	5 53	15 17	15 34	22 29			n.a.
W 9	12 24	18 16	4 53	18 38	1 55	9 27	0 39	13 58	0 20	2 46	1 5	21 55	0 21	5 40	0 43	16 51	1 37	29 28	5 53	15 20	15 35	22 30			n.a.
T 10	12 44	23 11	5 1	19 15	1 59	9 56	0 37	14 12	0 21	2 51	1 5	21 56	0 21	5 39	0 43	16 51	1 37	29 28	5 53	15 23	15 36	22 32			n.a.
F 11	13 4	26 28	4 48	19 50	2 1	10 25	0 35	14 26	0 21	2 57	1 5	21 57	0 21	5 38	0 43	16 51	1 37	29 28	5 53	15 26	15 37	22 34			n.a.
S 12	13 24	27 50	4 15	20 23	2 4	10 53	0 33	14 40	0 22	3 2	1 5	21 58	0 21	5 37	0 43	16 51	1 37	29 29	5 53	15 29	15 38	22 36			n.a.
S 13	13 43	27 13	3 27	20 54	2 5	11 22	0 31	14 53	0 22	3 7	1 5	21 59	0 20	5 36	0 44	16 51	1 37	29 29	5 54	15 30	15 39	22 38			n.a.
M14	14 2	24 52	2 27	21 22	2 6	11 50	0 28	15 7	0 23	3 13	1 5	22 0	0 20	5 35	0 44	16 51	1 37	29 29	5 54	15 31	15 40	22 40			n.a.
T 15	14 21	21 8	1 21	21 48	2 7	12 18	0 26	15 20	0 23	3 18	1 5	22 1	0 20	5 34	0 44	16 51	1 37	29 29	5 54	15 31	15 41	22 42			n.a.
W16	14 40	16 26	0 12	22 12	2 6	12 45	0 24	15 33	0 24	3 23	1 5	22 3	0 20	5 33	0 44	16 51	1 37	29 29	5 54	15 31	15 42	22 44			n.a.
T 17	14 58	11 8	0n55	22 33	2 5	13 13	0 22	15 46	0 24	3 28	1 5	22 4	0 20	5 32	0 44	16 51	1 37	29 29	5 54	15 32	15 43	22 46			n.a.
F 18	15 17	5 31	1 58	22 53	2 3	13 40	0 19	15 59	0 25	3 33	1 6	22 5	0 20	5 31	0 44	16 50	1 37	29 29	5 55	15 32	15 44	22 48			n.a.
S 19	15 35	0n13	2 55	23 10	2 1	14 6	0 17	16 12	0 26	3 39	1 6	22 6	0 20	5 30	0 44	16 50	1 36	29 29	5 55	15 33	15 45	22 50			n.a.
S 20	15 53	5 50	3 42	23 25	1 58	14 33	0 15	16 25	0 26	3 44	1 6	22 7	0 20	5 29	0 44	16 50	1 36	29 30	5 55	15 35	15 46	22 52			n.a.
M21	16 10	11 12	4 19	23 38	1 54	14 58	0 12	16 37	0 27	3 49	1 6	22 8	0 20	5 28	0 44	16 50	1 36	29 30	5 55	15 38	15 47	22 54			n.a.
T 22	16 28	16 7	4 45	23 50	1 50	15 24	0 10	16 50	0 27	3 54	1 6	22 9	0 19	5 27	0 44	16 50	1 36	29 30	5 55	15 42	15 48	22 55			n.a.
W23	16 45	20 24	4 58	23 59	1 46	15 49	0 8	17 2	0 28	3 59	1 6	22 11	0 19	5 26	0 44	16 50	1 36	29 30	5 55	15 46	15 49	22 57			n.a.
T 24	17 2	23 52	4 58	24 7	1 40	16 14	0 5	17 14	0 28	4 4	1 6	22 12	0 19	5 26	0 44	16 50	1 36	29 30	5 56	15 51	15 50	22 59			n.a.
F 25	17 18	26 19	4 45	24 12	1 34	16 39	0 3	17 26	0 29	4 9	1 6	22 13	0 19	5 25	0 44	16 50	1 36	29 30	5 56	15 55	15 51	23 1			n.a.
S 26	17 34	27 36	4 19	24 16	1 28	17 3	0 0	17 38	0 29	4 14	1 6	22 14	0 19	5 24	0 44	16 50	1 36	29 30	5 56	15 58	15 52	23 3			n.a.
S 27	17 50	27 36	3 42	24 19	1 21	17 26	0n 2	17 50	0 30	4 19	1 6	22 15	0 19	5 23	0 44	16 50	1 36	29 30	5 56	16 1	15 53	23 5			n.a.
M28	18 6	26 17	2 55	24 20	1 13	17 49	0 4	18 1	0 30	4 24	1 6	22 16	0 19	5 22	0 44	16 49	1 36	29 30	5 56	16 3	15 54	23 7			n.a.
T 29	18 22	23 42	1 59	24 19	1 5	18 12	0 7	18 13	0 31	4 29	1 6	22 17	0 19	5 22	0 44	16 49	1 36	29 30	5 56	16 4	15 55	23 8			n.a.
W30	18 37	19 59	0 56	24 18	0 56	18 34	0 9	18 24	0 31	4 34	1 6	22 18	0 19	5 21	0 44	16 49	1 36	29 30	5 57	16 5	15 56	23 10			n.a.
T 31	18n52	15n15	0s11	24n14	0n47	18n56	0n11	18n36	0n32	4n38	1s 6	22n20	0s19	5s20	0s44	16n49	1n36	29s30	5s57	16s 5	15s57	23n12			n.a.

Julian Day Number = 1108653.5, Delta T = 10h54m51s
Ecliptic obliquity = 23°53'32, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'55, Lahiri = -27°05'55 Julian Calendar 1 May 1678 BCE == Greg. Calendar 17 Apr. 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

JUNE 1678 BCE (-1677) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 37 36	23♉54'38	2♍ 4	20♊22	23♉46	20♉41	14♈16	11♊57	18♓27	19♑21	20°R57	16°R51	17♒13	20♉48	n.a.	F 1
S 2	15 41 33	24°51'44	15°36	21°23	24°59	21°20	14°29	12° 5	18°29	19°22	20♐55	16♒50	17° 9	20°55	n.a.	S 2
S 3	15 45 30	25°48'50	29°37	22°21	26°13	21°59	14°41	12°12	18°31	19°22	20°54	16°47	17° 6	21° 1	n.a.	S 3
M 4	15 49 26	26°45'57	14♎ 6	23°16	27°27	22°38	14°53	12°20	18°32	19°23	20°53	16°41	17° 3	21° 8	n.a.	M 4
T 5	15 53 23	27°43'04	28°59	24° 8	28°41	23°16	15° 5	12°27	18°34	19°24	20°52	16°33	17° 0	21°15	n.a.	T 5
W 6	15 57 19	28°40'12	14♏11	24°56	29°55	23°55	15°17	12°35	18°36	19°24	20°50	16°23	16°57	21°22	n.a.	W 6
T 7	16 1 16	29°37'20	29°30	25°41	1♊ 9	24°34	15°28	12°42	18°37	19°25	20°49	16°13	16°54	21°28	n.a.	T 7
F 8	16 5 12	0♊34'29	14♐46	26°22	2°23	25°13	15°40	12°50	18°39	19°26	20°48	16° 3	16°50	21°35	n.a.	F 8
S 9	16 9 9	1°31'38	29°48	27° 0	3°36	25°51	15°52	12°57	18°40	19°26	20°47	15°55	16°47	21°42	n.a.	S 9
S 10	16 13 6	2°28'49	14♑26	27°34	4°50	26°30	16° 4	13° 5	18°42	19°27	20°45	15°50	16°44	21°49	n.a.	S 10
M11	16 17 2	3°26'01	28°37	28° 3	6° 4	27° 9	16°15	13°13	18°43	19°28	20°44	15°47	16°41	21°55	n.a.	M11
T 12	16 20 59	4°23'13	12♒18	28°28	7°18	27°48	16°27	13°20	18°45	19°29	20°43	15°D46	16°38	22° 2	n.a.	T 12
W13	16 24 55	5°20'27	25°32	28°49	8°32	28°26	16°38	13°28	18°46	19°30	20°41	15°46	16°34	22° 9	n.a.	W13
T 14	16 28 52	6°17'42	8♓21	29° 6	9°46	29° 5	16°49	13°36	18°47	19°31	20°40	15°R46	16°31	22°15	n.a.	T 14
F 15	16 32 48	7°14'58	20°51	29°17	11° 0	29°43	17° 0	13°43	18°48	19°32	20°39	15°45	16°28	22°22	n.a.	F 15
S 16	16 36 45	8°12'15	3♈ 5	29°24	12°14	0♊22	17°12	13°51	18°50	19°33	20°37	15°42	16°25	22°29	n.a.	S 16
S 17	16 40 41	9° 9'34	15° 8	29°R25	13°28	1° 1	17°23	13°59	18°51	19°34	20°36	15°37	16°22	22°36	n.a.	S 17
M18	16 44 38	10° 6'53	27° 5	29°22	14°42	1°39	17°34	14° 6	18°52	19°35	20°35	15°29	16°19	22°42	n.a.	M18
T 19	16 48 35	11° 4'14	8♉57	29°13	15°56	2°18	17°44	14°14	18°53	19°36	20°33	15°20	16°15	22°49	n.a.	T 19
W20	16 52 31	12° 1'37	20°49	29° 0	17°10	2°56	17°55	14°22	18°54	19°37	20°32	15° 8	16°12	22°56	n.a.	W20
T 21	16 56 28	12°59'00	2♊41	28°41	18°24	3°35	18° 6	14°29	18°55	19°38	20°31	14°56	16° 9	23° 2	n.a.	T 21
F 22	17 0 24	13°56'25	14°36	28°17	19°39	4°13	18°16	14°37	18°56	19°39	20°29	14°45	16° 6	23° 9	n.a.	F 22
S 23	17 4 21	14°53'51	26°36	27°48	20°53	4°52	18°27	14°45	18°57	19°40	20°28	14°35	16° 3	23°16	n.a.	S 23
S 24	17 8 17	15°51'18	8♋41	27°15	22° 7	5°30	18°37	14°52	18°58	19°41	20°27	14°28	16° 0	23°23	n.a.	S 24
M25	17 12 14	16°48'46	20°53	26°38	23°21	6° 9	18°47	15° 0	18°58	19°42	20°25	14°23	15°56	23°29	n.a.	M25
T 26	17 16 11	17°46'15	3♌15	25°57	24°35	6°47	18°58	15° 8	18°59	19°44	20°24	14°20	15°53	23°36	n.a.	T 26
W27	17 20 7	18°43'45	15°48	25°13	25°49	7°26	19° 8	15°16	19° 0	19°45	20°22	14°D20	15°50	23°43	n.a.	W27
T 28	17 24 4	19°41'16	28°37	24°27	27° 3	8° 4	19°18	15°23	19° 0	19°46	20°21	14°20	15°47	23°50	n.a.	T 28
F 29	17 28 0	20°38'49	11♍45	23°39	28°18	8°42	19°27	15°31	19° 1	19°48	20°20	14°21	15°44	23°56	n.a.	F 29
S 30	17 31 57	21♊36'22	25♍13	22♊51	29♊32	9♊21	19♈37	15♊39	19♓ 1	19♑49	20♐18	14°R21	15♒40	24♉ 3	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n 6	9n42	1s20	24n10	0n38	19n17	0n14	18n47	0n32	4n43	1s 6	22n21	0s18	5s19	0s44	16n49	1n36	29s31	5s57	16s 5	15s58	23n14		n.a.
S 2	19 20	3 33	2 26	24 4	0 28	19 38	0 16	18 58	0 33	4 48	1 6	22 22	0 18	5 19	0 44	16 48	1 36	29 31	5 57	16 5	15 59	23 16		n.a.
S 3	19 34	2s58	3 25	23 57	0 17	19 58	0 18	19 8	0 33	4 53	1 6	22 23	0 18	5 18	0 44	16 48	1 36	29 31	5 57	16 6	16 0	23 17		n.a.
M 4	19 48	9 33	4 14	23 49	0 6	20 18	0 21	19 19	0 34	4 57	1 6	22 24	0 18	5 17	0 44	16 48	1 36	29 31	5 57	16 8	16 1	23 19		n.a.
T 5	20 1	15 47	4 47	23 40	0s 5	20 37	0 23	19 30	0 34	5 2	1 6	22 25	0 18	5 17	0 44	16 48	1 36	29 31	5 58	16 10	16 2	23 21		n.a.
W 6	20 14	21 10	5 1	23 31	0 17	20 55	0 25	19 40	0 35	5 7	1 6	22 26	0 18	5 16	0 44	16 47	1 36	29 31	5 58	16 13	16 3	23 23		n.a.
T 7	20 27	25 11	4 53	23 20	0 29	21 13	0 27	19 50	0 35	5 11	1 6	22 27	0 18	5 16	0 44	16 47	1 36	29 31	5 58	16 17	16 4	23 25		n.a.
F 8	20 39	27 23	4 24	23 9	0 42	21 31	0 30	20 0	0 36	5 16	1 6	22 28	0 18	5 15	0 44	16 47	1 36	29 31	5 58	16 19	16 5	23 26		n.a.
S 9	20 51	27 31	3 38	22 57	0 55	21 48	0 32	20 10	0 36	5 20	1 6	22 29	0 18	5 14	0 44	16 47	1 36	29 31	5 58	16 22	16 6	23 28		n.a.
S 10	21 3	25 42	2 38	22 44	1 8	22 4	0 34	20 20	0 37	5 25	1 6	22 30	0 18	5 14	0 44	16 46	1 36	29 31	5 58	16 24	16 7	23 30		n.a.
M11	21 14	22 17	1 30	22 31	1 21	22 19	0 36	20 30	0 37	5 29	1 7	22 32	0 17	5 13	0 44	16 46	1 35	29 31	5 58	16 24	16 8	23 32		n.a.
T 12	21 25	17 43	0 18	22 18	1 35	22 34	0 38	20 39	0 38	5 34	1 7	22 33	0 17	5 13	0 44	16 46	1 35	29 31	5 58	16 25	16 9	23 33		n.a.
W13	21 36	12 26	0n52	22 4	1 49	22 49	0 40	20 49	0 38	5 38	1 7	22 34	0 17	5 12	0 44	16 45	1 35	29 31	5 59	16 25	16 10	23 35		n.a.
T 14	21 46	6 47	1 57	21 51	2 3	23 2	0 43	20 58	0 39	5 42	1 7	22 35	0 17	5 12	0 44	16 45	1 35	29 31	5 59	16 25	16 11	23 37		n.a.
F 15	21 56	1 1	2 55	21 37	2 17	23 15	0 45	21 7	0 39	5 47	1 7	22 36	0 17	5 11	0 44	16 45	1 35	29 31	5 59	16 25	16 12	23 39		n.a.
S 16	22 5	4n39	3 44	21 23	2 30	23 27	0 47	21 16	0 40	5 51	1 7	22 37	0 17	5 11	0 45	16 44	1 35	29 31	5 59	16 26	16 13	23 40		n.a.
S 17	22 14	10 4	4 21	21 9	2 44	23 39	0 49	21 24	0 40	5 55	1 7	22 38	0 17	5 10	0 45	16 44	1 35	29 31	5 59	16 27	16 14	23 42		n.a.
M18	22 23	15 4	4 47	20 56	2 58	23 50	0 51	21 33	0 41	5 59	1 7	22 39	0 17	5 10	0 45	16 44	1 35	29 31	5 59	16 30	16 15	23 44		n.a.
T 19	22 32	19 29	5 1	20 43	3 11	24 0	0 52	21 41	0 41	6 3	1 7	22 40	0 17	5 10	0 45	16 43	1 35	29 31	5 59	16 33	16 16	23 45		n.a.
W20	22 40	23 7	5 1	20 30	3 24	24 10	0 54	21 49	0 42	6 8	1 7	22 41	0 17	5 9	0 45	16 43	1 35	29 31	5 59	16 36	16 17	23 47		n.a.
T 21	22 47	25 48	4 48	20 17	3 36	24 18	0 56	21 57	0 42	6 12	1 7	22 42	0 17	5 9	0 45	16 43	1 35	29 31	5 59	16 40	16 18	23 49		n.a.
F 22	22 54	27 20	4 23	20 6	3 47	24 27	0 58	22 5	0 43	6 16	1 7	22 43	0 17	5 9	0 45	16 42	1 35	29 31	6 0	16 43	16 19	23 50		n.a.
S 23	23 1	27 37	3 46	19 55	3 58	24 34	1 0	22 13	0 43	6 20	1 7	22 44	0 16	5 8	0 45	16 42	1 35	29 31	6 0	16 46	16 20	23 52		n.a.
S 24	23 7	26 34	2 58	19 45	4 7	24 40	1 1	22 20	0 44	6 24	1 7	22 45	0 16	5 8	0 45	16 41	1 35	29 31	6 0	16 48	16 21	23 54		n.a.
M25	23 13	24 15	2 2	19 36	4 15	24 46	1 3	22 28	0 44	6 27	1 8	22 46	0 16	5 8	0 45	16 41	1 35	29 31	6 0	16 50	16 22	23 55		n.a.
T 26	23 19	20 45	0 59	19 28	4 22	24 51	1 5	22 35	0 45	6 31	1 8	22 47	0 16	5 7	0 45	16 40	1 35	29 31	6 0	16 50	16 22	23 57		n.a.
W27	23 24	16 16	0s 8	19 21	4 28	24 56	1 6	22 42	0 45	6 35	1 8	22 48	0 16	5 7	0 45	16 40	1 35	29 31	6 0	16 51	16 23	23 59		n.a.
T 28	23 29	10 59	1 16	19 15	4 32	24 59	1 8	22 49	0 45	6 39	1 8	22 49	0 16	5 7	0 45	16 40	1 35	29 31	6 0	16 50	16 24	24 0		n.a.
F 29	23 33	5 7	2 22	19 11	4 34	25 2	1 9	22 56	0 46	6 43	1 8	22 49	0 16	5 7	0 45	16 39	1 35	29 31	6 0	16 50	16 25	24 2		n.a.
S 30	23n37	1s 8	3s21	19n 8	4s34	25n 4	1n11	23n 2	0n46	6n46	1s 8	22n50	0s16	5s 7	0s45	16n39	1n35	29s31	6s 0	16s50	16s26	24n 4		n.a.

Julian Day Number = 1108684.5, Delta T = 10h54m49s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'51, Lahiri = -27°05'51 Julian Calendar 1 June 1678 BCE == Greg. Calendar 18 May 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

JULY 1678 BCE (-1677) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 35 53	22♊33'56	9♎ 6	22°R 2	0♋46	9♊59	19♈47	15♊46	19♓ 2	19♏50	20°R17	14°R20	15♒37	24♉10	n.a.	S 1
M 2	17 39 50	23°31'32	23°22	21♊15	2° 0	10°37	19°56	15°54	19° 2	19°52	20♐16	14♒17	15°34	24°16	n.a.	M 2
T 3	17 43 46	24°29'09	8♏ 1	20°29	3°14	11°16	20° 6	16° 2	19° 3	19°53	20°14	14°12	15°31	24°23	n.a.	T 3
W 4	17 47 43	25°26'47	22°57	19°47	4°29	11°54	20°15	16° 9	19° 3	19°55	20°13	14° 5	15°28	24°30	n.a.	W 4
T 5	17 51 40	26°24'26	8♐ 3	19° 8	5°43	12°32	20°24	16°17	19° 3	19°56	20°11	13°58	15°25	24°37	n.a.	T 5
F 6	17 55 36	27°22'08	23° 9	18°34	6°57	13°10	20°33	16°25	19° 4	19°58	20°10	13°51	15°21	24°43	n.a.	F 6
S 7	17 59 33	28°19'50	8♑ 5	18° 5	8°11	13°49	20°42	16°32	19° 4	19°59	20° 9	13°46	15°18	24°50	n.a.	S 7
S 8	18 3 29	29°17'34	22°42	17°43	9°26	14°27	20°51	16°40	19° 4	20° 1	20° 7	13°42	15°15	24°57	n.a.	S 8
M 9	18 7 26	0♋15'20	6♒56	17°27	10°40	15° 5	21° 0	16°47	19° 4	20° 2	20° 6	13°41	15°12	25° 4	n.a.	M 9
T 10	18 11 22	1°13'08	20°42	17°18	11°54	15°43	21° 8	16°55	19°R 4	20° 4	20° 5	13°D41	15° 9	25°10	n.a.	T 10
W11	18 15 19	2°10'57	4♓ 2	17°D16	13° 8	16°22	21°17	17° 2	19° 4	20° 5	20° 3	13°42	15° 6	25°17	n.a.	W11
T 12	18 19 15	3° 8'48	16°56	17°22	14°23	17° 0	21°25	17°10	19° 4	20° 7	20° 2	13°43	15° 2	25°24	n.a.	T 12
F 13	18 23 12	4° 6'42	29°29	17°36	15°37	17°38	21°33	17°17	19° 4	20° 9	20° 1	13°R44	14°59	25°30	n.a.	F 13
S 14	18 27 9	5° 4'37	11♈44	17°58	16°51	18°16	21°41	17°25	19° 4	20°10	19°59	13°44	14°56	25°37	n.a.	S 14
S 15	18 31 5	6° 2'34	23°48	18°28	18° 6	18°54	21°49	17°32	19° 3	20°12	19°58	13°42	14°53	25°44	n.a.	S 15
M16	18 35 2	7° 0'33	5♉43	19° 5	19°20	19°32	21°57	17°40	19° 3	20°14	19°57	13°39	14°50	25°51	n.a.	M16
T 17	18 38 58	7°58'35	17°35	19°50	20°34	20°11	22° 4	17°47	19° 3	20°16	19°55	13°34	14°46	25°57	n.a.	T 17
W18	18 42 55	8°56'38	29°27	20°42	21°49	20°49	22°12	17°55	19° 3	20°17	19°54	13°29	14°43	26° 4	n.a.	W18
T 19	18 46 51	9°54'44	11♊23	21°42	23° 3	21°27	22°19	18° 2	19° 2	20°19	19°53	13°22	14°40	26°11	n.a.	T 19
F 20	18 50 48	10°52'51	23°23	22°48	24°17	22° 5	22°26	18° 9	19° 2	20°21	19°52	13°17	14°37	26°17	n.a.	F 20
S 21	18 54 44	11°51'01	5♋31	24° 1	25°32	22°43	22°33	18°16	19° 1	20°23	19°50	13°11	14°34	26°24	n.a.	S 21
S 22	18 58 41	12°49'12	17°48	25°19	26°46	23°21	22°40	18°24	19° 1	20°25	19°49	13° 8	14°31	26°31	n.a.	S 22
M23	19 2 38	13°47'25	0♌14	26°44	28° 1	23°59	22°47	18°31	19° 0	20°27	19°48	13° 6	14°27	26°38	n.a.	M23
T 24	19 6 34	14°45'40	12°52	28°13	29°15	24°37	22°54	18°38	18°59	20°28	19°47	13°D 5	14°24	26°44	n.a.	T 24
W25	19 10 31	15°43'57	25°41	29°47	0♌29	25°15	23° 0	18°45	18°59	20°30	19°45	13° 5	14°21	26°51	n.a.	W25
T 26	19 14 27	16°42'16	8♍44	1♋25	1°44	25°53	23° 6	18°52	18°58	20°32	19°44	13° 7	14°18	26°58	n.a.	T 26
F 27	19 18 24	17°40'36	22° 2	3° 6	2°58	26°31	23°12	19° 0	18°57	20°34	19°43	13° 8	14°15	27° 5	n.a.	F 27
S 28	19 22 20	18°38'58	5♎35	4°50	4°13	27° 9	23°18	19° 7	18°56	20°36	19°42	13°10	14°12	27°11	n.a.	S 28
S 29	19 26 17	19°37'22	19°26	6°37	5°27	27°47	23°24	19°14	18°55	20°38	19°41	13°R10	14° 8	27°18	n.a.	S 29
M30	19 30 13	20°35'47	3♏33	8°26	6°41	28°25	23°30	19°21	18°54	20°40	19°39	13°10	14° 5	27°25	n.a.	M30
T 31	19 34 10	21♋34'14	17♏55	10♋17	7♌56	29♊ 3	23♈35	19♊28	18♓53	20♌42	19♐38	13♒ 8	14♒ 2	27♉31	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23n41	7s30	4s11	19n 7	4s33	25n 5	1n12	23n 8	0n47	6n50	1s 8	22n51	0s16	5s 6	0s45	16n38	1n35	29s31	6s 0	16s50	16s27	24n 5			n.a.
M 2	23 44	13 40	4 47	19 7	4 29	25 6	1 13	23 15	0 47	6 53	1 8	22 52	0 16	5 6	0 45	16 38	1 35	29 31	6 0	16 51	16 28	24 7			n.a.
T 3	23 46	19 15	5 5	19 9	4 24	25 6	1 15	23 20	0 48	6 57	1 8	22 53	0 16	5 6	0 45	16 37	1 35	29 31	6 0	16 53	16 29	24 8			n.a.
W 4	23 49	23 44	5 3	19 13	4 17	25 5	1 16	23 26	0 48	7 0	1 8	22 54	0 15	5 6	0 45	16 37	1 35	29 31	6 0	16 55	16 30	24 10			n.a.
T 5	23 50	26 41	4 41	19 18	4 9	25 3	1 17	23 32	0 49	7 4	1 9	22 55	0 15	5 6	0 45	16 36	1 35	29 31	6 1	16 57	16 31	24 12			n.a.
F 6	23 52	27 41	3 58	19 25	3 59	25 0	1 18	23 37	0 49	7 7	1 9	22 56	0 15	5 6	0 45	16 36	1 35	29 31	6 1	16 59	16 32	24 13			n.a.
S 7	23 53	26 38	3 0	19 34	3 47	24 57	1 19	23 43	0 50	7 10	1 9	22 57	0 15	5 6	0 45	16 35	1 34	29 31	6 1	17 0	16 33	24 15			n.a.
S 8	23 53	23 46	1 51	19 45	3 35	24 53	1 20	23 48	0 50	7 14	1 9	22 57	0 15	5 6	0 45	16 35	1 34	29 31	6 1	17 2	16 34	24 16			n.a.
M 9	23 53	19 29	0 36	19 57	3 21	24 48	1 21	23 53	0 51	7 17	1 9	22 58	0 15	5 6	0 45	16 34	1 34	29 31	6 1	17 2	16 35	24 18			n.a.
T 10	23 53	14 16	0n38	20 11	3 6	24 42	1 22	23 57	0 51	7 20	1 9	22 59	0 15	5 6	0 45	16 34	1 34	29 30	6 1	17 2	16 36	24 20			n.a.
W11	23 52	8 33	1 48	20 26	2 51	24 36	1 23	24 2	0 51	7 23	1 9	23 0	0 15	5 6	0 45	16 33	1 34	29 30	6 1	17 2	16 37	24 21			n.a.
T 12	23 51	2 39	2 50	20 43	2 35	24 29	1 24	24 6	0 52	7 26	1 9	23 1	0 15	5 6	0 45	16 32	1 34	29 30	6 1	17 1	16 38	24 23			n.a.
F 13	23 50	3n11	3 43	21 1	2 18	24 21	1 24	24 10	0 52	7 29	1 9	23 2	0 15	5 6	0 45	16 32	1 34	29 30	6 1	17 1	16 39	24 24			n.a.
S 14	23 48	8 45	4 24	21 19	2 1	24 12	1 25	24 14	0 53	7 32	1 10	23 2	0 15	5 6	0 45	16 31	1 34	29 30	6 1	17 1	16 40	24 26			n.a.
S 15	23 45	13 55	4 52	21 38	1 45	24 3	1 25	24 18	0 53	7 35	1 10	23 3	0 15	5 6	0 46	16 31	1 34	29 30	6 1	17 1	16 41	24 27			n.a.
M16	23 42	18 30	5 8	21 58	1 28	23 53	1 26	24 22	0 54	7 38	1 10	23 4	0 14	5 6	0 46	16 30	1 34	29 30	6 1	17 2	16 42	24 29			n.a.
T 17	23 39	22 20	5 10	22 18	1 12	23 42	1 26	24 25	0 54	7 41	1 10	23 5	0 14	5 7	0 46	16 29	1 34	29 30	6 1	17 4	16 43	24 30			n.a.
W18	23 35	25 16	4 59	22 38	0 55	23 31	1 27	24 28	0 55	7 43	1 10	23 6	0 14	5 7	0 46	16 29	1 34	29 30	6 1	17 6	16 43	24 32			n.a.
T 19	23 31	27 6	4 35	22 58	0 40	23 19	1 27	24 31	0 55	7 46	1 10	23 6	0 14	5 7	0 46	16 28	1 34	29 30	6 1	17 7	16 44	24 33			n.a.
F 20	23 26	27 41	3 58	23 17	0 24	23 6	1 27	24 34	0 55	7 49	1 10	23 7	0 14	5 7	0 46	16 28	1 34	29 30	6 1	17 9	16 45	24 35			n.a.
S 21	23 21	26 57	3 11	23 35	0 10	22 52	1 27	24 37	0 56	7 51	1 10	23 8	0 14	5 7	0 46	16 27	1 34	29 30	6 1	17 10	16 46	24 36			n.a.
S 22	23 16	24 54	2 14	23 53	0n 4	22 38	1 27	24 39	0 56	7 54	1 10	23 9	0 14	5 8	0 46	16 26	1 34	29 29	6 1	17 12	16 47	24 38			n.a.
M23	23 10	21 37	1 10	24 8	0 17	22 23	1 27	24 42	0 57	7 56	1 11	23 9	0 14	5 8	0 46	16 26	1 34	29 29	6 1	17 12	16 48	24 39			n.a.
T 24	23 3	17 17	0 1	24 22	0 30	22 7	1 27	24 44	0 57	7 58	1 11	23 10	0 14	5 8	0 46	16 25	1 34	29 29	6 1	17 12	16 49	24 41			n.a.
W25	22 57	12 7	1s 9	24 35	0 41	21 51	1 27	24 46	0 58	8 1	1 11	23 11	0 14	5 9	0 46	16 25	1 34	29 29	6 1	17 12	16 50	24 42			n.a.
T 26	22 49	6 21	2 16	24 45	0 52	21 34	1 27	24 48	0 58	8 3	1 11	23 11	0 14	5 9	0 46	16 24	1 34	29 29	6 1	17 12	16 51	24 43			n.a.
F 27	22 42	0 12	3 18	24 53	1 1	21 16	1 27	24 49	0 58	8 5	1 11	23 12	0 14	5 9	0 46	16 23	1 34	29 29	6 1	17 11	16 52	24 45			n.a.
S 28	22 34	6s 4	4 10	24 58	1 10	20 58	1 27	24 50	0 59	8 7	1 11	23 13	0 14	5 10	0 46	16 23	1 34	29 29	6 1	17 11	16 53	24 46			n.a.
S 29	22 26	12 10	4 48	25 1	1 18	20 39	1 26	24 52	0 59	8 9	1 11	23 13	0 13	5 10	0 46	16 22	1 34	29 29	6 1	17 11	16 54	24 48			n.a.
M30	22 17	17 46	5 10	25 2	1 25	20 20	1 26	24 53	1 0	8 11	1 12	23 14	0 13	5 10	0 46	16 21	1 34	29 29	6 1	17 11	16 55	24 49			n.a.
T 31	22n 8	22s30	5s13	24n59	1n31	20n 0	1n25	24n53	1n 0	8n13	1s12	23n15	0s13	5s11	0s46	16n21	1n34	29s29	6s 1	17s11	16s56	24n51			n.a.

Julian Day Number = 1108714.5, Delta T = 10h54m47s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'47, Lahiri = -27°05'47 Julian Calendar 1 July 1678 BCE == Greg. Calendar 17 June 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

AUGUST 1678 BCE (-1677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 38 7	22♋32'43	2♐29	12♋ 9	9♌10	29♊41	23♈40	19♊34	18°R52	20♌44	19°R37	13°R 6	13♒59	27♉38	n.a.	W 1
T 2	19 42 3	23°31'14	17°11	14° 1	10°25	0♋19	23°46	19°41	18♓51	20°46	19♐36	13♒ 3	13°56	27°45	n.a.	T 2
F 3	19 46 0	24°29'47	1♉53	15°55	11°39	0°57	23°51	19°48	18°50	20°48	19°35	13° 1	13°52	27°52	n.a.	F 3
S 4	19 49 56	25°28'22	16°29	17°48	12°53	1°35	23°55	19°55	18°49	20°50	19°34	12°59	13°49	27°58	n.a.	S 4
S 5	19 53 53	26°26'59	0♒52	19°42	14° 8	2°13	24° 0	20° 2	18°48	20°52	19°33	12°58	13°46	28° 5	n.a.	S 5
M 6	19 57 49	27°25'38	14°57	21°36	15°22	2°51	24° 4	20° 8	18°47	20°54	19°32	12°D57	13°43	28°12	n.a.	M 6
T 7	20 1 46	28°24'19	28°41	23°29	16°36	3°28	24° 9	20°15	18°45	20°56	19°31	12°58	13°40	28°18	n.a.	T 7
W 8	20 5 42	29°23'02	12♓ 0	25°22	17°51	4° 6	24°13	20°22	18°44	20°59	19°30	12°59	13°37	28°25	n.a.	W 8
T 9	20 9 39	0♌21'48	24°57	27°14	19° 5	4°44	24°17	20°28	18°43	21° 1	19°29	13° 0	13°33	28°32	n.a.	T 9
F 10	20 13 35	1°20'36	7♈34	29° 5	20°20	5°22	24°20	20°35	18°41	21° 3	19°28	13° 1	13°30	28°39	n.a.	F 10
S 11	20 17 32	2°19'26	19°52	0♌56	21°34	6° 0	24°24	20°41	18°40	21° 5	19°27	13° 2	13°27	28°45	n.a.	S 11
S 12	20 21 29	3°18'19	1♉58	2°46	22°48	6°38	24°27	20°47	18°38	21° 7	19°26	13°R 2	13°24	28°52	n.a.	S 12
M13	20 25 25	4°17'15	13°55	4°35	24° 3	7°16	24°30	20°54	18°37	21° 9	19°25	13° 2	13°21	28°59	n.a.	M13
T 14	20 29 22	5°16'13	25°47	6°24	25°17	7°53	24°33	21° 0	18°35	21°11	19°24	13° 1	13°18	29° 6	n.a.	T 14
W15	20 33 18	6°15'13	7♊40	8°11	26°32	8°31	24°36	21° 6	18°33	21°14	19°23	13° 1	13°14	29°12	n.a.	W15
T 16	20 37 15	7°14'16	19°38	9°58	27°46	9° 9	24°39	21°12	18°32	21°16	19°23	13° 0	13°11	29°19	n.a.	T 16
F 17	20 41 11	8°13'21	1♋43	11°43	29° 0	9°47	24°41	21°18	18°30	21°18	19°22	12°59	13° 8	29°26	n.a.	F 17
S 18	20 45 8	9°12'29	14° 0	13°28	0♍15	10°25	24°44	21°24	18°28	21°20	19°21	12°58	13° 5	29°32	n.a.	S 18
S 19	20 49 4	10°11'39	26°29	15°12	1°29	11° 2	24°46	21°30	18°27	21°22	19°20	12°58	13° 2	29°39	n.a.	S 19
M20	20 53 1	11°10'51	9♌12	16°55	2°43	11°40	24°47	21°36	18°25	21°25	19°19	12°D58	12°58	29°46	n.a.	M20
T 21	20 56 58	12°10'05	22°11	18°37	3°58	12°18	24°49	21°42	18°23	21°27	19°19	12°58	12°55	29°53	n.a.	T 21
W22	21 0 54	13° 9'22	5♍23	20°18	5°12	12°56	24°51	21°48	18°21	21°29	19°18	12°R58	12°52	29°59	n.a.	W22
T 23	21 4 51	14° 8'40	18°50	21°59	6°26	13°33	24°52	21°54	18°19	21°31	19°17	12°58	12°49	0♊ 6	n.a.	T 23
F 24	21 8 47	15° 8'01	2♎29	23°38	7°41	14°11	24°53	21°59	18°17	21°33	19°17	12°58	12°46	0°13	n.a.	F 24
S 25	21 12 44	16° 7'23	16°19	25°17	8°55	14°49	24°54	22° 5	18°15	21°36	19°16	12°58	12°43	0°19	n.a.	S 25
S 26	21 16 40	17° 6'48	0♏18	26°55	10° 9	15°27	24°54	22°10	18°13	21°38	19°15	12°57	12°39	0°26	n.a.	S 26
M27	21 20 37	18° 6'14	14°25	28°32	11°24	16° 4	24°55	22°16	18°11	21°40	19°15	12°D57	12°36	0°33	n.a.	M27
T 28	21 24 33	19° 5'43	28°37	0♍ 8	12°38	16°42	24°55	22°21	18° 9	21°42	19°14	12°57	12°33	0°40	n.a.	T 28
W29	21 28 30	20° 5'13	12♐53	1°44	13°52	17°20	24°R55	22°26	18° 7	21°45	19°14	12°58	12°30	0°46	n.a.	W29
T 30	21 32 26	21° 4'45	27°10	3°19	15° 7	17°57	24°55	22°31	18° 5	21°47	19°13	12°58	12°27	0°53	n.a.	T 30
F 31	21 36 23	22♌ 4'20	11♉23	4♍53	16♍21	18♋35	24♈55	22♊37	18♓ 3	21♌49	19♐13	12♒59	12♒24	1♊ 0	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n58	25s54	4s57	24n55	1n36	19n40	1n25	24n54	1n 1	8n15	1s12	23n15	0s13	5s11	0s46	16n20	1n34	29s28	6s 1	17s12	16s57	24n52		n.a.
T 2	21 48	27 35	4 21	24 48	1 40	19 19	1 24	24 54	1 1	8 17	1 12	23 16	0 13	5 12	0 46	16 19	1 34	29 28	6 1	17 13	16 58	24 53		n.a.
F 3	21 38	27 20	3 27	24 38	1 43	18 57	1 23	24 55	1 1	8 19	1 12	23 16	0 13	5 12	0 46	16 19	1 34	29 28	6 1	17 14	16 58	24 55		n.a.
S 4	21 27	25 11	2 21	24 26	1 46	18 35	1 23	24 55	1 2	8 20	1 12	23 17	0 13	5 13	0 46	16 18	1 34	29 28	6 1	17 14	16 59	24 56		n.a.
S 5	21 16	21 25	1 6	24 11	1 48	18 12	1 22	24 55	1 2	8 22	1 12	23 18	0 13	5 13	0 46	16 17	1 34	29 28	6 1	17 14	17 0	24 57		n.a.
M 6	21 4	16 29	0n11	23 55	1 49	17 49	1 21	24 54	1 3	8 23	1 12	23 18	0 13	5 14	0 46	16 17	1 34	29 28	6 1	17 15	17 1	24 59		n.a.
T 7	20 52	10 49	1 26	23 36	1 49	17 25	1 20	24 54	1 3	8 25	1 13	23 19	0 13	5 14	0 46	16 16	1 34	29 28	6 1	17 14	17 2	25 0		n.a.
W 8	20 40	4 49	2 34	23 15	1 49	17 1	1 19	24 53	1 4	8 26	1 13	23 19	0 13	5 15	0 46	16 15	1 34	29 28	6 1	17 14	17 3	25 2		n.a.
T 9	20 27	1n11	3 32	22 53	1 49	16 37	1 18	24 52	1 4	8 28	1 13	23 20	0 13	5 15	0 46	16 14	1 34	29 28	6 1	17 14	17 4	25 3		n.a.
F 10	20 14	6 59	4 18	22 28	1 47	16 12	1 17	24 51	1 4	8 29	1 13	23 21	0 12	5 16	0 46	16 14	1 34	29 27	6 1	17 14	17 5	25 4		n.a.
S 11	20 1	12 23	4 51	22 2	1 45	15 46	1 15	24 50	1 5	8 30	1 13	23 21	0 12	5 17	0 46	16 13	1 34	29 27	6 1	17 13	17 6	25 6		n.a.
S 12	19 47	17 13	5 11	21 35	1 43	15 20	1 14	24 48	1 5	8 31	1 13	23 22	0 12	5 17	0 46	16 12	1 34	29 27	6 1	17 13	17 7	25 7		n.a.
M13	19 33	21 20	5 16	21 6	1 40	14 54	1 13	24 47	1 6	8 32	1 13	23 22	0 12	5 18	0 46	16 12	1 34	29 27	6 1	17 13	17 8	25 8		n.a.
T 14	19 19	24 33	5 9	20 36	1 37	14 27	1 11	24 45	1 6	8 33	1 14	23 23	0 12	5 18	0 46	16 11	1 34	29 27	6 1	17 13	17 9	25 10		n.a.
W15	19 4	26 44	4 48	20 4	1 34	14 0	1 10	24 43	1 6	8 34	1 14	23 23	0 12	5 19	0 46	16 10	1 34	29 27	6 1	17 14	17 10	25 11		n.a.
T 16	18 49	27 42	4 14	19 32	1 30	13 32	1 8	24 41	1 7	8 35	1 14	23 24	0 12	5 20	0 46	16 9	1 34	29 27	6 1	17 14	17 11	25 12		n.a.
F 17	18 33	27 22	3 29	18 58	1 26	13 5	1 7	24 38	1 7	8 36	1 14	23 24	0 12	5 20	0 46	16 9	1 34	29 27	6 0	17 14	17 11	25 13		n.a.
S 18	18 17	25 41	2 34	18 23	1 21	12 36	1 5	24 36	1 8	8 36	1 14	23 25	0 12	5 21	0 47	16 8	1 34	29 26	6 0	17 14	17 12	25 15		n.a.
S 19	18 1	22 44	1 30	17 48	1 16	12 8	1 3	24 33	1 8	8 37	1 14	23 25	0 12	5 22	0 47	16 7	1 34	29 26	6 0	17 14	17 13	25 16		n.a.
M20	17 45	18 38	0 21	17 11	1 11	11 39	1 2	24 30	1 8	8 38	1 14	23 26	0 12	5 23	0 47	16 7	1 34	29 26	6 0	17 14	17 14	25 17		n.a.
T 21	17 28	13 35	0s51	16 34	1 6	11 10	1 0	24 27	1 9	8 38	1 15	23 26	0 12	5 23	0 47	16 6	1 34	29 26	6 0	17 14	17 15	25 18		n.a.
W22	17 11	7 50	2 1	15 57	1 0	10 40	0 58	24 24	1 9	8 38	1 15	23 26	0 12	5 24	0 47	16 5	1 34	29 26	6 0	17 14	17 16	25 20		n.a.
T 23	16 54	1 39	3 6	15 18	0 55	10 11	0 56	24 20	1 10	8 39	1 15	23 27	0 11	5 25	0 47	16 4	1 34	29 26	6 0	17 14	17 17	25 21		n.a.
F 24	16 36	4s41	4 1	14 40	0 49	9 41	0 54	24 17	1 10	8 39	1 15	23 27	0 11	5 26	0 47	16 4	1 34	29 26	6 0	17 14	17 18	25 22		n.a.
S 25	16 18	10 52	4 43	14 0	0 43	9 11	0 52	24 13	1 10	8 39	1 15	23 28	0 11	5 27	0 47	16 3	1 34	29 26	6 0	17 14	17 19	25 23		n.a.
S 26	16 0	16 36	5 9	13 21	0 36	8 40	0 50	24 9	1 11	8 39	1 15	23 28	0 11	5 27	0 47	16 2	1 34	29 25	6 0	17 15	17 20	25 25		n.a.
M27	15 41	21 29	5 17	12 41	0 30	8 9	0 48	24 5	1 11	8 39	1 15	23 28	0 11	5 28	0 47	16 1	1 34	29 25	6 0	17 15	17 21	25 26		n.a.
T 28	15 23	25 11	5 5	12 0	0 24	7 38	0 45	24 1	1 12	8 39	1 16	23 29	0 11	5 29	0 47	16 1	1 34	29 25	6 0	17 15	17 22	25 27		n.a.
W29	15 4	27 19	4 35	11 19	0 17	7 7	0 43	23 56	1 12	8 39	1 16	23 29	0 11	5 30	0 47	16 0	1 34	29 25	6 0	17 15	17 22	25 28		n.a.
T 30	14 44	27 39	3 47	10 38	0 10	6 36	0 41	23 51	1 12	8 39	1 16	23 30	0 11	5 31	0 47	15 59	1 34	29 25	6 0	17 14	17 23	25 29		n.a.
F 31	14n25	26s 9	2s46	9n57	0n 4	6n 5	0n39	23n47	1n13	8n39	1s16	23n30	0s11	5s32	0s47	15n58	1n34	29s25	6s 0	17s14	17s24	25n31		n.a.

Julian Day Number = 1108745.5, Delta T = 10h54m45s
Ecliptic obliquity = 23°53'30, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'43, Lahiri = -27°05'42 Julian Calendar 1 Aug. 1678 BCE == Greg. Calendar 18 July 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

SEPTEMBER 1678 BCE (-1677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 40 20	23♌ 3'56	25♉31	6♍26	17♍35	19♋13	24°R54	22♊42	18°R 1	21♌51	19°R12	13♒ 0	12♒20	1♊ 6	n.a.	S 1
S 2	21 44 16	24° 3'34	9♒29	7°59	18°49	19°50	24♈53	22°47	17♓59	21°54	19♐12	13°R 0	12°17	1°13	n.a.	S 2
M 3	21 48 13	25° 3'14	23°14	9°31	20° 4	20°28	24°52	22°52	17°56	21°56	19°12	13° 0	12°14	1°20	n.a.	M 3
T 4	21 52 9	26° 2'56	6♓43	11° 2	21°18	21° 5	24°51	22°56	17°54	21°58	19°11	12°59	12°11	1°27	n.a.	T 4
W 5	21 56 6	27° 2'41	19°55	12°33	22°32	21°43	24°50	23° 1	17°52	22° 0	19°11	12°58	12° 8	1°33	n.a.	W 5
T 6	22 0 2	28° 2'28	2♈48	14° 3	23°46	22°21	24°48	23° 6	17°50	22° 3	19°11	12°55	12° 4	1°40	n.a.	T 6
F 7	22 3 59	29° 2'17	15°23	15°32	25° 0	22°58	24°47	23°10	17°47	22° 5	19°10	12°53	12° 1	1°47	n.a.	F 7
S 8	22 7 55	0♍ 2'08	27°43	17° 0	26°15	23°36	24°45	23°15	17°45	22° 7	19°10	12°51	11°58	1°53	n.a.	S 8
S 9	22 11 52	1° 2'02	9♉50	18°28	27°29	24°13	24°42	23°19	17°43	22° 9	19°10	12°49	11°55	2° 0	n.a.	S 9
M10	22 15 48	2° 1'58	21°47	19°55	28°43	24°51	24°40	23°24	17°40	22°11	19° 9	12°47	11°52	2° 7	n.a.	M10
T 11	22 19 45	3° 1'57	3♊40	21°22	29°57	25°28	24°38	23°28	17°38	22°14	19° 9	12°D47	11°49	2°14	n.a.	T 11
W12	22 23 42	4° 1'58	15°32	22°47	1♎11	26° 6	24°35	23°32	17°36	22°16	19° 9	12°48	11°45	2°20	n.a.	W12
T 13	22 27 38	5° 2'01	27°30	24°12	2°25	26°44	24°32	23°36	17°33	22°18	19° 9	12°49	11°42	2°27	n.a.	T 13
F 14	22 31 35	6° 2'07	9♋37	25°36	3°39	27°21	24°29	23°40	17°31	22°20	19° 9	12°50	11°39	2°34	n.a.	F 14
S 15	22 35 31	7° 2'15	21°57	27° 0	4°53	27°59	24°25	23°44	17°28	22°22	19° 9	12°52	11°36	2°40	n.a.	S 15
S 16	22 39 28	8° 2'25	4♌35	28°22	6° 7	28°36	24°22	23°48	17°26	22°25	19° 9	12°53	11°33	2°47	n.a.	S 16
M17	22 43 24	9° 2'37	17°32	29°43	7°21	29°14	24°18	23°51	17°23	22°27	19°D 9	12°R53	11°30	2°54	n.a.	M17
T 18	22 47 21	10° 2'51	0♍49	1♎ 4	8°36	29°51	24°14	23°55	17°21	22°29	19° 9	12°52	11°26	3° 1	n.a.	T 18
W19	22 51 17	11° 3'08	14°27	2°23	9°50	0♌29	24°10	23°58	17°19	22°31	19° 9	12°50	11°23	3° 7	n.a.	W19
T 20	22 55 14	12° 3'26	28°21	3°41	11° 4	1° 6	24° 6	24° 2	17°16	22°33	19° 9	12°46	11°20	3°14	n.a.	T 20
F 21	22 59 10	13° 3'46	12♎29	4°58	12°18	1°43	24° 1	24° 5	17°14	22°35	19° 9	12°41	11°17	3°21	n.a.	F 21
S 22	23 3 7	14° 4'08	26°46	6°13	13°32	2°21	23°57	24° 8	17°11	22°37	19° 9	12°36	11°14	3°27	n.a.	S 22
S 23	23 7 4	15° 4'31	11♏ 6	7°27	14°45	2°58	23°52	24°11	17° 9	22°40	19° 9	12°32	11°10	3°34	n.a.	S 23
M24	23 11 0	16° 4'56	25°26	8°39	15°59	3°36	23°47	24°14	17° 6	22°42	19° 9	12°29	11° 7	3°41	n.a.	M24
T 25	23 14 57	17° 5'23	9♐41	9°49	17°13	4°13	23°42	24°17	17° 4	22°44	19°10	12°27	11° 4	3°48	n.a.	T 25
W26	23 18 53	18° 5'52	23°49	10°56	18°27	4°50	23°36	24°20	17° 1	22°46	19°10	12°D27	11° 1	3°54	n.a.	W26
T 27	23 22 50	19° 6'21	7♑49	12° 2	19°41	5°28	23°31	24°23	16°59	22°48	19°10	12°28	10°58	4° 1	n.a.	T 27
F 28	23 26 46	20° 6'53	21°39	13° 4	20°55	6° 5	23°25	24°25	16°56	22°50	19°10	12°30	10°55	4° 8	n.a.	F 28
S 29	23 30 43	21° 7'26	5♒20	14° 4	22° 9	6°42	23°20	24°28	16°54	22°52	19°11	12°31	10°51	4°14	n.a.	S 29
S 30	23 34 39	22♍ 8'00	18♒50	15♎ 0	23♎23	7♌20	23♈14	24♊30	16♓51	22♌54	19♐11	12°R31	10♒48	4♊21	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n 5	23s 0	1s35	9n16	0s 3	5n33	0n36	23n42	1n13	8n39	1s16	23n30	0s11	5s32	0s47	15n58	1n34	29s25	5s59	17s14	17s25	25n32		n.a.
S 2	13 45	18 32	0 19	8 35	0 10	5 1	0 34	23 36	1 14	8 38	1 16	23 31	0 11	5 33	0 47	15 57	1 34	29 25	5 59	17 14	17 26	25 33		n.a.
M 3	13 25	13 9	0n56	7 53	0 17	4 29	0 31	23 31	1 14	8 38	1 16	23 31	0 11	5 34	0 47	15 56	1 34	29 25	5 59	17 14	17 27	25 34		n.a.
T 4	13 4	7 15	2 7	7 12	0 24	3 57	0 29	23 26	1 14	8 37	1 16	23 31	0 11	5 35	0 47	15 56	1 34	29 24	5 59	17 14	17 28	25 35		n.a.
W 5	12 44	1 10	3 10	6 30	0 31	3 25	0 26	23 20	1 15	8 36	1 17	23 32	0 10	5 36	0 47	15 55	1 34	29 24	5 59	17 15	17 29	25 36		n.a.
T 6	12 23	4n49	4 1	5 49	0 38	2 53	0 24	23 14	1 15	8 36	1 17	23 32	0 10	5 37	0 47	15 54	1 34	29 24	5 59	17 15	17 30	25 38		n.a.
F 7	12 2	10 27	4 40	5 7	0 45	2 21	0 21	23 8	1 16	8 35	1 17	23 32	0 10	5 38	0 47	15 53	1 34	29 24	5 59	17 16	17 31	25 39		n.a.
S 8	11 40	15 34	5 4	4 26	0 52	1 48	0 19	23 2	1 16	8 34	1 17	23 33	0 10	5 39	0 47	15 53	1 34	29 24	5 59	17 16	17 32	25 40		n.a.
S 9	11 19	20 0	5 15	3 45	0 59	1 16	0 16	22 56	1 16	8 33	1 17	23 33	0 10	5 40	0 47	15 52	1 34	29 24	5 59	17 17	17 32	25 41		n.a.
M10	10 57	23 33	5 11	3 4	1 6	0 43	0 13	22 49	1 17	8 32	1 17	23 33	0 10	5 41	0 47	15 51	1 34	29 24	5 59	17 17	17 33	25 42		n.a.
T 11	10 35	26 6	4 55	2 23	1 13	0 11	0 11	22 43	1 17	8 31	1 17	23 34	0 10	5 42	0 47	15 50	1 34	29 24	5 59	17 18	17 34	25 43		n.a.
W12	10 13	27 29	4 25	1 42	1 19	0s22	0 8	22 36	1 17	8 30	1 17	23 34	0 10	5 43	0 47	15 50	1 34	29 24	5 59	17 17	17 35	25 44		n.a.
T 13	9 51	27 36	3 44	1 2	1 26	0 54	0 5	22 29	1 18	8 29	1 17	23 34	0 10	5 44	0 47	15 49	1 34	29 23	5 58	17 17	17 36	25 45		n.a.
F 14	9 28	26 25	2 53	0 22	1 33	1 27	0 2	22 22	1 18	8 28	1 18	23 34	0 10	5 44	0 47	15 48	1 34	29 23	5 58	17 17	17 37	25 46		n.a.
S 15	9 5	23 55	1 53	0s18	1 39	1 59	0s 1	22 14	1 19	8 26	1 18	23 35	0 10	5 45	0 47	15 48	1 34	29 23	5 58	17 16	17 38	25 48		n.a.
S 16	8 43	20 13	0 46	0 57	1 45	2 32	0 3	22 7	1 19	8 25	1 18	23 35	0 10	5 46	0 47	15 47	1 34	29 23	5 58	17 16	17 39	25 49		n.a.
M17	8 20	15 28	0s25	1 35	1 51	3 4	0 6	21 59	1 19	8 23	1 18	23 35	0 10	5 47	0 47	15 46	1 34	29 23	5 58	17 16	17 40	25 50		n.a.
T 18	7 57	9 53	1 37	2 13	1 57	3 36	0 9	21 52	1 20	8 22	1 18	23 35	0 9	5 48	0 47	15 46	1 34	29 23	5 58	17 16	17 41	25 51		n.a.
W19	7 33	3 43	2 44	2 51	2 3	4 9	0 12	21 44	1 20	8 20	1 18	23 36	0 9	5 49	0 47	15 45	1 34	29 23	5 58	17 17	17 41	25 52		n.a.
T 20	7 10	2s44	3 43	3 27	2 9	4 41	0 15	21 36	1 20	8 19	1 18	23 36	0 9	5 50	0 47	15 44	1 34	29 23	5 58	17 18	17 42	25 53		n.a.
F 21	6 47	9 9	4 30	4 3	2 14	5 13	0 18	21 28	1 21	8 17	1 18	23 36	0 9	5 51	0 47	15 43	1 34	29 23	5 58	17 19	17 43	25 54		n.a.
S 22	6 23	15 9	5 0	4 38	2 19	5 45	0 21	21 20	1 21	8 15	1 18	23 36	0 9	5 52	0 47	15 43	1 34	29 23	5 58	17 21	17 44	25 55		n.a.
S 23	5 59	20 22	5 12	5 12	2 24	6 17	0 23	21 11	1 22	8 13	1 18	23 37	0 9	5 53	0 47	15 42	1 34	29 23	5 58	17 22	17 45	25 56		n.a.
M24	5 35	24 23	5 4	5 45	2 28	6 49	0 26	21 3	1 22	8 11	1 18	23 37	0 9	5 54	0 47	15 41	1 34	29 22	5 57	17 23	17 46	25 57		n.a.
T 25	5 11	26 53	4 37	6 17	2 33	7 20	0 29	20 54	1 22	8 9	1 18	23 37	0 9	5 55	0 47	15 41	1 34	29 22	5 57	17 23	17 47	25 58		n.a.
W26	4 47	27 39	3 54	6 48	2 36	7 52	0 32	20 45	1 23	8 7	1 18	23 37	0 9	5 56	0 47	15 40	1 34	29 22	5 57	17 23	17 48	25 59		n.a.
T 27	4 23	26 37	2 58	7 17	2 39	8 23	0 35	20 36	1 23	8 5	1 19	23 37	0 9	5 57	0 47	15 39	1 34	29 22	5 57	17 23	17 49	26 0		n.a.
F 28	3 59	23 56	1 51	7 44	2 42	8 54	0 38	20 27	1 23	8 3	1 19	23 38	0 9	5 58	0 47	15 39	1 34	29 22	5 57	17 22	17 49	26 1		n.a.
S 29	3 35	19 55	0 39	8 10	2 44	9 25	0 41	20 18	1 24	8 1	1 19	23 38	0 9	5 59	0 47	15 38	1 34	29 22	5 57	17 22	17 50	26 2		n.a.
S 30	3n11	14s55	0n34	8s33	2s46	9s55	0s44	20n 8	1n24	7n59	1s19	23n38	0s 8	6s 0	0s47	15n37	1n34	29s22	5s57	17s22	17s51	26n 3		n.a.

Julian Day Number = 1108776.5, Delta T = 10h54m44s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'39, Lahiri = -27°05'38 Julian Calendar 1 Sept. 1678 BCE == Greg. Calendar 18 Aug. 1678 BCE

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

OCTOBER 1678 BCE (-1677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 38 36	23♍ 8'36	2♓10	15♎52	24♎36	7♌57	23°R 8	24♊32	16°R49	22♌56	19♐11	12°R29	10♒45	4♊28	n.a.	M 1
T 2	23 42 33	24° 9'13	15°18	16°40	25°50	8°34	23♈ 1	24°35	16♓46	22°58	19°12	12♒25	10°42	4°35	n.a.	T 2
W 3	23 46 29	25° 9'52	28°13	17°23	27° 4	9°12	22°55	24°37	16°44	23° 0	19°12	12°20	10°39	4°41	n.a.	W 3
T 4	23 50 26	26°10'32	10♈54	18° 0	28°17	9°49	22°48	24°39	16°41	23° 2	19°13	12°12	10°35	4°48	n.a.	T 4
F 5	23 54 22	27°11'14	23°23	18°31	29°31	10°26	22°42	24°41	16°39	23° 4	19°13	12° 3	10°32	4°55	n.a.	F 5
S 6	23 58 19	28°11'58	5♉39	18°56	0♏45	11° 3	22°35	24°42	16°37	23° 6	19°14	11°55	10°29	5° 1	n.a.	S 6
S 7	0 2 15	29°12'44	17°44	19°13	1°58	11°41	22°28	24°44	16°34	23° 8	19°14	11°47	10°26	5° 8	n.a.	S 7
M 8	0 6 12	0♎13'31	29°40	19°R21	3°12	12°18	22°21	24°45	16°32	23°10	19°15	11°40	10°23	5°15	n.a.	M 8
T 9	0 10 8	1°14'21	11♊31	19°21	4°26	12°55	22°14	24°47	16°29	23°11	19°15	11°36	10°20	5°22	n.a.	T 9
W10	0 14 5	2°15'12	23°22	19°10	5°39	13°32	22° 7	24°48	16°27	23°13	19°16	11°33	10°16	5°28	n.a.	W10
T 11	0 18 2	3°16'04	5♋17	18°50	6°53	14° 9	21°59	24°49	16°25	23°15	19°17	11°D33	10°13	5°35	n.a.	T 11
F 12	0 21 58	4°16'58	17°21	18°19	8° 6	14°47	21°52	24°50	16°22	23°17	19°17	11°33	10°10	5°42	n.a.	F 12
S 13	0 25 55	5°17'54	29°40	17°37	9°20	15°24	21°44	24°51	16°20	23°19	19°18	11°34	10° 7	5°48	n.a.	S 13
S 14	0 29 51	6°18'52	12♌18	16°45	10°33	16° 1	21°37	24°52	16°18	23°20	19°19	11°R35	10° 4	5°55	n.a.	S 14
M15	0 33 48	7°19'51	25°20	15°43	11°46	16°38	21°29	24°53	16°16	23°22	19°20	11°34	10° 1	6° 2	n.a.	M15
T 16	0 37 44	8°20'51	8♍47	14°33	13° 0	17°15	21°21	24°54	16°13	23°24	19°20	11°31	9°57	6° 9	n.a.	T 16
W17	0 41 41	9°21'53	22°41	13°16	14°13	17°52	21°13	24°54	16°11	23°26	19°21	11°25	9°54	6°15	n.a.	W17
T 18	0 45 37	10°22'56	6♎58	11°55	15°27	18°29	21° 6	24°55	16° 9	23°27	19°22	11°17	9°51	6°22	n.a.	T 18
F 19	0 49 34	11°24'00	21°33	10°33	16°40	19° 6	20°58	24°55	16° 7	23°29	19°23	11° 7	9°48	6°29	n.a.	F 19
S 20	0 53 31	12°25'05	6♏20	9°11	17°53	19°43	20°50	24°55	16° 4	23°31	19°24	10°57	9°45	6°35	n.a.	S 20
S 21	0 57 27	13°26'11	21° 8	7°54	19° 6	20°20	20°42	24°R55	16° 2	23°32	19°25	10°48	9°41	6°42	n.a.	S 21
M22	1 1 24	14°27'19	5♐51	6°43	20°19	20°57	20°33	24°55	16° 0	23°34	19°26	10°40	9°38	6°49	n.a.	M22
T 23	1 5 20	15°28'27	20°22	5°41	21°33	21°34	20°25	24°55	15°58	23°35	19°27	10°35	9°35	6°56	n.a.	T 23
W24	1 9 17	16°29'35	4♑37	4°48	22°46	22°11	20°17	24°55	15°56	23°37	19°28	10°33	9°32	7° 2	n.a.	W24
T 25	1 13 13	17°30'45	18°35	4° 7	23°59	22°48	20° 9	24°54	15°54	23°38	19°29	10°D32	9°29	7° 9	n.a.	T 25
F 26	1 17 10	18°31'54	2♒14	3°37	25°12	23°24	20° 1	24°54	15°52	23°40	19°30	10°32	9°26	7°16	n.a.	F 26
S 27	1 21 6	19°33'05	15°38	3°18	26°25	24° 1	19°53	24°53	15°50	23°41	19°31	10°R32	9°22	7°22	n.a.	S 27
S 28	1 25 3	20°34'16	28°48	3°D10	27°38	24°38	19°44	24°53	15°48	23°43	19°32	10°31	9°19	7°29	n.a.	S 28
M29	1 29 0	21°35'27	11♓45	3°13	28°51	25°15	19°36	24°52	15°46	23°44	19°33	10°27	9°16	7°36	n.a.	M29
T 30	1 32 56	22°36'39	24°31	3°26	0♐ 3	25°52	19°28	24°51	15°44	23°45	19°34	10°20	9°13	7°42	n.a.	T 30
W31	1 36 53	23♎37'51	7♈ 7	3♎47	1♐16	26♌28	19♈20	24♊50	15♓43	23♌47	19♐35	10♒10	9♒10	7♊49	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	2n46	9s17	1n45	8s55	2s47	10s26	0s47	19n59	1n25	7n56	1s19	23n38	0s 8	6s 1	0s47	15n37	1n34	29s22	5s57	17s23	17s52	26n 4			n.a.
T 2	2 22	3 20	2 48	9 13	2 47	10 56	0 49	19 49	1 25	7 54	1 19	23 38	0 8	6 2	0 47	15 36	1 34	29 22	5 57	17 24	17 53	26 5			n.a.
W 3	1 57	2n39	3 42	9 30	2 46	11 26	0 52	19 40	1 25	7 52	1 19	23 39	0 8	6 3	0 47	15 36	1 35	29 22	5 57	17 25	17 54	26 6			n.a.
T 4	1 33	8 25	4 23	9 43	2 44	11 55	0 55	19 30	1 26	7 49	1 19	23 39	0 8	6 4	0 47	15 35	1 35	29 22	5 56	17 28	17 55	26 7			n.a.
F 5	1 8	13 45	4 51	9 52	2 41	12 25	0 58	19 20	1 26	7 47	1 19	23 39	0 8	6 5	0 47	15 34	1 35	29 22	5 56	17 30	17 56	26 7			n.a.
S 6	0 44	18 26	5 5	9 58	2 37	12 54	1 1	19 10	1 26	7 44	1 19	23 39	0 8	6 6	0 47	15 34	1 35	29 22	5 56	17 33	17 56	26 8			n.a.
S 7	0 19	22 19	5 6	10 0	2 32	13 22	1 3	19 0	1 27	7 41	1 19	23 39	0 8	6 7	0 47	15 33	1 35	29 22	5 56	17 35	17 57	26 9			n.a.
M 8	0s 5	25 13	4 52	9 57	2 25	13 51	1 6	18 49	1 27	7 39	1 19	23 39	0 8	6 8	0 47	15 33	1 35	29 22	5 56	17 37	17 58	26 10			n.a.
T 9	0 30	26 59	4 27	9 49	2 17	14 19	1 9	18 39	1 27	7 36	1 19	23 39	0 8	6 9	0 47	15 32	1 35	29 22	5 56	17 38	17 59	26 11			n.a.
W10	0 55	27 33	3 50	9 36	2 7	14 47	1 12	18 28	1 28	7 33	1 19	23 40	0 8	6 10	0 47	15 31	1 35	29 22	5 56	17 39	18 0	26 12			n.a.
T 11	1 19	26 49	3 2	9 18	1 56	15 14	1 14	18 18	1 28	7 31	1 19	23 40	0 8	6 11	0 47	15 31	1 35	29 22	5 56	17 39	18 1	26 13			n.a.
F 12	1 44	24 50	2 6	8 53	1 43	15 41	1 17	18 7	1 28	7 28	1 19	23 40	0 7	6 11	0 47	15 30	1 35	29 22	5 56	17 39	18 2	26 14			n.a.
S 13	2 9	21 38	1 4	8 23	1 28	16 7	1 19	17 56	1 29	7 25	1 19	23 40	0 7	6 12	0 47	15 30	1 35	29 22	5 56	17 38	18 3	26 15			n.a.
S 14	2 33	17 22	0s 4	7 48	1 11	16 34	1 22	17 45	1 29	7 22	1 19	23 40	0 7	6 13	0 47	15 29	1 35	29 22	5 56	17 38	18 3	26 15			n.a.
M15	2 58	12 11	1 13	7 7	0 53	16 59	1 25	17 34	1 30	7 19	1 19	23 40	0 7	6 14	0 47	15 29	1 35	29 21	5 56	17 38	18 4	26 16			n.a.
T 16	3 22	6 16	2 20	6 21	0 34	17 25	1 27	17 23	1 30	7 16	1 18	23 40	0 7	6 15	0 47	15 28	1 35	29 21	5 55	17 39	18 5	26 17			n.a.
W17	3 47	0s 7	3 21	5 32	0 14	17 50	1 29	17 12	1 30	7 13	1 18	23 40	0 7	6 16	0 47	15 27	1 35	29 21	5 55	17 41	18 6	26 18			n.a.
T 18	4 11	6 39	4 11	4 41	0n 7	18 14	1 32	17 0	1 31	7 10	1 18	23 41	0 7	6 17	0 47	15 27	1 35	29 21	5 55	17 43	18 7	26 19			n.a.
F 19	4 35	12 58	4 46	3 50	0 28	18 38	1 34	16 49	1 31	7 7	1 18	23 41	0 7	6 18	0 47	15 26	1 35	29 21	5 55	17 46	18 8	26 20			n.a.
S 20	5 0	18 37	5 2	2 59	0 48	19 1	1 36	16 37	1 31	7 4	1 18	23 41	0 7	6 18	0 47	15 26	1 35	29 21	5 55	17 49	18 9	26 20			n.a.
S 21	5 24	23 10	4 58	2 10	1 7	19 24	1 39	16 26	1 32	7 1	1 18	23 41	0 7	6 19	0 47	15 25	1 35	29 21	5 55	17 51	18 10	26 21			n.a.
M22	5 48	26 12	4 35	1 26	1 24	19 47	1 41	16 14	1 32	6 58	1 18	23 41	0 7	6 20	0 46	15 25	1 35	29 21	5 55	17 53	18 10	26 22			n.a.
T 23	6 12	27 25	3 54	0 46	1 40	20 9	1 43	16 2	1 32	6 55	1 18	23 41	0 6	6 21	0 46	15 24	1 35	29 21	5 55	17 55	18 11	26 23			n.a.
W24	6 36	26 47	2 59	0 12	1 54	20 30	1 45	15 50	1 33	6 52	1 18	23 41	0 6	6 22	0 46	15 24	1 35	29 21	5 55	17 55	18 12	26 24			n.a.
T 25	7 0	24 27	1 54	0n16	2 6	20 51	1 47	15 38	1 33	6 49	1 18	23 41	0 6	6 22	0 46	15 24	1 36	29 21	5 55	17 56	18 13	26 24			n.a.
F 26	7 24	20 45	0 44	0 37	2 16	21 11	1 49	15 26	1 33	6 46	1 18	23 41	0 6	6 23	0 46	15 23	1 36	29 21	5 55	17 56	18 14	26 25			n.a.
S 27	7 47	16 1	0n27	0 52	2 24	21 31	1 51	15 14	1 34	6 43	1 17	23 41	0 6	6 24	0 46	15 23	1 36	29 22	5 55	17 56	18 15	26 26			n.a.
S 28	8 11	10 38	1 35	1 1	2 30	21 50	1 53	15 2	1 34	6 40	1 17	23 41	0 6	6 25	0 46	15 22	1 36	29 22	5 55	17 56	18 16	26 27			n.a.
M29	8 34	4 52	2 37	1 4	2 35	22 8	1 54	14 49	1 34	6 37	1 17	23 41	0 6	6 25	0 46	15 22	1 36	29 22	5 54	17 57	18 16	26 27			n.a.
T 30	8 57	0n59	3 30	1 1	2 38	22 26	1 56	14 37	1 35	6 34	1 17	23 42	0 6	6 26	0 46	15 21	1 36	29 22	5 54	17 59	18 17	26 28			n.a.
W31	9s21	6n43	4n12	0n54	2n39	22s43	1s58	14n25	1n35	6n31	1s17	23n42	0s 6	6s27	0s46	15n21	1n36	29s22	5s54	18s 2	18s18	26n29			n.a.

Julian Day Number = 1108806.5, Delta T = 10h54m42s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'35, Lahiri = -27°05'34 Julian Calendar 1 Oct. 1678 BCE == Greg. Calendar 17 Sept. 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

NOVEMBER 1678 BCE (-1677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 40 49	24♎39'04	19♈33	4♎17	2♐29	27♌ 5	19°R12	24°R49	15°R41	23♌48	19♐36	9°R58	9♒ 6	7♊56	n.a.	T 1
F 2	1 44 46	25°40'18	1♉50	4°53	3°41	27°42	19♈ 4	24♊47	15♓39	23°49	19°38	9♒44	9° 3	8° 3	n.a.	F 2
S 3	1 48 42	26°41'33	13°58	5°37	4°54	28°18	18°56	24°46	15°37	23°51	19°39	9°30	9° 0	8° 9	n.a.	S 3
S 4	1 52 39	27°42'48	25°58	6°26	6° 7	28°55	18°48	24°44	15°36	23°52	19°40	9°16	8°57	8°16	n.a.	S 4
M 5	1 56 35	28°44'03	7♊52	7°20	7°19	29°32	18°40	24°43	15°34	23°53	19°41	9° 4	8°54	8°23	n.a.	M 5
T 6	2 0 32	29°45'20	19°41	8°18	8°32	0♍ 8	18°32	24°41	15°33	23°54	19°43	8°55	8°51	8°29	n.a.	T 6
W 7	2 4 29	0♏46'37	1♋31	9°21	9°44	0°45	18°24	24°39	15°31	23°55	19°44	8°49	8°47	8°36	n.a.	W 7
T 8	2 8 25	1°47'54	13°23	10°26	10°56	1°21	18°16	24°37	15°29	23°56	19°45	8°46	8°44	8°43	n.a.	T 8
F 9	2 12 22	2°49'13	25°24	11°35	12° 8	1°58	18° 8	24°35	15°28	23°58	19°47	8°45	8°41	8°50	n.a.	F 9
S 10	2 16 18	3°50'31	7♌38	12°47	13°21	2°34	18° 1	24°33	15°27	23°59	19°48	8°45	8°38	8°56	n.a.	S 10
S 11	2 20 15	4°51'51	20°11	14° 0	14°33	3°11	17°53	24°31	15°25	24° 0	19°49	8°45	8°35	9° 3	n.a.	S 11
M12	2 24 11	5°53'10	3♍ 9	15°16	15°45	3°47	17°46	24°29	15°24	24° 1	19°51	8°43	8°32	9°10	n.a.	M12
T 13	2 28 8	6°54'30	16°34	16°34	16°57	4°23	17°38	24°26	15°23	24° 2	19°52	8°39	8°28	9°16	n.a.	T 13
W14	2 32 5	7°55'51	0♎29	17°53	18° 9	5° 0	17°31	24°24	15°21	24° 2	19°54	8°32	8°25	9°23	n.a.	W14
T 15	2 36 1	8°57'12	14°54	19°13	19°21	5°36	17°24	24°21	15°20	24° 3	19°55	8°23	8°22	9°30	n.a.	T 15
F 16	2 39 58	9°58'33	29°43	20°35	20°32	6°12	17°17	24°19	15°19	24° 4	19°57	8°11	8°19	9°36	n.a.	F 16
S 17	2 43 54	10°59'54	14♏49	21°57	21°44	6°48	17°10	24°16	15°18	24° 5	19°58	7°59	8°16	9°43	n.a.	S 17
S 18	2 47 51	12° 1'15	0♐ 1	23°21	22°56	7°25	17° 3	24°13	15°17	24° 6	20° 0	7°48	8°12	9°50	n.a.	S 18
M19	2 51 47	13° 2'36	15° 8	24°46	24° 7	8° 1	16°57	24°10	15°16	24° 7	20° 1	7°38	8° 9	9°57	n.a.	M19
T 20	2 55 44	14° 3'57	0♑ 2	26°11	25°19	8°37	16°50	24° 7	15°15	24° 7	20° 3	7°31	8° 6	10° 3	n.a.	T 20
W21	2 59 41	15° 5'17	14°34	27°37	26°30	9°13	16°44	24° 4	15°14	24° 8	20° 4	7°28	8° 3	10°10	n.a.	W21
T 22	3 3 37	16° 6'37	28°43	29° 4	27°41	9°49	16°38	24° 0	15°13	24° 9	20° 6	7°26	8° 0	10°17	n.a.	T 22
F 23	3 7 34	17° 7'57	12♒27	0♏32	28°52	10°25	16°31	23°57	15°12	24° 9	20° 8	7°26	7°57	10°23	n.a.	F 23
S 24	3 11 30	18° 9'15	25°48	2° 0	0♑ 3	11° 1	16°26	23°54	15°11	24°10	20° 9	7°26	7°53	10°30	n.a.	S 24
S 25	3 15 27	19°10'33	8♓49	3°28	1°14	11°37	16°20	23°50	15°11	24°10	20°11	7°24	7°50	10°37	n.a.	S 25
M26	3 19 23	20°11'50	21°33	4°57	2°25	12°13	16°14	23°47	15°10	24°11	20°12	7°21	7°47	10°43	n.a.	M26
T 27	3 23 20	21°13'07	4♈ 5	6°27	3°36	12°48	16° 9	23°43	15° 9	24°11	20°14	7°14	7°44	10°50	n.a.	T 27
W28	3 27 16	22°14'23	16°25	7°57	4°46	13°24	16° 3	23°39	15° 9	24°12	20°16	7° 4	7°41	10°57	n.a.	W28
T 29	3 31 13	23°15'39	28°37	9°28	5°57	14° 0	15°58	23°35	15° 8	24°12	20°17	6°52	7°38	11° 4	n.a.	T 29
F 30	3 35 10	24♏16'53	10♉42	10♏59	7♑ 7	14♍36	15♈53	23♊31	15♓ 8	24♌13	20♐19	6♒39	7♒34	11♊10	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s44	12n 7	4n42	0n42	2n39	23s 0	1s59	14n12	1n35	6n28	1s17	23n42	0s 6	6s27	0s46	15n21	1n36	29s22	5s54	18s 5	18s19	26n30		n.a.
F 2	10 6	16 58	4 57	0 26	2 38	23 16	2 1	13 59	1 36	6 25	1 17	23 42	0 6	6 28	0 46	15 20	1 36	29 22	5 54	18 9	18 20	26 30		n.a.
S 3	10 29	21 4	4 59	0 7	2 36	23 31	2 2	13 47	1 36	6 22	1 16	23 42	0 5	6 29	0 46	15 20	1 36	29 22	5 54	18 13	18 21	26 31		n.a.
S 4	10 51	24 16	4 48	0s15	2 33	23 46	2 3	13 34	1 36	6 19	1 16	23 42	0 5	6 29	0 46	15 19	1 36	29 22	5 54	18 16	18 22	26 32		n.a.
M 5	11 14	26 22	4 24	0 40	2 30	24 0	2 5	13 21	1 37	6 17	1 16	23 42	0 5	6 30	0 46	15 19	1 36	29 22	5 54	18 20	18 22	26 32		n.a.
T 6	11 36	27 17	3 48	1 8	2 26	24 13	2 6	13 8	1 37	6 14	1 16	23 42	0 5	6 31	0 46	15 19	1 36	29 22	5 54	18 22	18 23	26 33		n.a.
W 7	11 58	26 56	3 3	1 37	2 21	24 25	2 7	12 56	1 37	6 11	1 16	23 42	0 5	6 31	0 46	15 18	1 36	29 22	5 54	18 24	18 24	26 34		n.a.
T 8	12 19	25 21	2 10	2 8	2 16	24 37	2 8	12 43	1 37	6 8	1 16	23 42	0 5	6 32	0 46	15 18	1 36	29 22	5 54	18 24	18 25	26 34		n.a.
F 9	12 41	22 36	1 10	2 41	2 10	24 48	2 9	12 30	1 38	6 5	1 15	23 42	0 5	6 32	0 46	15 18	1 36	29 22	5 54	18 25	18 26	26 35		n.a.
S 10	13 2	18 48	0 6	3 14	2 4	24 59	2 10	12 16	1 38	6 2	1 15	23 42	0 5	6 33	0 46	15 18	1 36	29 22	5 54	18 25	18 27	26 36		n.a.
S 11	13 23	14 5	1s 0	3 49	1 58	25 8	2 10	12 3	1 38	6 0	1 15	23 42	0 5	6 33	0 46	15 17	1 36	29 22	5 54	18 25	18 28	26 36		n.a.
M12	13 44	8 36	2 5	4 25	1 51	25 17	2 11	11 50	1 39	5 57	1 15	23 42	0 5	6 34	0 46	15 17	1 37	29 22	5 54	18 25	18 28	26 37		n.a.
T 13	14 5	2 34	3 5	5 1	1 45	25 25	2 12	11 37	1 39	5 54	1 15	23 42	0 4	6 34	0 46	15 17	1 37	29 22	5 54	18 26	18 29	26 38		n.a.
W14	14 25	3s49	3 57	5 39	1 38	25 33	2 12	11 24	1 39	5 52	1 14	23 42	0 4	6 35	0 46	15 16	1 37	29 22	5 54	18 28	18 30	26 38		n.a.
T 15	14 45	10 12	4 35	6 16	1 31	25 39	2 12	11 10	1 40	5 49	1 14	23 42	0 4	6 35	0 46	15 16	1 37	29 23	5 54	18 31	18 31	26 39		n.a.
F 16	15 5	16 11	4 57	6 54	1 23	25 45	2 13	10 57	1 40	5 47	1 14	23 42	0 4	6 36	0 46	15 16	1 37	29 23	5 54	18 34	18 32	26 39		n.a.
S 17	15 24	21 19	4 58	7 32	1 16	25 50	2 13	10 43	1 40	5 44	1 14	23 42	0 4	6 36	0 46	15 16	1 37	29 23	5 54	18 37	18 33	26 40		n.a.
S 18	15 44	25 3	4 38	8 10	1 9	25 55	2 13	10 30	1 40	5 42	1 13	23 42	0 4	6 36	0 46	15 16	1 37	29 23	5 53	18 40	18 33	26 41		n.a.
M19	16 3	27 0	3 59	8 49	1 2	25 58	2 13	10 16	1 41	5 39	1 13	23 42	0 4	6 37	0 46	15 15	1 37	29 23	5 53	18 42	18 34	26 41		n.a.
T 20	16 22	26 57	3 4	9 27	0 54	26 1	2 13	10 3	1 41	5 37	1 13	23 42	0 4	6 37	0 46	15 15	1 37	29 23	5 53	18 44	18 35	26 42		n.a.
W21	16 40	25 2	1 58	10 6	0 47	26 3	2 13	9 49	1 41	5 35	1 13	23 42	0 4	6 37	0 46	15 15	1 37	29 23	5 53	18 45	18 36	26 42		n.a.
T 22	16 58	21 33	0 46	10 44	0 40	26 5	2 12	9 36	1 42	5 33	1 12	23 42	0 4	6 38	0 45	15 15	1 37	29 23	5 53	18 46	18 37	26 43		n.a.
F 23	17 16	16 58	0n26	11 22	0 32	26 5	2 12	9 22	1 42	5 31	1 12	23 42	0 3	6 38	0 45	15 15	1 37	29 23	5 53	18 46	18 38	26 43		n.a.
S 24	17 34	11 40	1 35	12 0	0 25	26 5	2 11	9 8	1 42	5 28	1 12	23 41	0 3	6 38	0 45	15 14	1 37	29 23	5 53	18 46	18 38	26 44		n.a.
S 25	17 51	5 59	2 38	12 38	0 18	26 4	2 11	8 55	1 42	5 26	1 12	23 41	0 3	6 39	0 45	15 14	1 37	29 24	5 53	18 46	18 39	26 45		n.a.
M26	18 8	0 12	3 31	13 15	0 11	26 2	2 10	8 41	1 43	5 24	1 11	23 41	0 3	6 39	0 45	15 14	1 37	29 24	5 53	18 47	18 40	26 45		n.a.
T 27	18 24	5n30	4 12	13 52	0 3	26 0	2 9	8 27	1 43	5 23	1 11	23 41	0 3	6 39	0 45	15 14	1 37	29 24	5 53	18 49	18 41	26 46		n.a.
W28	18 40	10 53	4 42	14 29	0s 4	25 56	2 8	8 14	1 43	5 21	1 11	23 41	0 3	6 39	0 45	15 14	1 38	29 24	5 53	18 51	18 42	26 46		n.a.
T 29	18 56	15 48	4 57	15 5	0 10	25 52	2 7	8 0	1 44	5 19	1 10	23 41	0 3	6 39	0 45	15 14	1 38	29 24	5 53	18 54	18 43	26 47		n.a.
F 30	19s12	20n 3	5n 0	15s40	0s17	25s47	2s 6	7n46	1n44	5n17	1s10	23n41	0s 3	6s39	0s45	15n14	1n38	29s24	5s53	18s58	18s43	26n47		n.a.

Julian Day Number = 1108837.5, Delta T = 10h54m40s
Ecliptic obliquity = 23°53'31, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'30, Lahiri = -27°05'30 Julian Calendar 1 Nov. 1678 BCE == Greg. Calendar 18 Oct. 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1678 BCE
geocentric

DECEMBER 1678 BCE (-1677) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 39 6	25♏18'08	22♉42	12♏30	8♋17	15♍11	15°R48	23°R28	15°R 7	24♌13	20♐21	6°R24	7♒31	11♊17	n.a.	S 1
S 2	3 43 3	26°19'21	4♊36	14° 2	9°27	15°47	15♈44	23♊23	15♓ 7	24°13	20°23	6♒11	7°28	11°24	n.a.	S 2
M 3	3 46 59	27°20'34	16°28	15°35	10°37	16°22	15°39	23°19	15° 7	24°14	20°24	6° 0	7°25	11°30	n.a.	M 3
T 4	3 50 56	28°21'47	28°17	17° 8	11°47	16°58	15°35	23°15	15° 6	24°14	20°26	5°51	7°22	11°37	n.a.	T 4
W 5	3 54 52	29°22'59	10♋ 7	18°41	12°57	17°33	15°31	23°11	15° 6	24°14	20°28	5°44	7°18	11°44	n.a.	W 5
T 6	3 58 49	0♐24'10	22° 1	20°15	14° 6	18° 9	15°27	23° 7	15° 6	24°14	20°29	5°41	7°15	11°50	n.a.	T 6
F 7	4 2 46	1°25'21	4♌ 2	21°50	15°16	18°44	15°23	23° 3	15° 6	24°14	20°31	5°D40	7°12	11°57	n.a.	F 7
S 8	4 6 42	2°26'31	16°15	23°25	16°25	19°19	15°20	22°58	15° 6	24°15	20°33	5°40	7° 9	12° 4	n.a.	S 8
S 9	4 10 39	3°27'40	28°45	25° 0	17°34	19°54	15°17	22°54	15°D 6	24°15	20°35	5°R41	7° 6	12°11	n.a.	S 9
M10	4 14 35	4°28'49	11♍36	26°37	18°43	20°30	15°13	22°49	15° 6	24°15	20°37	5°41	7° 3	12°17	n.a.	M10
T 11	4 18 32	5°29'57	24°53	28°13	19°52	21° 5	15°11	22°45	15° 6	24°R15	20°38	5°39	6°59	12°24	n.a.	T 11
W12	4 22 28	6°31'04	8♎40	29°51	21° 0	21°40	15° 8	22°40	15° 6	24°15	20°40	5°35	6°56	12°31	n.a.	W12
T 13	4 26 25	7°32'11	22°56	1♐28	22° 9	22°15	15° 5	22°36	15° 6	24°15	20°42	5°28	6°53	12°37	n.a.	T 13
F 14	4 30 21	8°33'17	7♏40	3° 7	23°17	22°50	15° 3	22°31	15° 7	24°14	20°44	5°20	6°50	12°44	n.a.	F 14
S 15	4 34 18	9°34'22	22°46	4°46	24°25	23°24	15° 1	22°26	15° 7	24°14	20°46	5°11	6°47	12°51	n.a.	S 15
S 16	4 38 15	10°35'26	8♐ 4	6°26	25°33	23°59	14°59	22°22	15° 7	24°14	20°47	5° 2	6°44	12°57	n.a.	S 16
M17	4 42 11	11°36'29	23°22	8° 6	26°40	24°34	14°57	22°17	15° 8	24°14	20°49	4°55	6°40	13° 4	n.a.	M17
T 18	4 46 8	12°37'30	8♑31	9°47	27°48	25° 9	14°56	22°12	15° 8	24°14	20°51	4°50	6°37	13°11	n.a.	T 18
W19	4 50 4	13°38'30	23°21	11°29	28°55	25°43	14°54	22° 7	15° 9	24°13	20°53	4°47	6°34	13°18	n.a.	W19
T 20	4 54 1	14°39'29	7♒46	13°11	0♒ 2	26°18	14°53	22° 2	15° 9	24°13	20°55	4°D47	6°31	13°24	n.a.	T 20
F 21	4 57 57	15°40'26	21°43	14°54	1° 9	26°52	14°52	21°58	15°10	24°13	20°57	4°48	6°28	13°31	n.a.	F 21
S 22	5 1 54	16°41'21	5♓12	16°38	2°15	27°26	14°52	21°53	15°11	24°12	20°59	4°49	6°24	13°38	n.a.	S 22
S 23	5 5 51	17°42'15	18°17	18°23	3°22	28° 1	14°51	21°48	15°11	24°12	21° 0	4°R49	6°21	13°44	n.a.	S 23
M24	5 9 47	18°43'07	1♈ 1	20° 8	4°28	28°35	14°51	21°43	15°12	24°12	21° 2	4°49	6°18	13°51	n.a.	M24
T 25	5 13 44	19°43'57	13°27	21°54	5°33	29° 9	14°D51	21°38	15°13	24°11	21° 4	4°46	6°15	13°58	n.a.	T 25
W26	5 17 40	20°44'46	25°41	23°40	6°39	29°43	14°51	21°33	15°14	24°11	21° 6	4°41	6°12	14° 4	n.a.	W26
T 27	5 21 37	21°45'33	7♉44	25°28	7°44	0♎17	14°51	21°28	15°15	24°10	21° 8	4°34	6° 9	14°11	n.a.	T 27
F 28	5 25 33	22°46'18	19°41	27°15	8°49	0°51	14°52	21°24	15°16	24°10	21°10	4°26	6° 5	14°18	n.a.	F 28
S 29	5 29 30	23°47'01	1♊34	29° 4	9°54	1°25	14°52	21°19	15°17	24° 9	21°11	4°18	6° 2	14°25	n.a.	S 29
S 30	5 33 26	24°47'43	13°25	0♋53	10°58	1°58	14°53	21°14	15°18	24° 8	21°13	4°10	5°59	14°31	n.a.	S 30
M31	5 37 23	25♐48'24	25♊16	2♋42	12♒ 2	2♎32	14♈55	21♊ 9	15♓19	24♌ 8	21♐15	4♒ 3	5♒56	14♊38	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s27	23n26	4n49	16s16	0s24	25s42	2s 5	7n32	1n44	5n16	1s10	23n41	0s 3	6s40	0s45	15n14	1n38	29s24	5s53	19s 1	18s44	26n48		n.a.
S 2	19 42	25 48	4 25	16 50	0 30	25 36	2 3	7 18	1 44	5 14	1 10	23 41	0 3	6 40	0 45	15 14	1 38	29 24	5 53	19 5	18 45	26 48		n.a.
M 3	19 56	27 0	3 50	17 24	0 37	25 29	2 2	7 5	1 45	5 13	1 9	23 41	0 2	6 40	0 45	15 14	1 38	29 25	5 53	19 8	18 46	26 49		n.a.
T 4	20 10	26 58	3 5	17 57	0 43	25 21	2 0	6 51	1 45	5 11	1 9	23 41	0 2	6 40	0 45	15 14	1 38	29 25	5 53	19 10	18 47	26 49		n.a.
W 5	20 24	25 41	2 12	18 30	0 49	25 12	1 58	6 37	1 45	5 10	1 9	23 41	0 2	6 40	0 45	15 14	1 38	29 25	5 53	19 12	18 48	26 49		n.a.
T 6	20 37	23 14	1 12	19 2	0 55	25 3	1 56	6 23	1 45	5 9	1 8	23 40	0 2	6 40	0 45	15 14	1 38	29 25	5 53	19 12	18 48	26 50		n.a.
F 7	20 50	19 45	0 9	19 33	1 1	24 54	1 54	6 9	1 46	5 8	1 8	23 40	0 2	6 40	0 45	15 14	1 38	29 25	5 53	19 13	18 49	26 50		n.a.
S 8	21 3	15 22	0s56	20 3	1 6	24 43	1 52	5 55	1 46	5 6	1 8	23 40	0 2	6 40	0 45	15 14	1 38	29 25	5 53	19 13	18 50	26 51		n.a.
S 9	21 15	10 15	2 0	20 32	1 12	24 32	1 50	5 41	1 46	5 5	1 8	23 40	0 2	6 40	0 45	15 14	1 38	29 25	5 53	19 12	18 51	26 51		n.a.
M10	21 26	4 35	3 0	21 0	1 17	24 20	1 48	5 27	1 46	5 4	1 7	23 40	0 2	6 40	0 45	15 14	1 38	29 26	5 53	19 12	18 52	26 52		n.a.
T 11	21 38	1s28	3 52	21 28	1 22	24 7	1 45	5 14	1 46	5 4	1 7	23 40	0 2	6 40	0 45	15 14	1 38	29 26	5 53	19 13	18 52	26 52		n.a.
W12	21 48	7 39	4 32	21 54	1 26	23 54	1 43	5 0	1 47	5 3	1 7	23 40	0 1	6 40	0 45	15 14	1 38	29 26	5 54	19 14	18 53	26 52		n.a.
T 13	21 59	13 40	4 58	22 20	1 31	23 41	1 40	4 46	1 47	5 2	1 6	23 39	0 1	6 40	0 45	15 14	1 38	29 26	5 54	19 15	18 54	26 53		n.a.
F 14	22 9	19 7	5 5	22 44	1 35	23 26	1 37	4 32	1 47	5 1	1 6	23 39	0 1	6 39	0 45	15 14	1 39	29 26	5 54	19 18	18 55	26 53		n.a.
S 15	22 18	23 29	4 51	23 7	1 39	23 11	1 34	4 18	1 47	5 1	1 6	23 39	0 1	6 39	0 45	15 14	1 39	29 26	5 54	19 20	18 56	26 54		n.a.
S 16	22 27	26 17	4 16	23 28	1 43	22 55	1 31	4 4	1 48	5 0	1 5	23 39	0 1	6 39	0 44	15 14	1 39	29 27	5 54	19 22	18 57	26 54		n.a.
M17	22 36	27 6	3 23	23 49	1 46	22 39	1 28	3 50	1 48	5 0	1 5	23 39	0 1	6 39	0 44	15 14	1 39	29 27	5 54	19 24	18 57	26 54		n.a.
T 18	22 44	25 53	2 16	24 8	1 49	22 23	1 25	3 37	1 48	5 0	1 5	23 39	0 1	6 39	0 44	15 15	1 39	29 27	5 54	19 25	18 58	26 55		n.a.
W19	22 52	22 50	1 1	24 25	1 51	22 5	1 21	3 23	1 48	5 0	1 4	23 38	0 1	6 38	0 44	15 15	1 39	29 27	5 54	19 26	18 59	26 55		n.a.
T 20	22 59	18 25	0n16	24 42	1 54	21 47	1 18	3 9	1 48	4 59	1 4	23 38	0 1	6 38	0 44	15 15	1 39	29 27	5 54	19 26	19 0	26 55		n.a.
F 21	23 6	13 7	1 30	24 56	1 56	21 29	1 14	2 55	1 48	4 59	1 4	23 38	0 0	6 38	0 44	15 15	1 39	29 28	5 54	19 26	19 1	26 56		n.a.
S 22	23 13	7 21	2 37	25 9	1 57	21 10	1 10	2 42	1 49	4 59	1 3	23 38	0 0	6 37	0 44	15 15	1 39	29 28	5 54	19 25	19 1	26 56		n.a.
S 23	23 19	1 28	3 33	25 20	1 58	20 51	1 6	2 28	1 49	4 59	1 3	23 38	0 0	6 37	0 44	15 15	1 39	29 28	5 54	19 25	19 2	26 56		n.a.
M24	23 24	4n19	4 17	25 30	1 59	20 31	1 2	2 14	1 49	5 0	1 3	23 37	0 0	6 37	0 44	15 16	1 39	29 28	5 54	19 25	19 3	26 57		n.a.
T 25	23 29	9 48	4 48	25 38	1 59	20 11	0 58	2 0	1 49	5 0	1 3	23 37	0 0	6 36	0 44	15 16	1 39	29 28	5 54	19 26	19 4	26 57		n.a.
W26	23 34	14 49	5 5	25 43	1 59	19 50	0 54	1 47	1 49	5 0	1 2	23 37	0n 0	6 36	0 44	15 16	1 39	29 29	5 54	19 27	19 5	26 57		n.a.
T 27	23 38	19 11	5 8	25 47	1 59	19 29	0 50	1 33	1 49	5 1	1 2	23 37	0 0	6 36	0 44	15 16	1 39	29 29	5 54	19 29	19 5	26 58		n.a.
F 28	23 41	22 45	4 58	25 49	1 57	19 7	0 45	1 20	1 50	5 1	1 2	23 37	0 0	6 35	0 44	15 17	1 39	29 29	5 54	19 31	19 6	26 58		n.a.
S 29	23 44	25 20	4 35	25 49	1 56	18 45	0 40	1 6	1 50	5 2	1 1	23 36	0 0	6 35	0 44	15 17	1 39	29 29	5 54	19 33	19 7	26 58		n.a.
S 30	23 47	26 48	4 0	25 47	1 53	18 23	0 36	0 52	1 50	5 2	1 1	23 36	0 1	6 34	0 44	15 17	1 40	29 29	5 55	19 35	19 8	26 58		n.a.
M31	23s49	27n 3	3n15	25s42	1s50	18s 0	0s31	0n39	1n50	5n 3	1s 1	23n36	0n 1	6s34	0s44	15n17	1n40	29s30	5s55	19s36	19s 9	26n59		n.a.

Julian Day Number = 1108867.5, Delta T = 10h54m38s
Ecliptic obliquity = 23°53'30, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'26, Lahiri = -27°05'26 Julian Calendar 1 Dec. 1678 BCE == Greg. Calendar 17 Nov. 1678 BCE

The year -1677 astronomical counting style corresponds to year 1678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

JANUARY 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 41 20	26♐49'02	7♋ 8	4♉31	13♒ 6	3♎ 6	14♈56	21°R 4	15♓20	24°R 7	21♐17	3°R58	5♒53	14♊45	n.a.	T 1
W 2	5 45 16	27°49'39	19° 3	6°21	14° 9	3°39	14°57	20♊59	15°22	24♏ 6	21°19	3♒55	5°50	14°51	n.a.	W 2
T 3	5 49 13	28°50'14	1♏ 4	8°11	15°12	4°12	14°59	20°54	15°23	24° 6	21°21	3°D54	5°46	14°58	n.a.	T 3
F 4	5 53 9	29°50'48	13°13	10° 0	16°15	4°46	15° 1	20°50	15°24	24° 5	21°23	3°54	5°43	15° 5	n.a.	F 4
S 5	5 57 6	0♑51'20	25°32	11°49	17°17	5°19	15° 3	20°45	15°26	24° 4	21°24	3°56	5°40	15°11	n.a.	S 5
S 6	6 1 2	1°51'51	8♍ 6	13°38	18°19	5°52	15° 5	20°40	15°27	24° 3	21°26	3°58	5°37	15°18	n.a.	S 6
M 7	6 4 59	2°52'20	20°58	15°26	19°20	6°25	15° 8	20°35	15°28	24° 2	21°28	3°59	5°34	15°25	n.a.	M 7
T 8	6 8 56	3°52'47	4♎11	17°12	20°21	6°58	15°11	20°31	15°30	24° 1	21°30	4°R 0	5°30	15°31	n.a.	T 8
W 9	6 12 52	4°53'13	17°48	18°57	21°22	7°30	15°14	20°26	15°32	24° 1	21°32	3°59	5°27	15°38	n.a.	W 9
T 10	6 16 49	5°53'38	1♏50	20°40	22°22	8° 3	15°17	20°21	15°33	24° 0	21°33	3°57	5°24	15°45	n.a.	T 10
F 11	6 20 45	6°54'01	16°18	22°20	23°22	8°36	15°20	20°17	15°35	23°59	21°35	3°54	5°21	15°52	n.a.	F 11
S 12	6 24 42	7°54'22	1♐ 7	23°57	24°22	9° 8	15°23	20°12	15°37	23°58	21°37	3°50	5°18	15°58	n.a.	S 12
S 13	6 28 38	8°54'42	16°11	25°30	25°20	9°40	15°27	20° 8	15°38	23°57	21°39	3°47	5°15	16° 5	n.a.	S 13
M14	6 32 35	9°54'59	1♑21	27° 0	26°19	10°12	15°31	20° 3	15°40	23°56	21°41	3°44	5°11	16°12	n.a.	M14
T 15	6 36 31	10°55'15	16°27	28°24	27°17	10°44	15°35	19°59	15°42	23°54	21°42	3°42	5° 8	16°18	n.a.	T 15
W16	6 40 28	11°55'29	1♒20	29°44	28°14	11°16	15°39	19°55	15°44	23°53	21°44	3°D41	5° 5	16°25	n.a.	W16
T 17	6 44 25	12°55'41	15°53	0♒57	29°11	11°48	15°43	19°50	15°46	23°52	21°46	3°41	5° 2	16°32	n.a.	T 17
F 18	6 48 21	13°55'50	0♓ 1	2° 3	0♓ 7	12°20	15°48	19°46	15°48	23°51	21°48	3°42	4°59	16°38	n.a.	F 18
S 19	6 52 18	14°55'58	13°42	3° 2	1° 3	12°51	15°53	19°42	15°50	23°50	21°49	3°44	4°56	16°45	n.a.	S 19
S 20	6 56 14	15°56'02	26°56	3°54	1°58	13°23	15°57	19°38	15°52	23°49	21°51	3°45	4°52	16°52	n.a.	S 20
M21	7 0 11	16°56'05	9♈46	4°37	2°53	13°54	16° 3	19°34	15°54	23°48	21°53	3°46	4°49	16°58	n.a.	M21
T 22	7 4 7	17°56'05	22°16	5°12	3°46	14°25	16° 8	19°30	15°56	23°46	21°55	3°R46	4°46	17° 5	n.a.	T 22
W23	7 8 4	18°56'03	4♉29	5°38	4°40	14°56	16°13	19°26	15°58	23°45	21°56	3°45	4°43	17°12	n.a.	W23
T 24	7 12 0	19°55'58	16°31	5°54	5°32	15°27	16°19	19°22	16° 0	23°44	21°58	3°44	4°40	17°19	n.a.	T 24
F 25	7 15 57	20°55'52	28°25	6°R 2	6°24	15°57	16°24	19°18	16° 3	23°42	22° 0	3°42	4°36	17°25	n.a.	F 25
S 26	7 19 53	21°55'42	10♊15	6° 0	7°15	16°28	16°30	19°14	16° 5	23°41	22° 1	3°40	4°33	17°32	n.a.	S 26
S 27	7 23 50	22°55'31	22° 5	5°50	8° 5	16°58	16°36	19°11	16° 7	23°40	22° 3	3°39	4°30	17°39	n.a.	S 27
M28	7 27 47	23°55'17	3♋57	5°31	8°54	17°28	16°43	19° 7	16°10	23°38	22° 5	3°37	4°27	17°45	n.a.	M28
T 29	7 31 43	24°55'01	15°54	5° 4	9°43	17°58	16°49	19° 4	16°12	23°37	22° 6	3°36	4°24	17°52	n.a.	T 29
W30	7 35 40	25°54'43	27°58	4°30	10°30	18°28	16°56	19° 0	16°15	23°36	22° 8	3°D36	4°21	17°59	n.a.	W30
T 31	7 39 36	26♑54'23	10♏11	3♒49	11♓17	18♎58	17♈ 2	18♊57	16♓17	23♏34	22♐ 9	3♒36	4♒17	18♊ 5	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23s51	26n 2	2n21	25s36	1s47	17s37	0s26	0n26	1n50	5n 4	1s 0	23n36	0n 1	6s33	0s44	15n18	1n40	29s30	5s55	19s38	19s 9	26n59			n.a.
W 2	23 52	23 50	1 20	25 27	1 43	17 13	0 21	0 12	1 50	5 5	1 0	23 36	0 1	6 33	0 44	15 18	1 40	29 30	5 55	19 38	19 10	26 59			n.a.
T 3	23 53	20 33	0 15	25 16	1 38	16 50	0 16	0s 1	1 50	5 6	1 0	23 35	0 1	6 32	0 44	15 18	1 40	29 30	5 55	19 39	19 11	26 59			n.a.
F 4	23 53	16 22	0s51	25 2	1 32	16 26	0 10	0 15	1 50	5 7	0 59	23 35	0 1	6 32	0 44	15 19	1 40	29 30	5 55	19 38	19 12	27 0			n.a.
S 5	23 53	11 26	1 56	24 47	1 26	16 1	0 5	0 28	1 50	5 8	0 59	23 35	0 1	6 31	0 44	15 19	1 40	29 31	5 55	19 38	19 13	27 0			n.a.
S 6	23 53	5 58	2 56	24 29	1 19	15 37	0n 1	0 41	1 51	5 9	0 59	23 35	0 1	6 30	0 44	15 19	1 40	29 31	5 55	19 38	19 13	27 0			n.a.
M 7	23 52	0 9	3 50	24 10	1 11	15 12	0 6	0 54	1 51	5 10	0 59	23 34	0 1	6 30	0 44	15 20	1 40	29 31	5 55	19 37	19 14	27 0			n.a.
T 8	23 50	5s50	4 32	23 48	1 3	14 47	0 12	1 7	1 51	5 12	0 58	23 34	0 1	6 29	0 44	15 20	1 40	29 31	5 55	19 37	19 15	27 1			n.a.
W 9	23 48	11 44	5 1	23 24	0 53	14 22	0 18	1 21	1 51	5 13	0 58	23 34	0 2	6 29	0 43	15 20	1 40	29 32	5 55	19 37	19 16	27 1			n.a.
T 10	23 45	17 13	5 13	22 59	0 43	13 56	0 24	1 34	1 51	5 15	0 58	23 34	0 2	6 28	0 43	15 21	1 40	29 32	5 56	19 38	19 17	27 1			n.a.
F 11	23 42	21 54	5 6	22 32	0 32	13 31	0 30	1 47	1 51	5 16	0 57	23 33	0 2	6 27	0 43	15 21	1 40	29 32	5 56	19 39	19 17	27 1			n.a.
S 12	23 39	25 19	4 39	22 4	0 21	13 5	0 37	2 0	1 51	5 18	0 57	23 33	0 2	6 27	0 43	15 21	1 40	29 32	5 56	19 39	19 18	27 1			n.a.
S 13	23 35	27 0	3 52	21 34	0 8	12 39	0 43	2 12	1 51	5 19	0 57	23 33	0 2	6 26	0 43	15 22	1 40	29 32	5 56	19 40	19 19	27 1			n.a.
M14	23 31	26 42	2 49	21 4	0n 5	12 13	0 49	2 25	1 51	5 21	0 56	23 33	0 2	6 25	0 43	15 22	1 40	29 33	5 56	19 41	19 20	27 2			n.a.
T 15	23 26	24 24	1 34	20 34	0 19	11 46	0 56	2 38	1 51	5 23	0 56	23 33	0 2	6 24	0 43	15 23	1 40	29 33	5 56	19 42	19 21	27 2			n.a.
W16	23 21	20 27	0 13	20 3	0 33	11 20	1 3	2 51	1 51	5 25	0 56	23 32	0 2	6 23	0 43	15 23	1 40	29 33	5 56	19 42	19 21	27 2			n.a.
T 17	23 15	15 19	1n 7	19 33	0 48	10 54	1 9	3 3	1 51	5 27	0 56	23 32	0 2	6 23	0 43	15 23	1 41	29 33	5 56	19 42	19 22	27 2			n.a.
F 18	23 9	9 30	2 20	19 3	1 3	10 27	1 16	3 16	1 51	5 29	0 55	23 32	0 3	6 22	0 43	15 24	1 41	29 34	5 57	19 41	19 23	27 2			n.a.
S 19	23 2	3 24	3 23	18 35	1 18	10 1	1 23	3 28	1 51	5 31	0 55	23 32	0 3	6 21	0 43	15 24	1 41	29 34	5 57	19 41	19 24	27 2			n.a.
S 20	22 55	2n37	4 13	18 7	1 34	9 34	1 30	3 41	1 51	5 33	0 55	23 31	0 3	6 20	0 43	15 25	1 41	29 34	5 57	19 41	19 24	27 2			n.a.
M21	22 48	8 21	4 49	17 42	1 50	9 8	1 37	3 53	1 51	5 35	0 54	23 31	0 3	6 19	0 43	15 25	1 41	29 34	5 57	19 41	19 25	27 2			n.a.
T 22	22 40	13 36	5 10	17 19	2 5	8 41	1 45	4 6	1 51	5 38	0 54	23 31	0 3	6 18	0 43	15 26	1 41	29 35	5 57	19 41	19 26	27 2			n.a.
W23	22 31	18 12	5 16	16 57	2 20	8 15	1 52	4 18	1 51	5 40	0 54	23 31	0 3	6 18	0 43	15 26	1 41	29 35	5 57	19 41	19 27	27 3			n.a.
T 24	22 23	22 0	5 8	16 39	2 35	7 48	2 0	4 30	1 50	5 43	0 54	23 31	0 3	6 17	0 43	15 27	1 41	29 35	5 57	19 41	19 28	27 3			n.a.
F 25	22 14	24 51	4 47	16 24	2 49	7 22	2 7	4 42	1 50	5 45	0 53	23 30	0 3	6 16	0 43	15 27	1 41	29 35	5 58	19 41	19 28	27 3			n.a.
S 26	22 4	26 36	4 14	16 11	3 2	6 56	2 15	4 54	1 50	5 48	0 53	23 30	0 3	6 15	0 43	15 28	1 41	29 36	5 58	19 42	19 29	27 3			n.a.
S 27	21 54	27 9	3 30	16 2	3 14	6 30	2 23	5 6	1 50	5 50	0 53	23 30	0 4	6 14	0 43	15 28	1 41	29 36	5 58	19 42	19 30	27 3			n.a.
M28	21 44	26 27	2 37	15 56	3 25	6 4	2 30	5 18	1 50	5 53	0 53	23 30	0 4	6 13	0 43	15 29	1 41	29 36	5 58	19 43	19 31	27 3			n.a.
T 29	21 33	24 31	1 37	15 54	3 34	5 38	2 38	5 30	1 50	5 56	0 52	23 30	0 4	6 12	0 43	15 29	1 41	29 36	5 58	19 43	19 31	27 3			n.a.
W30	21 22	21 28	0 31	15 55	3 42	5 12	2 46	5 41	1 50	5 58	0 52	23 29	0 4	6 11	0 43	15 30	1 41	29 37	5 58	19 43	19 32	27 3			n.a.
T 31	21s10	17n26	0s36	15s58	3n48	4s47	2n54	5s53	1n49	6n 1	0s52	23n29	0n 4	6s10	0s43	15n30	1n41	29s37	5s58	19s43	19s33	27n 3			n.a.

Julian Day Number = 1108898.5, Delta T = 10h54m36s
Ecliptic obliquity = 23°53'29, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'22, Lahiri = -27°05'22 Julian Calendar 1 Jan. 1677 BCE == Greg. Calendar 18 Dec. 1678 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

FEBRUARY 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 43 33	27♉54'00	22♌34	3°R 3	12♓ 3	19♎27	17♈ 9	18°R54	16♓20	23°R33	22♐11	3♒36	4♒14	18♊12	n.a.	F 1
S 2	7 47 29	28°53'36	5♍ 9	2♒13	12°48	19°57	17°16	18♊51	16°22	23♌31	22°12	3°37	4°11	18°19	n.a.	S 2
S 3	7 51 26	29°53'09	17°57	1°20	13°31	20°26	17°23	18°48	16°25	23°30	22°14	3°37	4° 8	18°25	n.a.	S 3
M 4	7 55 22	0♒52'40	1♎ 0	0°24	14°14	20°55	17°30	18°45	16°27	23°28	22°16	3°37	4° 5	18°32	n.a.	M 4
T 5	7 59 19	1°52'10	14°19	29♉28	14°56	21°23	17°38	18°42	16°30	23°27	22°17	3°38	4° 2	18°39	n.a.	T 5
W 6	8 3 16	2°51'37	27°56	28°33	15°36	21°52	17°45	18°39	16°33	23°25	22°19	3°38	3°58	18°45	n.a.	W 6
T 7	8 7 12	3°51'03	11♏51	27°39	16°16	22°20	17°53	18°36	16°35	23°24	22°20	3°38	3°55	18°52	n.a.	T 7
F 8	8 11 9	4°50'27	26° 3	26°47	16°54	22°48	18° 1	18°33	16°38	23°22	22°21	3°38	3°52	18°59	n.a.	F 8
S 9	8 15 5	5°49'49	10♐31	25°59	17°31	23°16	18° 9	18°31	16°41	23°21	22°23	3°38	3°49	19° 6	n.a.	S 9
S 10	8 19 2	6°49'09	25°10	25°16	18° 6	23°44	18°17	18°28	16°44	23°19	22°24	3°38	3°46	19°12	n.a.	S 10
M11	8 22 58	7°48'27	9♉57	24°37	18°40	24°12	18°25	18°26	16°46	23°18	22°26	3°39	3°42	19°19	n.a.	M11
T 12	8 26 55	8°47'43	24°43	24° 3	19°13	24°39	18°34	18°24	16°49	23°16	22°27	3°39	3°39	19°26	n.a.	T 12
W13	8 30 51	9°46'57	9♒23	23°35	19°44	25° 6	18°42	18°22	16°52	23°15	22°29	3°R39	3°36	19°32	n.a.	W13
T 14	8 34 48	10°46'08	23°48	23°13	20°14	25°32	18°51	18°20	16°55	23°13	22°30	3°38	3°33	19°39	n.a.	T 14
F 15	8 38 44	11°45'17	7♓55	22°57	20°42	25°59	19° 0	18°18	16°58	23°11	22°31	3°38	3°30	19°46	n.a.	F 15
S 16	8 42 41	12°44'24	21°38	22°46	21° 9	26°25	19° 9	18°16	17° 1	23°10	22°33	3°37	3°27	19°52	n.a.	S 16
S 17	8 46 38	13°43'28	4♈58	22°D41	21°34	26°51	19°18	18°14	17° 4	23° 8	22°34	3°35	3°23	19°59	n.a.	S 17
M18	8 50 34	14°42'30	17°54	22°42	21°57	27°17	19°27	18°13	17° 7	23° 7	22°35	3°34	3°20	20° 6	n.a.	M18
T 19	8 54 31	15°41'30	0♉28	22°49	22°18	27°42	19°36	18°11	17°10	23° 5	22°36	3°33	3°17	20°12	n.a.	T 19
W20	8 58 27	16°40'27	12°45	23° 0	22°37	28° 7	19°45	18°10	17°13	23° 3	22°38	3°D33	3°14	20°19	n.a.	W20
T 21	9 2 24	17°39'22	24°48	23°17	22°55	28°32	19°55	18° 8	17°16	23° 2	22°39	3°33	3°11	20°26	n.a.	T 21
F 22	9 6 20	18°38'14	6♊42	23°38	23°10	28°57	20° 4	18° 7	17°19	23° 0	22°40	3°34	3° 7	20°32	n.a.	F 22
S 23	9 10 17	19°37'04	18°32	24° 5	23°23	29°21	20°14	18° 6	17°22	22°58	22°41	3°35	3° 4	20°39	n.a.	S 23
S 24	9 14 13	20°35'52	0♋23	24°35	23°34	29°45	20°24	18° 5	17°26	22°57	22°42	3°36	3° 1	20°46	n.a.	S 24
M25	9 18 10	21°34'37	12°17	25°10	23°43	0♏ 8	20°34	18° 4	17°29	22°55	22°43	3°38	2°58	20°52	n.a.	M25
T 26	9 22 6	22°33'20	24°20	25°49	23°50	0°32	20°44	18° 3	17°32	22°54	22°44	3°39	2°55	20°59	n.a.	T 26
W27	9 26 3	23°32'00	6♌34	26°31	23°54	0°55	20°54	18° 3	17°35	22°52	22°46	3°R39	2°52	21° 6	n.a.	W27
T 28	9 30 0	24°30'38	19° 1	27°18	23°R56	1°17	21° 4	18° 2	17°38	22°50	22°47	3°38	2°48	21°13	n.a.	T 28
F 29	9 33 56	25♒29'15	1♍43	28♉ 7	23♓55	1♏40	21♈14	18♊ 1	17♓42	22♌49	22♐48	3♒36	2♒45	21♊19	n.a.	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20s58	12n37	1s43	16s 5	3n52	4s22	3n 3	6s 4	1n49	6n 4	0s51	23n29	0n 4	6s 9	0s43	15n31	1n41	29s37	5s59	19s43	19s34	27n 3		n.a.
S 2	20 46	7 14	2 46	16 14	3 54	3 57	3 11	6 16	1 49	6 7	0 51	23 29	0 4	6 8	0 43	15 31	1 41	29 38	5 59	19 43	19 34	27 3		n.a.
S 3	20 33	1 27	3 42	16 26	3 54	3 32	3 19	6 27	1 49	6 10	0 51	23 29	0 4	6 7	0 43	15 32	1 41	29 38	5 59	19 43	19 35	27 3		n.a.
M 4	20 20	4s29	4 28	16 40	3 52	3 8	3 28	6 38	1 49	6 13	0 51	23 29	0 4	6 6	0 43	15 32	1 41	29 38	5 59	19 43	19 36	27 3		n.a.
T 5	20 7	10 20	5 0	16 55	3 49	2 44	3 36	6 50	1 48	6 16	0 50	23 28	0 4	6 5	0 43	15 33	1 41	29 38	5 59	19 42	19 37	27 3		n.a.
W 6	19 53	15 50	5 16	17 12	3 43	2 20	3 44	7 1	1 48	6 20	0 50	23 28	0 5	6 4	0 43	15 33	1 41	29 39	5 59	19 42	19 38	27 3		n.a.
T 7	19 39	20 38	5 14	17 30	3 36	1 57	3 53	7 12	1 48	6 23	0 50	23 28	0 5	6 2	0 43	15 34	1 41	29 39	6 0	19 42	19 38	27 3		n.a.
F 8	19 25	24 23	4 54	17 49	3 27	1 34	4 2	7 23	1 47	6 26	0 50	23 28	0 5	6 1	0 42	15 34	1 41	29 39	6 0	19 42	19 39	27 3		n.a.
S 9	19 10	26 38	4 14	18 8	3 17	1 12	4 10	7 33	1 47	6 29	0 49	23 28	0 5	6 0	0 42	15 35	1 41	29 39	6 0	19 42	19 40	27 3		n.a.
S 10	18 55	27 6	3 18	18 27	3 5	0 50	4 19	7 44	1 47	6 33	0 49	23 28	0 5	5 59	0 42	15 35	1 41	29 40	6 0	19 42	19 41	27 3		n.a.
M11	18 40	25 38	2 8	18 46	2 53	0 28	4 28	7 55	1 46	6 36	0 49	23 28	0 5	5 58	0 42	15 36	1 41	29 40	6 0	19 42	19 41	27 3		n.a.
T 12	18 24	22 24	0 49	19 5	2 40	0 7	4 36	8 5	1 46	6 40	0 49	23 28	0 5	5 57	0 42	15 37	1 41	29 40	6 1	19 42	19 42	27 3		n.a.
W13	18 8	17 44	0n32	19 23	2 26	0n13	4 45	8 15	1 46	6 43	0 48	23 27	0 5	5 56	0 42	15 37	1 41	29 41	6 1	19 42	19 43	27 3		n.a.
T 14	17 52	12 7	1 50	19 41	2 12	0 33	4 54	8 26	1 45	6 47	0 48	23 27	0 5	5 54	0 42	15 38	1 41	29 41	6 1	19 42	19 44	27 2		n.a.
F 15	17 35	6 0	2 59	19 58	1 58	0 52	5 2	8 36	1 45	6 50	0 48	23 27	0 5	5 53	0 42	15 38	1 42	29 41	6 1	19 42	19 44	27 2		n.a.
S 16	17 18	0n13	3 56	20 14	1 43	1 11	5 11	8 46	1 44	6 54	0 48	23 27	0 6	5 52	0 42	15 39	1 42	29 41	6 1	19 43	19 45	27 2		n.a.
S 17	17 1	6 15	4 38	20 29	1 28	1 29	5 20	8 56	1 44	6 58	0 47	23 27	0 6	5 51	0 42	15 39	1 42	29 42	6 2	19 43	19 46	27 2		n.a.
M18	16 44	11 50	5 5	20 43	1 14	1 46	5 28	9 6	1 43	7 1	0 47	23 27	0 6	5 50	0 42	15 40	1 42	29 42	6 2	19 43	19 47	27 2		n.a.
T 19	16 26	16 46	5 16	20 56	1 0	2 2	5 37	9 16	1 43	7 5	0 47	23 27	0 6	5 48	0 42	15 41	1 42	29 42	6 2	19 44	19 47	27 2		n.a.
W20	16 8	20 54	5 13	21 8	0 46	2 17	5 45	9 25	1 42	7 9	0 47	23 27	0 6	5 47	0 42	15 41	1 42	29 42	6 2	19 44	19 48	27 2		n.a.
T 21	15 50	24 5	4 55	21 19	0 32	2 32	5 54	9 35	1 41	7 13	0 47	23 27	0 6	5 46	0 42	15 42	1 42	29 43	6 2	19 44	19 49	27 2		n.a.
F 22	15 31	26 11	4 25	21 28	0 19	2 46	6 2	9 44	1 41	7 17	0 46	23 27	0 6	5 45	0 42	15 42	1 42	29 43	6 3	19 43	19 50	27 1		n.a.
S 23	15 13	27 7	3 44	21 36	0 6	2 58	6 10	9 53	1 40	7 20	0 46	23 27	0 6	5 43	0 42	15 43	1 42	29 43	6 3	19 43	19 50	27 1		n.a.
S 24	14 54	26 47	2 54	21 43	0s 7	3 10	6 18	10 3	1 40	7 24	0 46	23 27	0 6	5 42	0 42	15 43	1 42	29 44	6 3	19 43	19 51	27 1		n.a.
M25	14 35	25 13	1 55	21 49	0 19	3 21	6 26	10 12	1 39	7 28	0 46	23 27	0 6	5 41	0 42	15 44	1 42	29 44	6 3	19 42	19 52	27 1		n.a.
T 26	14 15	22 30	0 51	21 53	0 30	3 31	6 34	10 21	1 38	7 32	0 46	23 27	0 6	5 40	0 42	15 44	1 42	29 44	6 3	19 42	19 53	27 1		n.a.
W27	13 56	18 43	0s16	21 55	0 41	3 39	6 41	10 30	1 37	7 37	0 45	23 27	0 7	5 38	0 42	15 45	1 42	29 44	6 4	19 42	19 53	27 1		n.a.
T 28	13 36	14 5	1 24	21 56	0 52	3 46	6 48	10 38	1 37	7 41	0 45	23 27	0 7	5 37	0 42	15 46	1 42	29 45	6 4	19 42	19 54	27 0		n.a.
F 29	13s16	8n46	2s29	21s56	1s 2	3n52	6n55	10s47	1n36	7n45	0s45	23n27	0n 7	5s36	0s42	15n46	1n42	29s45	6s 4	19s43	19s55	27n 0		n.a.

Julian Day Number = 1108929.5, Delta T = 10h54m34s
Ecliptic obliquity = 23°53'29, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'18, Lahiri = -27°05'17 Julian Calendar 1 Feb. 1677 BCE == Greg. Calendar 18 Jan. 1677 BCE

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

MARCH 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 37 53	26♒27'49	14♍39	29♉ 0	23°R52	2♏ 2	21♈25	18°R 1	17♓45	22°R47	22♐49	3°R33	2♒42	21♊26	n.a.	S 1
S 2	9 41 49	27°26'21	27°49	29°56	23♓47	2°23	21°35	18♊ 1	17°48	22♌45	22°50	3♒30	2°39	21°33	n.a.	S 2
M 3	9 45 46	28°24'51	11♎13	0♒55	23°39	2°45	21°46	18° 1	17°51	22°44	22°51	3°26	2°36	21°39	n.a.	M 3
T 4	9 49 42	29°23'19	24°50	1°56	23°29	3° 5	21°57	18°D 1	17°55	22°42	22°51	3°23	2°33	21°46	n.a.	T 4
W 5	9 53 39	0♓21'45	8♏38	3° 1	23°16	3°26	22° 7	18° 1	17°58	22°40	22°52	3°20	2°29	21°53	n.a.	W 5
T 6	9 57 35	1°20'10	22°36	4° 7	23° 1	3°46	22°18	18° 1	18° 1	22°39	22°53	3°19	2°26	21°59	n.a.	T 6
F 7	10 1 32	2°18'33	6♐43	5°17	22°43	4° 6	22°29	18° 1	18° 5	22°37	22°54	3°D19	2°23	22° 6	n.a.	F 7
S 8	10 5 28	3°16'55	20°56	6°29	22°23	4°25	22°40	18° 1	18° 8	22°36	22°55	3°19	2°20	22°13	n.a.	S 8
S 9	10 9 25	4°15'15	5♉14	7°43	22° 1	4°44	22°51	18° 2	18°11	22°34	22°56	3°21	2°17	22°19	n.a.	S 9
M10	10 13 22	5°13'33	19°35	8°59	21°37	5° 2	23° 3	18° 3	18°15	22°32	22°57	3°22	2°13	22°26	n.a.	M10
T 11	10 17 18	6°11'49	3♒54	10°18	21°10	5°20	23°14	18° 3	18°18	22°31	22°57	3°R23	2°10	22°33	n.a.	T 11
W12	10 21 15	7°10'03	18° 8	11°38	20°42	5°38	23°25	18° 4	18°22	22°29	22°58	3°22	2° 7	22°39	n.a.	W12
T 13	10 25 11	8° 8'16	2♓13	13° 1	20°11	5°55	23°37	18° 5	18°25	22°28	22°59	3°19	2° 4	22°46	n.a.	T 13
F 14	10 29 8	9° 6'27	16° 5	14°25	19°39	6°11	23°48	18° 6	18°28	22°26	22°59	3°15	2° 1	22°53	n.a.	F 14
S 15	10 33 4	10° 4'35	29°39	15°52	19° 6	6°27	24° 0	18° 7	18°32	22°24	23° 0	3°10	1°58	22°59	n.a.	S 15
S 16	10 37 1	11° 2'42	12♈53	17°21	18°31	6°43	24°12	18° 8	18°35	22°23	23° 1	3° 3	1°54	23° 6	n.a.	S 16
M17	10 40 57	12° 0'47	25°48	18°51	17°55	6°58	24°23	18°10	18°39	22°21	23° 1	2°57	1°51	23°13	n.a.	M17
T 18	10 44 54	12°58'50	8♉23	20°24	17°18	7°12	24°35	18°11	18°42	22°20	23° 2	2°52	1°48	23°19	n.a.	T 18
W19	10 48 51	13°56'51	20°41	21°58	16°40	7°26	24°47	18°13	18°46	22°18	23° 2	2°47	1°45	23°26	n.a.	W19
T 20	10 52 47	14°54'50	2♊45	23°34	16° 2	7°39	24°59	18°14	18°49	22°17	23° 3	2°45	1°42	23°33	n.a.	T 20
F 21	10 56 44	15°52'46	14°40	25°12	15°24	7°52	25°11	18°16	18°52	22°15	23° 3	2°D44	1°39	23°39	n.a.	F 21
S 22	11 0 40	16°50'41	26°30	26°52	14°46	8° 4	25°23	18°18	18°56	22°14	23° 4	2°44	1°35	23°46	n.a.	S 22
S 23	11 4 37	17°48'34	8♋21	28°34	14° 8	8°16	25°35	18°20	18°59	22°12	23° 4	2°46	1°32	23°53	n.a.	S 23
M24	11 8 33	18°46'25	20°18	0♓18	13°31	8°27	25°47	18°22	19° 3	22°11	23° 5	2°47	1°29	23°59	n.a.	M24
T 25	11 12 30	19°44'14	2♌25	2° 3	12°55	8°38	26° 0	18°24	19° 6	22°10	23° 5	2°R48	1°26	24° 6	n.a.	T 25
W26	11 16 26	20°42'01	14°47	3°51	12°19	8°48	26°12	18°26	19°10	22° 8	23° 6	2°47	1°23	24°13	n.a.	W26
T 27	11 20 23	21°39'47	27°26	5°40	11°45	8°57	26°24	18°29	19°13	22° 7	23° 6	2°44	1°19	24°19	n.a.	T 27
F 28	11 24 19	22°37'30	10♍24	7°31	11°12	9° 6	26°37	18°31	19°17	22° 5	23° 6	2°39	1°16	24°26	n.a.	F 28
S 29	11 28 16	23°35'12	23°41	9°25	10°41	9°14	26°49	18°34	19°20	22° 4	23° 6	2°33	1°13	24°33	n.a.	S 29
S 30	11 32 13	24°32'53	7♎17	11°20	10°12	9°21	27° 2	18°36	19°23	22° 3	23° 7	2°24	1°10	24°39	n.a.	S 30
M31	11 36 9	25♓30'31	21♎ 7	13♓16	9♓45	9♏28	27♈14	18♊39	19♓27	22♌ 1	23♐ 7	2♒16	1♒ 7	24♊46	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s56	2n59	3s27	21s54	1s11	3n57	7n 1	10s55	1n35	7n49	0s45	23n27	0n 7	5s34	0s42	15n47	1n42	29s45	6s 4	19s43	19s56	27n 0		n.a.
S 2	12 35	3s 0	4 15	21 51	1 20	4 0	7 7	11 4	1 34	7 53	0 44	23 27	0 7	5 33	0 42	15 47	1 42	29 46	6 5	19 44	19 56	27 0		n.a.
M 3	12 15	8 57	4 51	21 46	1 29	4 3	7 13	11 12	1 33	7 57	0 44	23 27	0 7	5 32	0 42	15 48	1 42	29 46	6 5	19 45	19 57	27 0		n.a.
T 4	11 54	14 35	5 10	21 40	1 36	4 3	7 18	11 20	1 32	8 2	0 44	23 27	0 7	5 30	0 42	15 48	1 42	29 46	6 5	19 46	19 58	26 59		n.a.
W 5	11 33	19 34	5 12	21 32	1 44	4 3	7 23	11 28	1 31	8 6	0 44	23 27	0 7	5 29	0 42	15 49	1 42	29 46	6 5	19 47	19 59	26 59		n.a.
T 6	11 12	23 32	4 56	21 23	1 51	4 0	7 27	11 36	1 30	8 10	0 44	23 28	0 7	5 28	0 42	15 49	1 42	29 47	6 5	19 47	19 59	26 59		n.a.
F 7	10 51	26 8	4 22	21 11	1 57	3 57	7 31	11 44	1 29	8 14	0 43	23 28	0 7	5 26	0 42	15 50	1 42	29 47	6 6	19 47	20 0	26 59		n.a.
S 8	10 29	27 6	3 32	20 59	2 2	3 52	7 34	11 51	1 28	8 19	0 43	23 28	0 7	5 25	0 42	15 50	1 42	29 47	6 6	19 47	20 1	26 58		n.a.
S 9	10 8	26 15	2 28	20 44	2 8	3 45	7 37	11 59	1 27	8 23	0 43	23 28	0 8	5 24	0 42	15 51	1 42	29 47	6 6	19 46	20 1	26 58		n.a.
M10	9 46	23 40	1 15	20 28	2 12	3 37	7 39	12 6	1 26	8 28	0 43	23 28	0 8	5 22	0 42	15 52	1 42	29 48	6 6	19 46	20 2	26 58		n.a.
T 11	9 24	19 36	0n 3	20 10	2 16	3 27	7 40	12 13	1 25	8 32	0 43	23 28	0 8	5 21	0 42	15 52	1 42	29 48	6 7	19 46	20 3	26 58		n.a.
W12	9 3	14 25	1 20	19 51	2 20	3 16	7 40	12 20	1 23	8 36	0 43	23 28	0 8	5 20	0 42	15 53	1 42	29 48	6 7	19 46	20 4	26 57		n.a.
T 13	8 40	8 32	2 31	19 30	2 22	3 4	7 40	12 27	1 22	8 41	0 42	23 29	0 8	5 18	0 42	15 53	1 42	29 49	6 7	19 47	20 4	26 57		n.a.
F 14	8 18	2 21	3 32	19 7	2 25	2 50	7 38	12 34	1 21	8 45	0 42	23 29	0 8	5 17	0 42	15 54	1 42	29 49	6 7	19 48	20 5	26 57		n.a.
S 15	7 56	3n48	4 19	18 42	2 27	2 35	7 36	12 41	1 19	8 50	0 42	23 29	0 8	5 16	0 42	15 54	1 42	29 49	6 8	19 49	20 6	26 56		n.a.
S 16	7 34	9 38	4 51	18 16	2 28	2 19	7 33	12 47	1 18	8 54	0 42	23 29	0 8	5 14	0 42	15 55	1 42	29 49	6 8	19 51	20 7	26 56		n.a.
M17	7 11	14 55	5 8	17 48	2 28	2 1	7 30	12 54	1 16	8 59	0 42	23 29	0 8	5 13	0 42	15 55	1 42	29 50	6 8	19 52	20 7	26 56		n.a.
T 18	6 48	19 25	5 9	17 18	2 29	1 42	7 25	13 0	1 15	9 4	0 41	23 30	0 8	5 11	0 42	15 56	1 42	29 50	6 8	19 53	20 8	26 55		n.a.
W19	6 26	23 0	4 55	16 47	2 28	1 23	7 20	13 6	1 13	9 8	0 41	23 30	0 8	5 10	0 42	15 56	1 42	29 50	6 8	19 54	20 9	26 55		n.a.
T 20	6 3	25 30	4 29	16 13	2 27	1 2	7 13	13 12	1 12	9 13	0 41	23 30	0 8	5 9	0 42	15 57	1 42	29 50	6 9	19 55	20 9	26 55		n.a.
F 21	5 40	26 49	3 51	15 38	2 26	0 41	7 6	13 18	1 10	9 17	0 41	23 30	0 9	5 7	0 42	15 57	1 42	29 51	6 9	19 55	20 10	26 54		n.a.
S 22	5 17	26 54	3 4	15 2	2 23	0 19	6 58	13 23	1 8	9 22	0 41	23 30	0 9	5 6	0 42	15 58	1 42	29 51	6 9	19 55	20 11	26 54		n.a.
S 23	4 54	25 46	2 8	14 23	2 21	0s 4	6 50	13 29	1 7	9 27	0 41	23 31	0 9	5 4	0 42	15 58	1 42	29 51	6 9	19 55	20 12	26 54		n.a.
M24	4 31	23 26	1 7	13 43	2 17	0 27	6 41	13 34	1 5	9 31	0 40	23 31	0 9	5 3	0 42	15 59	1 42	29 52	6 10	19 54	20 12	26 53		n.a.
T 25	4 8	20 2	0 2	13 1	2 14	0 50	6 31	13 39	1 3	9 36	0 40	23 31	0 9	5 2	0 42	15 59	1 42	29 52	6 10	19 54	20 13	26 53		n.a.
W26	3 45	15 41	1s 4	12 17	2 9	1 14	6 20	13 44	1 1	9 41	0 40	23 32	0 9	5 0	0 42	15 59	1 42	29 52	6 10	19 54	20 14	26 52		n.a.
T 27	3 22	10 35	2 9	11 32	2 4	1 37	6 9	13 49	0 59	9 45	0 40	23 32	0 9	4 59	0 42	16 0	1 42	29 52	6 10	19 55	20 14	26 52		n.a.
F 28	2 59	4 55	3 8	10 44	1 59	2 0	5 57	13 54	0 57	9 50	0 40	23 32	0 9	4 58	0 42	16 0	1 42	29 53	6 11	19 56	20 15	26 52		n.a.
S 29	2 36	1s 6	3 59	9 56	1 53	2 23	5 45	13 59	0 55	9 55	0 40	23 32	0 9	4 56	0 42	16 1	1 41	29 53	6 11	19 58	20 16	26 51		n.a.
S 30	2 12	7 10	4 37	9 5	1 46	2 46	5 33	14 3	0 53	10 0	0 39	23 33	0 9	4 55	0 42	16 1	1 41	29 53	6 11	20 0	20 17	26 51		n.a.
M31	1s49	13s 1	5s 0	8s13	1s39	3s 8	5n20	14s 7	0n50	10n 4	0s39	23n33	0n 9	4s53	0s42	16n 2	1n41	29s53	6s11	20s 2	20s17	26n50		n.a.

Julian Day Number = 1108958.5, Delta T = 10h54m32s
Ecliptic obliquity = 23°53'29, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'14, Lahiri = -27°05'14 Julian Calendar 1 March 1677 BCE == Greg. Calendar 16 Feb. 1677 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

APRIL 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 40 6	26♓28'09	5♏10	15♓15	9°R19	9♏34	27♈27	18♊42	19♓30	22°R 0	23♐ 7	2°R 8	1♒ 4	24♊53	n.a.	T 1
W 2	11 44 2	27°25'45	19°19	17°15	8♓56	9°39	27°40	18°45	19°34	21♌59	23° 7	2♒ 1	1° 0	25° 0	n.a.	W 2
T 3	11 47 59	28°23'21	3♐32	19°17	8°35	9°44	27°53	18°48	19°37	21°58	23° 7	1°56	0°57	25° 6	n.a.	T 3
F 4	11 51 55	29°20'55	17°44	21°21	8°17	9°48	28° 5	18°51	19°41	21°56	23° 8	1°54	0°54	25°13	n.a.	F 4
S 5	11 55 52	0♈18'28	1♑55	23°27	8° 1	9°51	28°18	18°54	19°44	21°55	23° 8	1°D53	0°51	25°20	n.a.	S 5
S 6	11 59 48	1°16'00	16° 1	25°33	7°47	9°53	28°31	18°57	19°47	21°54	23° 8	1°54	0°48	25°26	n.a.	S 6
M 7	12 3 45	2°13'31	0♒ 3	27°41	7°36	9°55	28°44	19° 1	19°51	21°53	23° 8	1°R54	0°45	25°33	n.a.	M 7
T 8	12 7 42	3°11'01	13°58	29°50	7°27	9°56	28°57	19° 4	19°54	21°52	23°R 8	1°54	0°41	25°40	n.a.	T 8
W 9	12 11 38	4° 8'30	27°47	2♈ 0	7°21	9°R57	29°10	19° 8	19°58	21°51	23° 8	1°51	0°38	25°46	n.a.	W 9
T 10	12 15 35	5° 5'57	11♓26	4°11	7°17	9°56	29°23	19°12	20° 1	21°49	23° 8	1°46	0°35	25°53	n.a.	T 10
F 11	12 19 31	6° 3'24	24°55	6°22	7°D15	9°55	29°36	19°15	20° 4	21°48	23° 8	1°38	0°32	26° 0	n.a.	F 11
S 12	12 23 28	7° 0'49	8♈10	8°33	7°16	9°53	29°49	19°19	20° 8	21°47	23° 8	1°29	0°29	26° 6	n.a.	S 12
S 13	12 27 24	7°58'14	21°11	10°45	7°19	9°50	0♉ 2	19°23	20°11	21°46	23° 7	1°17	0°25	26°13	n.a.	S 13
M14	12 31 21	8°55'37	3♉56	12°56	7°24	9°47	0°16	19°27	20°14	21°45	23° 7	1° 6	0°22	26°20	n.a.	M14
T 15	12 35 17	9°52'59	16°25	15° 6	7°32	9°42	0°29	19°31	20°18	21°44	23° 7	0°55	0°19	26°26	n.a.	T 15
W16	12 39 14	10°50'20	28°39	17°15	7°41	9°37	0°42	19°35	20°21	21°43	23° 7	0°47	0°16	26°33	n.a.	W16
T 17	12 43 11	11°47'39	10♊41	19°24	7°53	9°32	0°55	19°40	20°24	21°42	23° 7	0°40	0°13	26°40	n.a.	T 17
F 18	12 47 7	12°44'58	22°34	21°30	8° 7	9°25	1° 9	19°44	20°27	21°42	23° 7	0°36	0°10	26°46	n.a.	F 18
S 19	12 51 4	13°42'15	4♋24	23°36	8°22	9°18	1°22	19°48	20°31	21°41	23° 6	0°34	0° 6	26°53	n.a.	S 19
S 20	12 55 0	14°39'31	16°14	25°39	8°40	9°10	1°35	19°53	20°34	21°40	23° 6	0°D34	0° 3	27° 0	n.a.	S 20
M21	12 58 57	15°36'46	28°11	27°41	8°59	9° 1	1°49	19°58	20°37	21°39	23° 6	0°R34	0° 0	27° 6	n.a.	M21
T 22	13 2 53	16°33'59	10♌19	29°40	9°21	8°52	2° 2	20° 2	20°40	21°38	23° 5	0°34	29♑57	27°13	n.a.	T 22
W23	13 6 50	17°31'12	22°44	1♍37	9°44	8°42	2°15	20° 7	20°43	21°37	23° 5	0°32	29°54	27°20	n.a.	W23
T 24	13 10 46	18°28'23	5♎30	3°32	10° 8	8°31	2°29	20°12	20°47	21°37	23° 4	0°28	29°50	27°26	n.a.	T 24
F 25	13 14 43	19°25'33	18°39	5°25	10°34	8°20	2°42	20°17	20°50	21°36	23° 4	0°22	29°47	27°33	n.a.	F 25
S 26	13 18 40	20°22'43	2♏12	7°15	11° 2	8° 8	2°56	20°22	20°53	21°35	23° 4	0°13	29°44	27°40	n.a.	S 26
S 27	13 22 36	21°19'52	16° 9	9° 3	11°32	7°55	3° 9	20°27	20°56	21°35	23° 3	0° 2	29°41	27°46	n.a.	S 27
M28	13 26 33	22°17'00	0♏24	10°48	12° 2	7°42	3°23	20°32	20°59	21°34	23° 3	29♑51	29°38	27°53	n.a.	M28
T 29	13 30 29	23°14'07	14°53	12°31	12°34	7°28	3°36	20°37	21° 2	21°33	23° 2	29°40	29°35	28° 0	n.a.	T 29
W30	13 34 26	24♈11'14	29♏28	14♉11	13♓ 8	7♏14	3♉50	20♊42	21♓ 5	21♌33	23♐ 2	29♑31	29♑31	28♊ 6	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s26	18s16	5s 5	7s19	1s32	3s30	5n 7	14s11	0n48	10n 9	0s39	23n33	0n 9	4s52	0s42	16n 2	1n41	29s54	6s12	20s 4	20s18	26n50		n.a.
W 2	1 2	22 33	4 52	6 24	1 24	3 51	4 53	14 15	0 46	10 14	0 39	23 34	0 10	4 51	0 42	16 2	1 41	29 54	6 12	20 5	20 19	26 49		n.a.
T 3	0 39	25 31	4 21	5 28	1 15	4 11	4 40	14 19	0 43	10 19	0 39	23 34	0 10	4 49	0 42	16 3	1 41	29 54	6 12	20 6	20 19	26 49		n.a.
F 4	0 16	26 51	3 34	4 30	1 6	4 31	4 27	14 23	0 41	10 24	0 39	23 34	0 10	4 48	0 42	16 3	1 41	29 54	6 12	20 7	20 20	26 48		n.a.
S 5	0n 7	26 26	2 33	3 31	0 57	4 49	4 13	14 26	0 38	10 28	0 39	23 35	0 10	4 47	0 42	16 4	1 41	29 55	6 13	20 7	20 21	26 48		n.a.
S 6	0 31	24 18	1 24	2 31	0 47	5 7	3 59	14 30	0 36	10 33	0 38	23 35	0 10	4 45	0 42	16 4	1 41	29 55	6 13	20 7	20 22	26 48		n.a.
M 7	0 54	20 41	0 10	1 30	0 37	5 24	3 46	14 33	0 33	10 38	0 38	23 36	0 10	4 44	0 42	16 4	1 41	29 55	6 13	20 7	20 22	26 47		n.a.
T 8	1 17	15 56	1n 4	0 29	0 27	5 40	3 32	14 36	0 30	10 43	0 38	23 36	0 10	4 43	0 42	16 5	1 41	29 55	6 13	20 7	20 23	26 47		n.a.
W 9	1 41	10 23	2 13	0n33	0 17	5 54	3 19	14 38	0 27	10 48	0 38	23 36	0 10	4 41	0 42	16 5	1 41	29 56	6 14	20 7	20 24	26 46		n.a.
T 10	2 4	4 25	3 14	1 36	0 6	6 8	3 6	14 41	0 25	10 52	0 38	23 37	0 10	4 40	0 42	16 5	1 41	29 56	6 14	20 8	20 24	26 46		n.a.
F 11	2 27	1n39	4 3	2 38	0n 4	6 21	2 52	14 43	0 22	10 57	0 38	23 37	0 10	4 39	0 42	16 6	1 41	29 56	6 14	20 10	20 25	26 45		n.a.
S 12	2 50	7 33	4 38	3 41	0 15	6 33	2 39	14 45	0 19	11 2	0 38	23 37	0 10	4 37	0 42	16 6	1 41	29 56	6 14	20 12	20 26	26 45		n.a.
S 13	3 13	13 0	4 58	4 43	0 25	6 43	2 27	14 48	0 16	11 7	0 37	23 38	0 10	4 36	0 42	16 6	1 41	29 57	6 15	20 15	20 26	26 44		n.a.
M14	3 36	17 47	5 2	5 44	0 35	6 53	2 14	14 49	0 12	11 12	0 37	23 38	0 10	4 35	0 42	16 7	1 41	29 57	6 15	20 17	20 27	26 43		n.a.
T 15	3 59	21 42	4 52	6 45	0 46	7 1	2 2	14 51	0 9	11 17	0 37	23 39	0 11	4 33	0 42	16 7	1 41	29 57	6 15	20 20	20 28	26 43		n.a.
W16	4 22	24 35	4 28	7 45	0 55	7 9	1 50	14 52	0 6	11 21	0 37	23 39	0 11	4 32	0 42	16 7	1 41	29 57	6 15	20 22	20 29	26 42		n.a.
T 17	4 45	26 18	3 53	8 43	1 5	7 15	1 38	14 54	0 3	11 26	0 37	23 39	0 11	4 31	0 42	16 7	1 41	29 57	6 16	20 23	20 29	26 42		n.a.
F 18	5 8	26 48	3 7	9 41	1 14	7 21	1 27	14 55	0s 1	11 31	0 37	23 40	0 11	4 29	0 42	16 8	1 41	29 58	6 16	20 24	20 30	26 41		n.a.
S 19	5 30	26 3	2 14	10 36	1 22	7 25	1 15	14 56	0 4	11 36	0 37	23 40	0 11	4 28	0 42	16 8	1 41	29 58	6 16	20 24	20 31	26 41		n.a.
S 20	5 53	24 8	1 15	11 30	1 30	7 29	1 4	14 57	0 8	11 41	0 36	23 41	0 11	4 27	0 42	16 8	1 41	29 58	6 16	20 25	20 31	26 40		n.a.
M21	6 15	21 7	0 13	12 22	1 38	7 31	0 54	14 57	0 11	11 46	0 36	23 41	0 11	4 26	0 42	16 8	1 41	29 58	6 16	20 25	20 32	26 39		n.a.
T 22	6 38	17 10	0s52	13 11	1 45	7 33	0 43	14 58	0 15	11 50	0 36	23 42	0 11	4 24	0 42	16 9	1 41	29 59	6 17	20 25	20 33	26 39		n.a.
W23	7 0	12 23	1 55	13 59	1 51	7 33	0 33	14 58	0 19	11 55	0 36	23 42	0 11	4 23	0 42	16 9	1 41	29 59	6 17	20 25	20 33	26 38		n.a.
T 24	7 22	6 59	2 54	14 45	1 56	7 33	0 23	14 58	0 22	12 0	0 36	23 42	0 11	4 22	0 42	16 9	1 41	29 59	6 17	20 26	20 34	26 38		n.a.
F 25	7 44	1 7	3 45	15 28	2 1	7 32	0 14	14 58	0 26	12 5	0 36	23 43	0 11	4 20	0 42	16 9	1 41	29 59	6 17	20 27	20 35	26 37		n.a.
S 26	8 6	4s57	4 26	16 10	2 5	7 30	0 5	14 57	0 30	12 10	0 36	23 43	0 11	4 19	0 42	16 9	1 41	29 59	6 18	20 29	20 35	26 36		n.a.
S 27	8 28	10 56	4 52	16 49	2 9	7 26	0s 4	14 57	0 34	12 14	0 36	23 44	0 11	4 18	0 42	16 10	1 41	30 0	6 18	20 32	20 36	26 36		n.a.
M28	8 50	16 30	5 1	17 25	2 12	7 23	0 13	14 56	0 38	12 19	0 36	23 44	0 12	4 17	0 42	16 10	1 41	30 0	6 18	20 34	20 37	26 35		n.a.
T 29	9 12	21 13	4 50	18 0	2 14	7 18	0 21	14 55	0 42	12 24	0 35	23 45	0 12	4 16	0 42	16 10	1 40	30 0	6 18	20 36	20 37	26 35		n.a.
W30	9n33	24s39	4s21	18n32	2n15	7s12	0s30	14s54	0s46	12n29	0s35	23n45	0n12	4s14	0s42	16n10	1n40	30s 0	6s19	20s38	20s38	26n34		n.a.

Julian Day Number = 1108989.5, Delta T = 10h54m30s
Ecliptic obliquity = 23°53'29, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'10, Lahiri = -27°05'09 Julian Calendar 1 Apr. 1677 BCE == Greg. Calendar 18 March 1677 BCE

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

MAY 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 38 22	25♈ 8'21	14♐ 2	15♉48	13♓43	6°R59	4♉ 4	20♊47	21♓ 8	21°R32	23°R 1	29°R24	29♑28	28♊13	n.a.	T 1
F 2	13 42 19	26° 5'27	28°31	17°23	14°19	6♏44	4°17	20°53	21°11	21♎32	23♐ 0	29♑20	29°25	28°20	n.a.	F 2
S 3	13 46 16	27° 2'34	12♑49	18°55	14°56	6°29	4°31	20°58	21°14	21°31	23° 0	29°18	29°22	28°26	n.a.	S 3
S 4	13 50 12	27°59'40	26°55	20°25	15°34	6°12	4°44	21° 4	21°17	21°31	22°59	29°18	29°19	28°33	n.a.	S 4
M 5	13 54 9	28°56'45	10♒49	21°52	16°14	5°56	4°58	21° 9	21°20	21°31	22°58	29°18	29°16	28°40	n.a.	M 5
T 6	13 58 5	29°53'51	24°30	23°16	16°54	5°39	5°12	21°15	21°23	21°30	22°58	29°17	29°12	28°46	n.a.	T 6
W 7	14 2 2	0♉50'56	7♓59	24°38	17°36	5°22	5°25	21°21	21°25	21°30	22°57	29°13	29° 9	28°53	n.a.	W 7
T 8	14 5 58	1°48'02	21°17	25°56	18°19	5° 4	5°39	21°26	21°28	21°29	22°56	29° 7	29° 6	29° 0	n.a.	T 8
F 9	14 9 55	2°45'07	4♈23	27°12	19° 2	4°47	5°53	21°32	21°31	21°29	22°56	28°58	29° 3	29° 6	n.a.	F 9
S 10	14 13 51	3°42'12	17°18	28°25	19°47	4°29	6° 6	21°38	21°34	21°29	22°55	28°47	29° 0	29°13	n.a.	S 10
S 11	14 17 48	4°39'17	0♉ 0	29°36	20°32	4°11	6°20	21°44	21°37	21°29	22°54	28°34	28°56	29°20	n.a.	S 11
M12	14 21 45	5°36'22	12°30	0♊43	21°18	3°53	6°33	21°50	21°39	21°28	22°53	28°21	28°53	29°26	n.a.	M12
T 13	14 25 41	6°33'27	24°48	1°47	22° 5	3°35	6°47	21°56	21°42	21°28	22°52	28° 9	28°50	29°33	n.a.	T 13
W14	14 29 38	7°30'31	6♊55	2°48	22°52	3°17	7° 1	22° 2	21°45	21°28	22°51	27°58	28°47	29°40	n.a.	W14
T 15	14 33 34	8°27'35	18°52	3°46	23°41	2°59	7°14	22° 8	21°47	21°28	22°51	27°51	28°44	29°46	n.a.	T 15
F 16	14 37 31	9°24'39	0♋43	4°40	24°30	2°41	7°28	22°15	21°50	21°28	22°50	27°45	28°41	29°53	n.a.	F 16
S 17	14 41 27	10°21'43	12°30	5°32	25°20	2°24	7°42	22°21	21°52	21°28	22°49	27°43	28°37	29°59	n.a.	S 17
S 18	14 45 24	11°18'47	24°19	6°19	26°10	2° 6	7°55	22°27	21°55	21°D28	22°48	27°D42	28°34	0♋ 6	n.a.	S 18
M19	14 49 21	12°15'50	6♌14	7° 3	27° 1	1°49	8° 9	22°34	21°57	21°28	22°47	27°R42	28°31	0°13	n.a.	M19
T 20	14 53 17	13°12'53	18°22	7°43	27°53	1°32	8°23	22°40	22° 0	21°28	22°46	27°42	28°28	0°20	n.a.	T 20
W21	14 57 14	14° 9'56	0♍46	8°19	28°46	1°16	8°36	22°47	22° 2	21°28	22°45	27°41	28°25	0°26	n.a.	W21
T 22	15 1 10	15° 6'59	13°32	8°51	29°38	1° 0	8°50	22°53	22° 5	21°28	22°44	27°38	28°21	0°33	n.a.	T 22
F 23	15 5 7	16° 4'02	26°45	9°19	0♈32	0°44	9° 3	23° 0	22° 7	21°28	22°43	27°32	28°18	0°40	n.a.	F 23
S 24	15 9 3	17° 1'04	10♎25	9°43	1°26	0°29	9°17	23° 6	22° 9	21°29	22°42	27°25	28°15	0°46	n.a.	S 24
S 25	15 13 0	17°58'07	24°32	10° 2	2°20	0°14	9°30	23°13	22°12	21°29	22°41	27°15	28°12	0°53	n.a.	S 25
M26	15 16 56	18°55'10	9♏ 2	10°17	3°16	29♎59	9°44	23°20	22°14	21°29	22°40	27° 5	28° 9	1° 0	n.a.	M26
T 27	15 20 53	19°52'13	23°51	10°27	4°11	29°46	9°58	23°26	22°16	21°29	22°39	26°56	28° 6	1° 6	n.a.	T 27
W28	15 24 50	20°49'17	8♐48	10°33	5° 7	29°33	10°11	23°33	22°18	21°30	22°37	26°47	28° 2	1°13	n.a.	W28
T 29	15 28 46	21°46'21	23°45	10°R33	6° 4	29°20	10°25	23°40	22°20	21°30	22°36	26°42	27°59	1°20	n.a.	T 29
F 30	15 32 43	22°43'26	8♑33	10°29	7° 1	29° 9	10°38	23°47	22°22	21°30	22°35	26°38	27°56	1°26	n.a.	F 30
S 31	15 36 39	23♑40'31	23♑ 8	10♊20	7♈58	28♎57	10♉51	23♊54	22♓24	21♌31	22♐34	26°D37	27♑53	1♋33	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9n54	26s28	3s35	19n 2	2n16	7s 6	0s37	14s53	0s50	12n34	0s35	23n46	0n12	4s13	0s42	16n10	1n40	30s 0	6s19	20s40	20s39	26n33			n.a.
F 2	10 16	26 28	2 35	19 30	2 16	6 59	0 45	14 52	0 54	12 38	0 35	23 46	0 12	4 12	0 42	16 10	1 40	30 1	6 19	20 41	20 39	26 33			n.a.
S 3	10 37	24 41	1 26	19 56	2 15	6 51	0 52	14 50	0 58	12 43	0 35	23 47	0 12	4 11	0 42	16 10	1 40	30 1	6 19	20 41	20 40	26 32			n.a.
S 4	10 58	21 22	0 13	20 19	2 13	6 42	0 59	14 49	1 2	12 48	0 35	23 47	0 12	4 10	0 42	16 11	1 40	30 1	6 19	20 41	20 41	26 31			n.a.
M 5	11 18	16 53	1n 1	20 41	2 11	6 33	1 6	14 47	1 6	12 53	0 35	23 47	0 12	4 9	0 42	16 11	1 40	30 1	6 20	20 41	20 41	26 31			n.a.
T 6	11 39	11 35	2 9	21 0	2 8	6 23	1 13	14 45	1 10	12 57	0 35	23 48	0 12	4 7	0 42	16 11	1 40	30 1	6 20	20 41	20 42	26 30			n.a.
W 7	11 59	5 49	3 9	21 18	2 5	6 12	1 19	14 43	1 14	13 2	0 35	23 48	0 12	4 6	0 42	16 11	1 40	30 1	6 20	20 42	20 43	26 29			n.a.
T 8	12 19	0n 7	3 58	21 33	2 0	6 1	1 25	14 41	1 18	13 7	0 34	23 49	0 12	4 5	0 42	16 11	1 40	30 2	6 20	20 43	20 43	26 28			n.a.
F 9	12 39	5 57	4 33	21 46	1 55	5 49	1 31	14 39	1 22	13 11	0 34	23 49	0 12	4 4	0 42	16 11	1 40	30 2	6 21	20 45	20 44	26 28			n.a.
S 10	12 59	11 26	4 54	21 58	1 50	5 36	1 37	14 37	1 27	13 16	0 34	23 50	0 12	4 3	0 42	16 11	1 40	30 2	6 21	20 47	20 45	26 27			n.a.
S 11	13 19	16 21	5 0	22 8	1 43	5 23	1 42	14 34	1 31	13 21	0 34	23 50	0 12	4 2	0 42	16 11	1 40	30 2	6 21	20 50	20 45	26 26			n.a.
M12	13 38	20 29	4 51	22 15	1 37	5 9	1 47	14 32	1 35	13 26	0 34	23 51	0 13	4 1	0 42	16 11	1 40	30 2	6 21	20 53	20 46	26 26			n.a.
T 13	13 58	23 40	4 29	22 22	1 29	4 55	1 52	14 29	1 39	13 30	0 34	23 51	0 13	4 0	0 42	16 11	1 40	30 2	6 21	20 55	20 47	26 25			n.a.
W14	14 17	25 43	3 55	22 26	1 21	4 40	1 57	14 27	1 43	13 35	0 34	23 52	0 13	3 59	0 42	16 11	1 40	30 3	6 22	20 57	20 47	26 24			n.a.
T 15	14 35	26 34	3 10	22 28	1 12	4 24	2 1	14 24	1 47	13 39	0 34	23 52	0 13	3 58	0 42	16 11	1 40	30 3	6 22	20 59	20 48	26 23			n.a.
F 16	14 54	26 11	2 18	22 29	1 2	4 8	2 5	14 21	1 50	13 44	0 34	23 52	0 13	3 57	0 42	16 11	1 40	30 3	6 22	21 0	20 49	26 22			n.a.
S 17	15 12	24 37	1 20	22 29	0 52	3 52	2 10	14 19	1 54	13 49	0 34	23 53	0 13	3 56	0 42	16 11	1 40	30 3	6 22	21 1	20 49	26 22			n.a.
S 18	15 30	21 57	0 18	22 27	0 41	3 35	2 13	14 16	1 58	13 53	0 33	23 53	0 13	3 55	0 42	16 11	1 40	30 3	6 22	21 1	20 50	26 21			n.a.
M19	15 48	18 20	0s45	22 23	0 30	3 18	2 17	14 14	2 2	13 58	0 33	23 54	0 13	3 54	0 42	16 11	1 40	30 3	6 23	21 1	20 51	26 20			n.a.
T 20	16 6	13 55	1 48	22 18	0 18	3 0	2 20	14 11	2 5	14 2	0 33	23 54	0 13	3 53	0 42	16 11	1 40	30 3	6 23	21 1	20 51	26 19			n.a.
W21	16 23	8 49	2 46	22 12	0 5	2 42	2 24	14 9	2 9	14 7	0 33	23 55	0 13	3 52	0 42	16 11	1 39	30 4	6 23	21 1	20 52	26 19			n.a.
T 22	16 41	3 14	3 38	22 4	0s 8	2 23	2 27	14 6	2 13	14 11	0 33	23 55	0 13	3 51	0 42	16 11	1 39	30 4	6 23	21 2	20 53	26 18			n.a.
F 23	16 57	2s39	4 21	21 55	0 21	2 4	2 30	14 4	2 16	14 16	0 33	23 55	0 13	3 50	0 42	16 11	1 39	30 4	6 23	21 3	20 53	26 17			n.a.
S 24	17 14	8 37	4 50	21 45	0 35	1 45	2 32	14 1	2 19	14 20	0 33	23 56	0 13	3 49	0 42	16 10	1 39	30 4	6 23	21 4	20 54	26 16			n.a.
S 25	17 30	14 21	5 2	21 34	0 49	1 25	2 35	13 59	2 23	14 25	0 33	23 56	0 14	3 48	0 42	16 10	1 39	30 4	6 24	21 6	20 55	26 15			n.a.
M26	17 46	19 27	4 56	21 22	1 4	1 5	2 37	13 57	2 26	14 29	0 33	23 57	0 14	3 47	0 42	16 10	1 39	30 4	6 24	21 8	20 55	26 14			n.a.
T 27	18 2	23 27	4 30	21 8	1 19	0 44	2 39	13 55	2 29	14 34	0 33	23 57	0 14	3 46	0 43	16 10	1 39	30 4	6 24	21 10	20 56	26 14			n.a.
W28	18 18	25 54	3 46	20 54	1 34	0 23	2 41	13 53	2 32	14 38	0 33	23 58	0 14	3 46	0 43	16 10	1 39	30 4	6 24	21 12	20 57	26 13			n.a.
T 29	18 33	26 30	2 46	20 39	1 49	0 2	2 43	13 52	2 35	14 43	0 32	23 58	0 14	3 45	0 43	16 10	1 39	30 5	6 24	21 13	20 57	26 12			n.a.
F 30	18 48	25 11	1 35	20 23	2 4	0n19	2 45	13 50	2 38	14 47	0 32	23 58	0 14	3 44	0 43	16 10	1 39	30 5	6 25	21 13	20 58	26 11			n.a.
S 31	19n 3	22s10	0s19	20n 7	2s20	0n41	2s46	13s49	2s41	14n51	0s32	23n59	0n14	3s43	0s43	16n 9	1n39	30s 5	6s25	21s14	20s59	26n10			n.a.

Julian Day Number = 1109019.5, Delta T = 10h54m28s
Ecliptic obliquity = 23°53'29, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'06, Lahiri = -27°05'05 Julian Calendar 1 May 1677 BCE == Greg. Calendar 17 Apr. 1677 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

JUNE 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 40 36	24♉37'37	7♒24	10°R 7	8♈56	28°R47	11♉ 5	24♊ 1	22♓26	21♌31	22°R33	26♑37	27♑50	1♋40	n.a.	S 1
M 2	15 44 32	25°34'44	21°21	9♊49	9°54	28♎37	11°18	24° 8	22°28	21°32	22♐32	26°R38	27°47	1°46	n.a.	M 2
T 3	15 48 29	26°31'52	4♓58	9°27	10°53	28°28	11°32	24°15	22°30	21°32	22°30	26°37	27°43	1°53	n.a.	T 3
W 4	15 52 26	27°29'01	18°18	9° 0	11°52	28°20	11°45	24°22	22°32	21°33	22°29	26°36	27°40	2° 0	n.a.	W 4
T 5	15 56 22	28°26'10	1♈22	8°30	12°51	28°12	11°58	24°29	22°34	21°33	22°28	26°31	27°37	2° 6	n.a.	T 5
F 6	16 0 19	29°23'21	14°11	7°56	13°51	28° 6	12°12	24°36	22°36	21°34	22°27	26°25	27°34	2°13	n.a.	F 6
S 7	16 4 15	0♊20'32	26°48	7°20	14°51	28° 0	12°25	24°43	22°38	21°35	22°26	26°16	27°31	2°19	n.a.	S 7
S 8	16 8 12	1°17'44	9♉13	6°41	15°51	27°54	12°38	24°50	22°39	21°35	22°24	26° 7	27°27	2°26	n.a.	S 8
M 9	16 12 8	2°14'57	21°29	6° 0	16°52	27°50	12°51	24°58	22°41	21°36	22°23	25°57	27°24	2°33	n.a.	M 9
T 10	16 16 5	3°12'11	3♊34	5°19	17°53	27°47	13° 5	25° 5	22°43	21°37	22°22	25°47	27°21	2°39	n.a.	T 10
W11	16 20 1	4° 9'26	15°33	4°37	18°54	27°44	13°18	25°12	22°44	21°37	22°20	25°40	27°18	2°46	n.a.	W11
T 12	16 23 58	5° 6'41	27°24	3°55	19°56	27°42	13°31	25°19	22°46	21°38	22°19	25°34	27°15	2°53	n.a.	T 12
F 13	16 27 55	6° 3'58	9♋12	3°14	20°58	27°41	13°44	25°27	22°47	21°39	22°18	25°30	27°12	2°59	n.a.	F 13
S 14	16 31 51	7° 1'15	20°58	2°36	22° 0	27°D41	13°57	25°34	22°49	21°40	22°17	25°D29	27° 8	3° 6	n.a.	S 14
S 15	16 35 48	7°58'33	2♌47	2° 0	23° 2	27°42	14°10	25°41	22°50	21°41	22°15	25°29	27° 5	3°13	n.a.	S 15
M16	16 39 44	8°55'51	14°43	1°27	24° 5	27°43	14°23	25°49	22°52	21°42	22°14	25°30	27° 2	3°19	n.a.	M16
T 17	16 43 41	9°53'11	26°49	0°58	25° 8	27°46	14°36	25°56	22°53	21°43	22°13	25°31	26°59	3°26	n.a.	T 17
W18	16 47 37	10°50'31	9♍12	0°33	26°11	27°49	14°49	26° 4	22°54	21°44	22°11	25°R32	26°56	3°33	n.a.	W18
T 19	16 51 34	11°47'51	21°56	0°14	27°15	27°53	15° 2	26°11	22°55	21°45	22°10	25°31	26°53	3°39	n.a.	T 19
F 20	16 55 31	12°45'13	5♎ 5	0° 0	28°19	27°58	15°15	26°18	22°57	21°46	22° 9	25°29	26°49	3°46	n.a.	F 20
S 21	16 59 27	13°42'36	18°42	29♉52	29°23	28° 4	15°27	26°26	22°58	21°47	22° 7	25°25	26°46	3°53	n.a.	S 21
S 22	17 3 24	14°39'59	2♏48	29°D50	0♉27	28°10	15°40	26°33	22°59	21°48	22° 6	25°20	26°43	3°59	n.a.	S 22
M23	17 7 20	15°37'23	17°21	29°54	1°31	28°17	15°53	26°41	23° 0	21°49	22° 4	25°14	26°40	4° 6	n.a.	M23
T 24	17 11 17	16°34'49	2♐15	0♊ 5	2°36	28°25	16° 5	26°48	23° 1	21°50	22° 3	25° 9	26°37	4°13	n.a.	T 24
W25	17 15 13	17°32'16	17°23	0°22	3°41	28°34	16°18	26°56	23° 2	21°51	22° 2	25° 4	26°33	4°19	n.a.	W25
T 26	17 19 10	18°29'44	2♑34	0°47	4°46	28°44	16°30	27° 3	23° 3	21°52	22° 0	25° 1	26°30	4°26	n.a.	T 26
F 27	17 23 6	19°27'14	17°40	1°17	5°51	28°54	16°43	27°11	23° 4	21°54	21°59	24°59	26°27	4°33	n.a.	F 27
S 28	17 27 3	20°24'45	2♒32	1°55	6°57	29° 5	16°55	27°19	23° 4	21°55	21°58	24°D59	26°24	4°39	n.a.	S 28
S 29	17 31 0	21°22'17	17° 3	2°39	8° 2	29°17	17° 8	27°26	23° 5	21°56	21°56	25° 0	26°21	4°46	n.a.	S 29
M30	17 34 56	22♊19'51	1♓11	3♊30	9♉ 8	29♎30	17♉20	27♊34	23♓ 6	21♌58	21♐55	25♑ 2	26♑18	4♋53	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n17	17s51	0n57	19n50	2s35	1n 2	2s48	13s47	2s44	14n56	0s32	23n59	0n14	3s42	0s43	16n 9	1n39	30s 5	6s25	21s14	20s59	26n 9		n.a.
M 2	19 31	12 38	2 8	19 33	2 49	1 25	2 49	13 46	2 46	15 0	0 32	24 0	0 14	3 42	0 43	16 9	1 39	30 5	6 25	21 14	21 0	26 8		n.a.
T 3	19 45	6 55	3 10	19 16	3 4	1 47	2 50	13 45	2 49	15 4	0 32	24 0	0 14	3 41	0 43	16 9	1 39	30 5	6 25	21 14	21 1	26 7		n.a.
W 4	19 58	1 2	4 0	18 58	3 17	2 10	2 51	13 44	2 51	15 8	0 32	24 0	0 14	3 40	0 43	16 9	1 39	30 5	6 25	21 14	21 1	26 7		n.a.
T 5	20 11	4n46	4 37	18 41	3 30	2 32	2 52	13 44	2 54	15 13	0 32	24 1	0 14	3 39	0 43	16 8	1 39	30 5	6 25	21 15	21 2	26 6		n.a.
F 6	20 24	10 16	4 58	18 23	3 42	2 55	2 52	13 44	2 56	15 17	0 32	24 1	0 14	3 39	0 43	16 8	1 39	30 5	6 26	21 16	21 2	26 5		n.a.
S 7	20 36	15 15	5 5	18 7	3 53	3 18	2 53	13 43	2 58	15 21	0 32	24 2	0 15	3 38	0 43	16 8	1 39	30 5	6 26	21 18	21 3	26 4		n.a.
S 8	20 48	19 31	4 57	17 50	4 3	3 42	2 53	13 44	3 0	15 25	0 32	24 2	0 15	3 37	0 43	16 8	1 39	30 5	6 26	21 20	21 4	26 3		n.a.
M 9	21 0	22 54	4 36	17 35	4 12	4 5	2 53	13 44	3 3	15 29	0 32	24 2	0 15	3 37	0 43	16 7	1 39	30 5	6 26	21 21	21 4	26 2		n.a.
T 10	21 12	25 13	4 2	17 21	4 19	4 29	2 53	13 44	3 4	15 34	0 31	24 3	0 15	3 36	0 43	16 7	1 39	30 5	6 26	21 23	21 5	26 1		n.a.
W11	21 23	26 22	3 18	17 8	4 24	4 52	2 53	13 45	3 6	15 38	0 31	24 3	0 15	3 35	0 43	16 7	1 39	30 5	6 26	21 25	21 6	26 0		n.a.
T 12	21 33	26 17	2 25	16 56	4 28	5 16	2 53	13 46	3 8	15 42	0 31	24 3	0 15	3 35	0 43	16 6	1 38	30 6	6 26	21 26	21 6	25 59		n.a.
F 13	21 44	25 0	1 27	16 47	4 30	5 40	2 53	13 47	3 10	15 46	0 31	24 4	0 15	3 34	0 43	16 6	1 38	30 6	6 27	21 26	21 7	25 58		n.a.
S 14	21 53	22 37	0 24	16 39	4 31	6 4	2 52	13 49	3 11	15 50	0 31	24 4	0 15	3 34	0 43	16 6	1 38	30 6	6 27	21 27	21 8	25 57		n.a.
S 15	22 3	19 16	0s40	16 33	4 30	6 28	2 52	13 51	3 13	15 54	0 31	24 4	0 15	3 33	0 43	16 5	1 38	30 6	6 27	21 27	21 8	25 56		n.a.
M16	22 12	15 6	1 42	16 29	4 27	6 52	2 51	13 52	3 14	15 58	0 31	24 5	0 15	3 33	0 43	16 5	1 38	30 6	6 27	21 27	21 9	25 55		n.a.
T 17	22 21	10 17	2 42	16 27	4 23	7 16	2 50	13 55	3 16	16 2	0 31	24 5	0 15	3 32	0 43	16 5	1 38	30 6	6 27	21 26	21 9	25 54		n.a.
W18	22 30	4 58	3 35	16 28	4 17	7 40	2 49	13 57	3 17	16 6	0 31	24 5	0 15	3 32	0 43	16 4	1 38	30 6	6 27	21 26	21 10	25 53		n.a.
T 19	22 38	0s42	4 19	16 31	4 10	8 4	2 48	14 0	3 18	16 10	0 31	24 6	0 16	3 31	0 43	16 4	1 38	30 6	6 27	21 26	21 11	25 52		n.a.
F 20	22 45	6 29	4 51	16 36	4 1	8 28	2 47	14 3	3 20	16 13	0 31	24 6	0 16	3 31	0 43	16 4	1 38	30 6	6 27	21 27	21 11	25 51		n.a.
S 21	22 53	12 11	5 8	16 44	3 52	8 53	2 46	14 6	3 21	16 17	0 31	24 6	0 16	3 30	0 43	16 3	1 38	30 6	6 27	21 27	21 12	25 50		n.a.
S 22	22 59	17 28	5 8	16 54	3 41	9 17	2 45	14 9	3 22	16 21	0 31	24 6	0 16	3 30	0 43	16 3	1 38	30 6	6 28	21 28	21 13	25 49		n.a.
M23	23 6	21 55	4 48	17 7	3 29	9 41	2 43	14 13	3 23	16 25	0 31	24 7	0 16	3 29	0 43	16 2	1 38	30 6	6 28	21 29	21 13	25 48		n.a.
T 24	23 12	25 3	4 8	17 21	3 16	10 5	2 42	14 16	3 24	16 29	0 31	24 7	0 16	3 29	0 43	16 2	1 38	30 6	6 28	21 30	21 14	25 47		n.a.
W25	23 18	26 26	3 11	17 38	3 3	10 28	2 40	14 20	3 24	16 32	0 30	24 7	0 16	3 29	0 43	16 2	1 38	30 6	6 28	21 31	21 14	25 46		n.a.
T 26	23 23	25 51	1 59	17 57	2 49	10 52	2 38	14 25	3 25	16 36	0 30	24 8	0 16	3 28	0 43	16 1	1 38	30 6	6 28	21 32	21 15	25 45		n.a.
F 27	23 28	23 21	0 40	18 17	2 34	11 16	2 37	14 29	3 26	16 40	0 30	24 8	0 16	3 28	0 43	16 1	1 38	30 6	6 28	21 32	21 16	25 44		n.a.
S 28	23 32	19 18	0n41	18 39	2 20	11 39	2 35	14 34	3 26	16 43	0 30	24 8	0 16	3 28	0 43	16 0	1 38	30 6	6 28	21 32	21 16	25 43		n.a.
S 29	23 36	14 9	1 58	19 3	2 5	12 3	2 33	14 39	3 27	16 47	0 30	24 8	0 16	3 28	0 44	16 0	1 38	30 6	6 28	21 32	21 17	25 42		n.a.
M30	23n40	8s23	3n 5	19n28	1s50	12n26	2s31	14s44	3s28	16n51	0s30	24n 8	0n16	3s27	0s44	15n59	1n38	30s 6	6s28	21s32	21s17	25n41		n.a.

Julian Day Number = 1109050.5, Delta T = 10h54m27s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°12'01, Lahiri = -27°05'01 Julian Calendar 1 June 1677 BCE == Greg. Calendar 18 May 1677 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

JULY 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 38 53	23♊17'27	14♓54	4♊27	10♉14	29♎43	17♉32	27♊41	23♓ 6	21♑59	21°R54	25♏ 3	26♏14	4♋59	n.a.	T 1
W 2	17 42 49	24°15'04	28°14	5°30	11°21	29°57	17°44	27°49	23° 7	22° 0	21♐52	25°R 3	26°11	5° 6	n.a.	W 2
T 3	17 46 46	25°12'43	11♈13	6°40	12°27	0♏11	17°57	27°56	23° 8	22° 2	21°51	25° 2	26° 8	5°13	n.a.	T 3
F 4	17 50 42	26°10'24	23°53	7°55	13°34	0°26	18° 9	28° 4	23° 8	22° 3	21°49	24°59	26° 5	5°19	n.a.	F 4
S 5	17 54 39	27° 8'07	6♉19	9°15	14°41	0°42	18°21	28°12	23° 9	22° 4	21°48	24°56	26° 2	5°26	n.a.	S 5
S 6	17 58 35	28° 5'52	18°32	10°41	15°48	0°59	18°32	28°19	23° 9	22° 6	21°47	24°52	25°59	5°33	n.a.	S 6
M 7	18 2 32	29° 3'38	0♊36	12°12	16°55	1°16	18°44	28°27	23° 9	22° 7	21°45	24°47	25°55	5°39	n.a.	M 7
T 8	18 6 29	0♋ 1'26	12°32	13°47	18° 2	1°34	18°56	28°34	23°10	22° 9	21°44	24°43	25°52	5°46	n.a.	T 8
W 9	18 10 25	0°59'16	24°24	15°27	19°10	1°52	19° 8	28°42	23°10	22°11	21°43	24°40	25°49	5°53	n.a.	W 9
T 10	18 14 22	1°57'08	6♋12	17°10	20°17	2°11	19°20	28°50	23°10	22°12	21°41	24°37	25°46	5°59	n.a.	T 10
F 11	18 18 18	2°55'01	17°59	18°56	21°25	2°31	19°31	28°57	23°10	22°14	21°40	24°36	25°43	6° 6	n.a.	F 11
S 12	18 22 15	3°52'56	29°47	20°46	22°33	2°51	19°43	29° 5	23°10	22°15	21°39	24°D36	25°39	6°13	n.a.	S 12
S 13	18 26 11	4°50'52	11♌40	22°37	23°41	3°12	19°54	29°12	23°10	22°17	21°37	24°37	25°36	6°19	n.a.	S 13
M14	18 30 8	5°48'50	23°40	24°31	24°49	3°33	20° 5	29°20	23°R10	22°19	21°36	24°38	25°33	6°26	n.a.	M14
T 15	18 34 4	6°46'49	5♍50	26°26	25°58	3°55	20°17	29°28	23°10	22°20	21°35	24°40	25°30	6°32	n.a.	T 15
W16	18 38 1	7°44'50	18°14	28°23	27° 6	4°17	20°28	29°35	23°10	22°22	21°33	24°41	25°27	6°39	n.a.	W16
T 17	18 41 58	8°42'53	0♎57	0♋20	28°15	4°40	20°39	29°43	23°10	22°24	21°32	24°42	25°24	6°46	n.a.	T 17
F 18	18 45 54	9°40'57	14° 2	2°18	29°24	5° 4	20°50	29°50	23°10	22°25	21°31	24°R42	25°20	6°52	n.a.	F 18
S 19	18 49 51	10°39'02	27°32	4°17	0♊33	5°28	21° 1	29°58	23°10	22°27	21°29	24°41	25°17	6°59	n.a.	S 19
S 20	18 53 47	11°37'10	11♏28	6°15	1°42	5°52	21°12	0♋ 5	23° 9	22°29	21°28	24°40	25°14	7° 6	n.a.	S 20
M21	18 57 44	12°35'18	25°51	8°13	2°51	6°17	21°22	0°13	23° 9	22°31	21°27	24°39	25°11	7°12	n.a.	M21
T 22	19 1 40	13°33'29	10♐36	10°10	4° 0	6°43	21°33	0°20	23° 9	22°33	21°26	24°37	25° 8	7°19	n.a.	T 22
W23	19 5 37	14°31'42	25°39	12° 7	5°10	7° 8	21°44	0°28	23° 8	22°34	21°24	24°36	25° 5	7°26	n.a.	W23
T 24	19 9 33	15°29'56	10♑51	14° 4	6°20	7°35	21°54	0°35	23° 8	22°36	21°23	24°36	25° 1	7°32	n.a.	T 24
F 25	19 13 30	16°28'12	26° 2	15°59	7°29	8° 1	22° 5	0°43	23° 7	22°38	21°22	24°D36	24°58	7°39	n.a.	F 25
S 26	19 17 27	17°26'30	11♒ 3	17°54	8°39	8°28	22°15	0°50	23° 7	22°40	21°21	24°36	24°55	7°46	n.a.	S 26
S 27	19 21 23	18°24'50	25°47	19°48	9°49	8°56	22°25	0°57	23° 6	22°42	21°19	24°36	24°52	7°52	n.a.	S 27
M28	19 25 20	19°23'12	10♓ 7	21°40	10°59	9°24	22°35	1° 5	23° 5	22°44	21°18	24°37	24°49	7°59	n.a.	M28
T 29	19 29 16	20°21'37	24° 0	23°32	12° 9	9°52	22°45	1°12	23° 5	22°46	21°17	24°37	24°45	8° 6	n.a.	T 29
W30	19 33 13	21°20'04	7♈27	25°23	13°20	10°21	22°55	1°19	23° 4	22°48	21°16	24°37	24°42	8°12	n.a.	W30
T 31	19 37 9	22♋18'33	20♈29	27♋12	14♊30	10♏50	23♉ 5	1♋27	23♓ 3	22♑50	21♐15	24°R38	24♏39	8♋19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n43	2s23	4n 0	19n53	1s34	12n49	2s29	14s49	3s28	16n54	0s30	24n 9	0n17	3s27	0s44	15n59	1n38	30s 6	6s28	21s32	21s18	25n40		n.a.
W 2	23 46	3n33	4 40	20 20	1 19	13 12	2 26	14 54	3 29	16 58	0 30	24 9	0 17	3 27	0 44	15 58	1 38	30 6	6 28	21 32	21 19	25 39		n.a.
T 3	23 48	9 10	5 4	20 47	1 4	13 35	2 24	15 0	3 29	17 1	0 30	24 9	0 17	3 27	0 44	15 58	1 38	30 6	6 28	21 32	21 19	25 38		n.a.
F 4	23 50	14 16	5 13	21 14	0 49	13 57	2 22	15 6	3 29	17 5	0 30	24 9	0 17	3 26	0 44	15 57	1 38	30 6	6 29	21 32	21 20	25 36		n.a.
S 5	23 52	18 42	5 7	21 41	0 35	14 20	2 19	15 12	3 29	17 8	0 30	24 10	0 17	3 26	0 44	15 57	1 38	30 6	6 29	21 33	21 20	25 35		n.a.
S 6	23 53	22 15	4 47	22 7	0 21	14 42	2 17	15 18	3 30	17 12	0 30	24 10	0 17	3 26	0 44	15 56	1 38	30 6	6 29	21 34	21 21	25 34		n.a.
M 7	23 53	24 48	4 15	22 33	0 8	15 4	2 14	15 24	3 30	17 15	0 30	24 10	0 17	3 26	0 44	15 56	1 37	30 6	6 29	21 34	21 22	25 33		n.a.
T 8	23 53	26 13	3 31	22 58	0n 5	15 25	2 12	15 31	3 30	17 18	0 30	24 10	0 17	3 26	0 44	15 55	1 37	30 6	6 29	21 35	21 22	25 32		n.a.
W 9	23 53	26 25	2 39	23 22	0 18	15 47	2 9	15 37	3 30	17 22	0 30	24 10	0 17	3 26	0 44	15 55	1 37	30 6	6 29	21 36	21 23	25 31		n.a.
T 10	23 53	25 24	1 40	23 45	0 29	16 8	2 6	15 44	3 30	17 25	0 30	24 10	0 17	3 26	0 44	15 54	1 37	30 5	6 29	21 36	21 23	25 30		n.a.
F 11	23 51	23 16	0 36	24 5	0 40	16 28	2 3	15 51	3 30	17 28	0 29	24 11	0 17	3 26	0 44	15 54	1 37	30 5	6 29	21 36	21 24	25 29		n.a.
S 12	23 50	20 7	0s29	24 24	0 50	16 49	2 0	15 58	3 30	17 31	0 29	24 11	0 17	3 26	0 44	15 53	1 37	30 5	6 29	21 36	21 25	25 27		n.a.
S 13	23 48	16 7	1 33	24 40	1 0	17 9	1 58	16 6	3 30	17 35	0 29	24 11	0 18	3 26	0 44	15 52	1 37	30 5	6 29	21 36	21 25	25 26		n.a.
M14	23 46	11 28	2 34	24 54	1 8	17 29	1 55	16 13	3 30	17 38	0 29	24 11	0 18	3 26	0 44	15 52	1 37	30 5	6 29	21 36	21 26	25 25		n.a.
T 15	23 43	6 19	3 29	25 6	1 16	17 48	1 52	16 21	3 30	17 41	0 29	24 11	0 18	3 26	0 44	15 51	1 37	30 5	6 29	21 36	21 26	25 24		n.a.
W16	23 40	0 50	4 15	25 15	1 22	18 7	1 49	16 28	3 30	17 44	0 29	24 11	0 18	3 26	0 44	15 51	1 37	30 5	6 29	21 35	21 27	25 23		n.a.
T 17	23 36	4s48	4 50	25 22	1 28	18 26	1 46	16 36	3 30	17 47	0 29	24 11	0 18	3 26	0 44	15 50	1 37	30 5	6 29	21 35	21 28	25 22		n.a.
F 18	23 32	10 24	5 11	25 26	1 33	18 44	1 42	16 44	3 29	17 50	0 29	24 11	0 18	3 26	0 44	15 50	1 37	30 5	6 29	21 35	21 28	25 20		n.a.
S 19	23 27	15 41	5 16	25 27	1 38	19 2	1 39	16 52	3 29	17 53	0 29	24 12	0 18	3 26	0 44	15 49	1 37	30 5	6 29	21 35	21 29	25 19		n.a.
S 20	23 22	20 21	5 3	25 26	1 41	19 19	1 36	17 0	3 29	17 56	0 29	24 12	0 18	3 26	0 44	15 48	1 37	30 5	6 29	21 36	21 29	25 18		n.a.
M21	23 17	23 58	4 31	25 22	1 44	19 36	1 33	17 8	3 29	17 59	0 29	24 12	0 18	3 27	0 44	15 48	1 37	30 5	6 29	21 36	21 30	25 17		n.a.
T 22	23 11	26 6	3 41	25 15	1 46	19 53	1 30	17 17	3 28	18 2	0 29	24 12	0 18	3 27	0 44	15 47	1 37	30 5	6 29	21 36	21 31	25 16		n.a.
W23	23 5	26 23	2 34	25 7	1 47	20 9	1 26	17 25	3 28	18 5	0 29	24 12	0 18	3 27	0 44	15 46	1 37	30 5	6 29	21 36	21 31	25 14		n.a.
T 24	22 58	24 42	1 16	24 55	1 48	20 25	1 23	17 33	3 27	18 7	0 29	24 12	0 19	3 27	0 44	15 46	1 37	30 4	6 29	21 36	21 32	25 13		n.a.
F 25	22 51	21 13	0n 8	24 42	1 48	20 40	1 20	17 42	3 27	18 10	0 29	24 12	0 19	3 27	0 44	15 45	1 37	30 4	6 29	21 36	21 32	25 12		n.a.
S 26	22 44	16 20	1 30	24 27	1 48	20 54	1 16	17 51	3 26	18 13	0 29	24 12	0 19	3 28	0 44	15 44	1 37	30 4	6 29	21 36	21 33	25 11		n.a.
S 27	22 36	10 35	2 45	24 9	1 47	21 8	1 13	17 59	3 26	18 16	0 29	24 12	0 19	3 28	0 44	15 44	1 37	30 4	6 29	21 36	21 34	25 9		n.a.
M28	22 28	4 26	3 47	23 50	1 45	21 22	1 9	18 8	3 25	18 18	0 29	24 12	0 19	3 28	0 44	15 43	1 37	30 4	6 29	21 36	21 34	25 8		n.a.
T 29	22 19	1n45	4 34	23 29	1 43	21 35	1 6	18 17	3 25	18 21	0 29	24 12	0 19	3 29	0 44	15 42	1 37	30 4	6 29	21 36	21 35	25 7		n.a.
W30	22 10	7 38	5 4	23 6	1 40	21 48	1 3	18 26	3 24	18 23	0 29	24 12	0 19	3 29	0 45	15 42	1 37	30 4	6 29	21 36	21 35	25 6		n.a.
T 31	22n 0	13n 1	5n17	22n42	1n37	21n59	0s59	18s34	3s24	18n26	0s28	24n12	0n19	3s29	0s45	15n41	1n37	30s 4	6s29	21s36	21s36	25n 4		n.a.

Julian Day Number = 1109080.5, Delta T = 10h54m25s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'57, Lahiri = -27°04'57 Julian Calendar 1 July 1677 BCE == Greg. Calendar 17 June 1677 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

AUGUST 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 41 6	23♋17'04	3♉ 8	29♋ 0	15♊41	11♏19	23♉15	1♋34	23°R 2	22♌52	21°R14	24°R38	24♑36	8♋26	n.a.	F 1
S 2	19 45 2	24°15'38	15°30	0♌48	16°52	11°49	23°24	1°41	23♓ 1	22°54	21♐13	24°D37	24°33	8°32	n.a.	S 2
S 3	19 48 59	25°14'15	27°37	2°34	18° 2	12°19	23°34	1°48	23° 0	22°56	21°12	24♑38	24°30	8°39	n.a.	S 3
M 4	19 52 56	26°12'53	9♊34	4°19	19°13	12°50	23°43	1°56	22°59	22°58	21°10	24°38	24°26	8°46	n.a.	M 4
T 5	19 56 52	27°11'34	21°25	6° 3	20°24	13°20	23°52	2° 3	22°58	23° 0	21° 9	24°38	24°23	8°52	n.a.	T 5
W 6	20 0 49	28°10'18	3♋12	7°46	21°36	13°52	24° 1	2°10	22°57	23° 2	21° 8	24°38	24°20	8°59	n.a.	W 6
T 7	20 4 45	29° 9'03	15° 0	9°28	22°47	14°23	24°10	2°17	22°56	23° 4	21° 7	24°38	24°17	9° 5	n.a.	T 7
F 8	20 8 42	0♌ 7'51	26°50	11° 9	23°58	14°55	24°19	2°24	22°55	23° 6	21° 6	24°R39	24°14	9°12	n.a.	F 8
S 9	20 12 38	1° 6'41	8♌45	12°49	25°10	15°27	24°28	2°31	22°53	23° 8	21° 5	24°38	24°11	9°19	n.a.	S 9
S 10	20 16 35	2° 5'32	20°46	14°28	26°21	15°59	24°37	2°38	22°52	23°10	21° 4	24°38	24° 7	9°25	n.a.	S 10
M11	20 20 31	3° 4'26	2♍56	16° 6	27°33	16°32	24°45	2°45	22°51	23°12	21° 3	24°37	24° 4	9°32	n.a.	M11
T 12	20 24 28	4° 3'22	15°17	17°43	28°45	17° 5	24°54	2°52	22°49	23°15	21° 2	24°36	24° 1	9°39	n.a.	T 12
W13	20 28 24	5° 2'20	27°51	19°19	29°56	17°38	25° 2	2°59	22°48	23°17	21° 2	24°34	23°58	9°45	n.a.	W13
T 14	20 32 21	6° 1'20	10♎39	20°55	1♋ 8	18°12	25°10	3° 5	22°47	23°19	21° 1	24°33	23°55	9°52	n.a.	T 14
F 15	20 36 18	7° 0'22	23°45	22°29	2°20	18°46	25°18	3°12	22°45	23°21	21° 0	24°32	23°51	9°59	n.a.	F 15
S 16	20 40 14	7°59'26	7♏11	24° 2	3°32	19°20	25°26	3°19	22°44	23°23	20°59	24°D32	23°48	10° 5	n.a.	S 16
S 17	20 44 11	8°58'32	20°57	25°34	4°45	19°54	25°34	3°26	22°42	23°25	20°58	24°32	23°45	10°12	n.a.	S 17
M18	20 48 7	9°57'39	5♐ 4	27° 6	5°57	20°29	25°41	3°32	22°40	23°28	20°57	24°33	23°42	10°19	n.a.	M18
T 19	20 52 4	10°56'49	19°31	28°36	7° 9	21° 4	25°49	3°39	22°39	23°30	20°56	24°34	23°39	10°25	n.a.	T 19
W20	20 56 0	11°56'01	4♑15	0♍ 6	8°22	21°39	25°56	3°45	22°37	23°32	20°56	24°35	23°36	10°32	n.a.	W20
T 21	20 59 57	12°55'14	19°11	1°35	9°34	22°14	26° 3	3°52	22°35	23°34	20°55	24°R36	23°32	10°39	n.a.	T 21
F 22	21 3 53	13°54'30	4♒12	3° 3	10°47	22°49	26°10	3°58	22°34	23°36	20°54	24°36	23°29	10°45	n.a.	F 22
S 23	21 7 50	14°53'48	19° 8	4°30	12° 0	23°25	26°17	4° 5	22°32	23°39	20°54	24°34	23°26	10°52	n.a.	S 23
S 24	21 11 47	15°53'07	3♓52	5°56	13°12	24° 1	26°24	4°11	22°30	23°41	20°53	24°32	23°23	10°59	n.a.	S 24
M25	21 15 43	16°52'30	18°17	7°21	14°25	24°37	26°30	4°17	22°28	23°43	20°52	24°29	23°20	11° 5	n.a.	M25
T 26	21 19 40	17°51'54	2♈18	8°45	15°38	25°13	26°37	4°23	22°26	23°45	20°52	24°26	23°17	11°12	n.a.	T 26
W27	21 23 36	18°51'21	15°52	10° 8	16°51	25°50	26°43	4°30	22°24	23°47	20°51	24°23	23°13	11°19	n.a.	W27
T 28	21 27 33	19°50'50	29° 0	11°30	18° 5	26°27	26°49	4°36	22°22	23°50	20°50	24°20	23°10	11°25	n.a.	T 28
F 29	21 31 29	20°50'22	11♉43	12°51	19°18	27° 3	26°55	4°42	22°20	23°52	20°50	24°19	23° 7	11°32	n.a.	F 29
S 30	21 35 26	21°49'57	24° 6	14°10	20°31	27°41	27° 1	4°48	22°18	23°54	20°49	24°D18	23° 4	11°38	n.a.	S 30
S 31	21 39 22	22♌49'34	6♊12	15♍29	21♋44	28♏18	27♉ 7	4♋54	22♓16	23♌56	20♐49	24♑19	23♑ 1	11♋45	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n50	17n42	5n14	22n17	1n34	22n11	0s56	18s43	3s23	18n29	0s28	24n12	0n19	3s30	0s45	15n40	1n37	30s 4	6s29	21s36	21s36	25n 3		n.a.
S 2	21 40	21 31	4 57	21 50	1 30	22 22	0 52	18 52	3 23	18 31	0 28	24 12	0 19	3 30	0 45	15 40	1 37	30 4	6 29	21 36	21 37	25 2		n.a.
S 3	21 29	24 19	4 27	21 21	1 26	22 32	0 49	19 1	3 22	18 33	0 28	24 12	0 20	3 31	0 45	15 39	1 37	30 4	6 29	21 36	21 38	25 0		n.a.
M 4	21 18	26 1	3 45	20 52	1 22	22 41	0 46	19 10	3 21	18 36	0 28	24 12	0 20	3 31	0 45	15 38	1 37	30 3	6 29	21 36	21 38	24 59		n.a.
T 5	21 7	26 30	2 54	20 21	1 17	22 50	0 42	19 19	3 21	18 38	0 28	24 12	0 20	3 31	0 45	15 38	1 37	30 3	6 29	21 36	21 39	24 58		n.a.
W 6	20 55	25 47	1 56	19 50	1 12	22 59	0 39	19 28	3 20	18 41	0 28	24 12	0 20	3 32	0 45	15 37	1 37	30 3	6 29	21 36	21 39	24 57		n.a.
T 7	20 43	23 55	0 53	19 17	1 7	23 6	0 35	19 37	3 19	18 43	0 28	24 12	0 20	3 32	0 45	15 36	1 37	30 3	6 29	21 36	21 40	24 55		n.a.
F 8	20 30	20 59	0s12	18 44	1 1	23 13	0 32	19 46	3 18	18 45	0 28	24 12	0 20	3 33	0 45	15 36	1 37	30 3	6 29	21 36	21 40	24 54		n.a.
S 9	20 17	17 10	1 18	18 10	0 55	23 20	0 28	19 55	3 18	18 47	0 28	24 12	0 20	3 33	0 45	15 35	1 37	30 3	6 29	21 36	21 41	24 53		n.a.
S 10	20 4	12 38	2 20	17 35	0 49	23 25	0 25	20 4	3 17	18 50	0 28	24 12	0 20	3 34	0 45	15 34	1 37	30 3	6 29	21 36	21 42	24 51		n.a.
M11	19 50	7 34	3 17	17 0	0 43	23 30	0 22	20 13	3 16	18 52	0 28	24 12	0 20	3 35	0 45	15 33	1 37	30 3	6 29	21 36	21 42	24 50		n.a.
T 12	19 36	2 9	4 6	16 24	0 37	23 35	0 18	20 22	3 15	18 54	0 28	24 12	0 20	3 35	0 45	15 33	1 37	30 2	6 29	21 37	21 43	24 49		n.a.
W13	19 22	3s27	4 43	15 47	0 30	23 38	0 15	20 31	3 15	18 56	0 28	24 12	0 21	3 36	0 45	15 32	1 37	30 2	6 29	21 37	21 43	24 47		n.a.
T 14	19 7	8 59	5 8	15 10	0 24	23 41	0 12	20 40	3 14	18 58	0 28	24 12	0 21	3 36	0 45	15 31	1 37	30 2	6 28	21 37	21 44	24 46		n.a.
F 15	18 52	14 17	5 17	14 33	0 17	23 44	0 8	20 49	3 13	19 0	0 28	24 12	0 21	3 37	0 45	15 30	1 37	30 2	6 28	21 37	21 44	24 44		n.a.
S 16	18 37	19 1	5 9	13 55	0 10	23 45	0 5	20 58	3 12	19 2	0 28	24 12	0 21	3 38	0 45	15 30	1 37	30 2	6 28	21 37	21 45	24 43		n.a.
S 17	18 21	22 53	4 44	13 17	0 3	23 46	0 2	21 6	3 11	19 4	0 28	24 12	0 21	3 38	0 45	15 29	1 37	30 2	6 28	21 37	21 46	24 42		n.a.
M18	18 5	25 30	4 1	12 38	0s 4	23 47	0n 1	21 15	3 10	19 6	0 28	24 12	0 21	3 39	0 45	15 28	1 37	30 2	6 28	21 37	21 46	24 40		n.a.
T 19	17 49	26 30	3 2	12 0	0 12	23 46	0 5	21 24	3 9	19 8	0 28	24 12	0 21	3 40	0 45	15 27	1 37	30 2	6 28	21 37	21 47	24 39		n.a.
W20	17 32	25 39	1 50	11 21	0 19	23 45	0 8	21 33	3 8	19 9	0 28	24 12	0 21	3 40	0 45	15 27	1 37	30 2	6 28	21 37	21 47	24 38		n.a.
T 21	17 15	22 59	0 30	10 42	0 26	23 43	0 11	21 41	3 7	19 11	0 28	24 11	0 21	3 41	0 45	15 26	1 37	30 1	6 28	21 36	21 48	24 36		n.a.
F 22	16 58	18 43	0n53	10 4	0 34	23 40	0 14	21 50	3 7	19 13	0 28	24 11	0 22	3 42	0 45	15 25	1 37	30 1	6 28	21 36	21 48	24 35		n.a.
S 23	16 40	13 17	2 11	9 25	0 41	23 37	0 17	21 58	3 6	19 14	0 27	24 11	0 22	3 42	0 45	15 24	1 37	30 1	6 28	21 37	21 49	24 33		n.a.
S 24	16 22	7 10	3 20	8 46	0 48	23 33	0 20	22 6	3 5	19 16	0 27	24 11	0 22	3 43	0 45	15 24	1 37	30 1	6 28	21 37	21 49	24 32		n.a.
M25	16 4	0 49	4 14	8 7	0 56	23 28	0 23	22 15	3 4	19 18	0 27	24 11	0 22	3 44	0 45	15 23	1 37	30 1	6 28	21 38	21 50	24 30		n.a.
T 26	15 46	5n23	4 52	7 28	1 3	23 23	0 26	22 23	3 3	19 19	0 27	24 11	0 22	3 45	0 45	15 22	1 37	30 1	6 28	21 38	21 50	24 29		n.a.
W27	15 27	11 8	5 11	6 50	1 11	23 17	0 29	22 31	3 2	19 21	0 27	24 11	0 22	3 46	0 45	15 21	1 37	30 1	6 28	21 39	21 51	24 28		n.a.
T 28	15 8	16 11	5 14	6 11	1 18	23 10	0 32	22 39	3 1	19 22	0 27	24 11	0 22	3 46	0 45	15 21	1 37	30 1	6 27	21 39	21 52	24 26		n.a.
F 29	14 49	20 23	5 0	5 33	1 25	23 2	0 34	22 47	3 0	19 24	0 27	24 11	0 22	3 47	0 45	15 20	1 37	30 0	6 27	21 40	21 52	24 25		n.a.
S 30	14 30	23 33	4 33	4 55	1 33	22 54	0 37	22 54	2 59	19 25	0 27	24 11	0 22	3 48	0 45	15 19	1 37	30 0	6 27	21 40	21 53	24 23		n.a.
S 31	14n10	25n36	3n55	4n18	1s40	22n45	0n40	23s 2	2s58	19n26	0s27	24n10	0n23	3s49	0s45	15n18	1n37	30s 0	6s27	21s39	21s53	24n22		n.a.

Julian Day Number = 1109111.5, Delta T = 10h54m23s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'53, Lahiri = -27°04'53 Julian Calendar 1 Aug. 1677 BCE == Greg. Calendar 18 July 1677 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

SEPTEMBER 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 43 19	23♌49'13	18♊ 7	16♍46	22♋58	28♏55	27♉12	5♋ 0	22°R14	23♌59	20°R48	24♉21	22♉57	11♋52	n.a.	M 1
T 2	21 47 15	24°48'55	29°56	18° 2	24°11	29°33	27°17	5° 5	22♓12	24° 1	20♐48	24°22	22°54	11°58	n.a.	T 2
W 3	21 51 12	25°48'39	11♋43	19°16	25°25	0♐11	27°22	5°11	22°10	24° 3	20°48	24°24	22°51	12° 5	n.a.	W 3
T 4	21 55 9	26°48'25	23°32	20°29	26°39	0°48	27°27	5°17	22° 8	24° 5	20°47	24°R25	22°48	12°12	n.a.	T 4
F 5	21 59 5	27°48'14	5♌27	21°41	27°52	1°26	27°32	5°22	22° 6	24° 8	20°47	24°24	22°45	12°18	n.a.	F 5
S 6	22 3 2	28°48'05	17°31	22°50	29° 6	2° 5	27°37	5°28	22° 3	24°10	20°46	24°22	22°42	12°25	n.a.	S 6
S 7	22 6 58	29°47'58	29°45	23°57	0♌20	2°43	27°41	5°33	22° 1	24°12	20°46	24°18	22°38	12°32	n.a.	S 7
M 8	22 10 55	0♍47'53	12♍11	25° 3	1°34	3°22	27°46	5°39	21°59	24°14	20°46	24°12	22°35	12°38	n.a.	M 8
T 9	22 14 51	1°47'51	24°50	26° 6	2°48	4° 0	27°50	5°44	21°57	24°17	20°46	24° 5	22°32	12°45	n.a.	T 9
W10	22 18 48	2°47'50	7♎41	27° 6	4° 2	4°39	27°54	5°49	21°54	24°19	20°45	23°59	22°29	12°52	n.a.	W10
T 11	22 22 44	3°47'51	20°46	28° 3	5°16	5°18	27°57	5°55	21°52	24°21	20°45	23°52	22°26	12°58	n.a.	T 11
F 12	22 26 41	4°47'54	4♏ 3	28°57	6°30	5°57	28° 1	6° 0	21°50	24°23	20°45	23°47	22°22	13° 5	n.a.	F 12
S 13	22 30 37	5°47'59	17°34	29°48	7°44	6°36	28° 4	6° 5	21°47	24°25	20°45	23°43	22°19	13°12	n.a.	S 13
S 14	22 34 34	6°48'06	1♐17	0♎34	8°59	7°16	28° 7	6°10	21°45	24°28	20°45	23°D42	22°16	13°18	n.a.	S 14
M15	22 38 31	7°48'14	15°14	1°16	10°13	7°55	28°11	6°15	21°43	24°30	20°45	23°42	22°13	13°25	n.a.	M15
T 16	22 42 27	8°48'24	29°24	1°54	11°27	8°35	28°13	6°19	21°40	24°32	20°44	23°43	22°10	13°31	n.a.	T 16
W17	22 46 24	9°48'36	13♑46	2°26	12°42	9°14	28°16	6°24	21°38	24°34	20°44	23°44	22° 7	13°38	n.a.	W17
T 18	22 50 20	10°48'50	28°17	2°52	13°56	9°54	28°18	6°29	21°35	24°36	20°D44	23°R44	22° 3	13°45	n.a.	T 18
F 19	22 54 17	11°49'05	12♒53	3°11	15°11	10°34	28°21	6°33	21°33	24°39	20°44	23°43	22° 0	13°51	n.a.	F 19
S 20	22 58 13	12°49'22	27°29	3°23	16°25	11°14	28°23	6°38	21°30	24°41	20°44	23°39	21°57	13°58	n.a.	S 20
S 21	23 2 10	13°49'40	11♓59	3°R28	17°40	11°54	28°25	6°42	21°28	24°43	20°45	23°33	21°54	14° 5	n.a.	S 21
M22	23 6 6	14°50'01	26°15	3°24	18°54	12°34	28°26	6°46	21°25	24°45	20°45	23°25	21°51	14°11	n.a.	M22
T 23	23 10 3	15°50'23	10♈13	3°11	20° 9	13°15	28°28	6°51	21°23	24°47	20°45	23°16	21°48	14°18	n.a.	T 23
W24	23 13 59	16°50'48	23°47	2°48	21°24	13°55	28°29	6°55	21°21	24°49	20°45	23° 7	21°44	14°25	n.a.	W24
T 25	23 17 56	17°51'14	6♉57	2°16	22°39	14°36	28°30	6°59	21°18	24°51	20°45	22°59	21°41	14°31	n.a.	T 25
F 26	23 21 53	18°51'43	19°43	1°34	23°53	15°16	28°31	7° 3	21°16	24°53	20°45	22°53	21°38	14°38	n.a.	F 26
S 27	23 25 49	19°52'14	2♊ 8	0°42	25° 8	15°57	28°32	7° 7	21°13	24°56	20°45	22°49	21°35	14°45	n.a.	S 27
S 28	23 29 46	20°52'46	14°16	29♍42	26°23	16°37	28°32	7°10	21°11	24°58	20°46	22°47	21°32	14°51	n.a.	S 28
M29	23 33 42	21°53'21	26°12	28°34	27°38	17°18	28°33	7°14	21° 8	25° 0	20°46	22°D47	21°28	14°58	n.a.	M29
T 30	23 37 39	22♍53'58	8♋ 0	27♍19	28♌53	17♐59	28°R33	7♋18	21♓ 6	25♌ 2	20♐46	22♉47	21♉25	15♋ 5	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n50	26n26	3n 6	3n41	1s47	22n35	0n42	23s10	2s56	19n28	0s27	24n10	0n23	3s50	0s45	15n18	1n37	30s 0	6s27	21s39	21s54	24n20		n.a.
T 2	13 30	26 4	2 10	3 5	1 54	22 25	0 45	23 17	2 55	19 29	0 27	24 10	0 23	3 51	0 45	15 17	1 37	30 0	6 27	21 39	21 54	24 19		n.a.
W 3	13 9	24 31	1 9	2 29	2 1	22 14	0 47	23 24	2 54	19 30	0 27	24 10	0 23	3 51	0 45	15 16	1 37	30 0	6 27	21 39	21 55	24 17		n.a.
T 4	12 49	21 53	0 5	1 54	2 7	22 2	0 50	23 32	2 53	19 32	0 27	24 10	0 23	3 52	0 45	15 15	1 37	30 0	6 27	21 38	21 55	24 16		n.a.
F 5	12 28	18 18	1s 0	1 19	2 14	21 50	0 52	23 39	2 52	19 33	0 27	24 10	0 23	3 53	0 45	15 15	1 37	30 0	6 27	21 39	21 56	24 14		n.a.
S 6	12 7	13 56	2 3	0 46	2 20	21 37	0 55	23 46	2 51	19 34	0 27	24 10	0 23	3 54	0 45	15 14	1 37	29 59	6 27	21 39	21 56	24 13		n.a.
S 7	11 45	8 57	3 1	0 13	2 26	21 23	0 57	23 52	2 50	19 35	0 27	24 10	0 23	3 55	0 45	15 13	1 37	29 59	6 27	21 40	21 57	24 11		n.a.
M 8	11 24	3 34	3 51	0s18	2 32	21 9	0 59	23 59	2 49	19 36	0 27	24 10	0 24	3 56	0 45	15 12	1 37	29 59	6 26	21 41	21 58	24 10		n.a.
T 9	11 2	2s 2	4 31	0 49	2 37	20 54	1 1	24 6	2 48	19 37	0 27	24 9	0 24	3 57	0 45	15 12	1 37	29 59	6 26	21 42	21 58	24 8		n.a.
W10	10 40	7 39	4 58	1 18	2 42	20 38	1 3	24 12	2 47	19 38	0 27	24 9	0 24	3 58	0 45	15 11	1 37	29 59	6 26	21 43	21 59	24 7		n.a.
T 11	10 18	13 1	5 9	1 45	2 47	20 22	1 6	24 18	2 46	19 39	0 27	24 9	0 24	3 59	0 45	15 10	1 37	29 59	6 26	21 44	21 59	24 5		n.a.
F 12	9 56	17 52	5 5	2 11	2 51	20 5	1 7	24 24	2 44	19 40	0 27	24 9	0 24	4 0	0 45	15 9	1 37	29 59	6 26	21 45	22 0	24 4		n.a.
S 13	9 33	21 55	4 44	2 35	2 55	19 48	1 9	24 30	2 43	19 40	0 27	24 9	0 24	4 1	0 45	15 9	1 37	29 59	6 26	21 46	22 0	24 2		n.a.
S 14	9 11	24 49	4 6	2 57	2 58	19 30	1 11	24 36	2 42	19 41	0 27	24 9	0 24	4 2	0 45	15 8	1 37	29 58	6 26	21 46	22 1	24 1		n.a.
M15	8 48	26 15	3 13	3 16	3 1	19 11	1 13	24 41	2 41	19 42	0 26	24 9	0 24	4 3	0 45	15 7	1 37	29 58	6 26	21 46	22 1	23 59		n.a.
T 16	8 25	26 1	2 8	3 33	3 2	18 52	1 15	24 47	2 40	19 43	0 26	24 9	0 25	4 3	0 45	15 7	1 37	29 58	6 26	21 46	22 2	23 58		n.a.
W17	8 2	24 3	0 54	3 47	3 3	18 32	1 16	24 52	2 39	19 43	0 26	24 9	0 25	4 4	0 45	15 6	1 37	29 58	6 26	21 46	22 2	23 56		n.a.
T 18	7 39	20 30	0n25	3 57	3 3	18 12	1 18	24 57	2 38	19 44	0 26	24 9	0 25	4 5	0 45	15 5	1 37	29 58	6 25	21 46	22 3	23 54		n.a.
F 19	7 16	15 38	1 42	4 4	3 2	17 51	1 19	25 2	2 36	19 44	0 26	24 8	0 25	4 6	0 45	15 4	1 37	29 58	6 25	21 46	22 3	23 53		n.a.
S 20	6 52	9 53	2 52	4 7	3 0	17 30	1 21	25 7	2 35	19 45	0 26	24 8	0 25	4 7	0 45	15 4	1 37	29 58	6 25	21 47	22 4	23 51		n.a.
S 21	6 29	3 40	3 50	4 6	2 57	17 8	1 22	25 11	2 34	19 45	0 26	24 8	0 25	4 8	0 45	15 3	1 37	29 58	6 25	21 48	22 4	23 50		n.a.
M22	6 5	2n39	4 33	4 0	2 52	16 46	1 24	25 15	2 33	19 46	0 26	24 8	0 25	4 9	0 45	15 2	1 37	29 58	6 25	21 49	22 5	23 48		n.a.
T 23	5 41	8 40	4 58	3 49	2 46	16 23	1 25	25 20	2 32	19 46	0 26	24 8	0 25	4 10	0 45	15 2	1 37	29 58	6 25	21 51	22 5	23 47		n.a.
W24	5 17	14 7	5 6	3 32	2 38	15 59	1 26	25 24	2 31	19 47	0 26	24 8	0 26	4 11	0 45	15 1	1 37	29 57	6 25	21 52	22 6	23 45		n.a.
T 25	4 53	18 45	4 57	3 10	2 28	15 36	1 27	25 27	2 29	19 47	0 26	24 8	0 26	4 12	0 45	15 0	1 37	29 57	6 25	21 54	22 6	23 43		n.a.
F 26	4 29	22 23	4 34	2 43	2 16	15 11	1 28	25 31	2 28	19 47	0 26	24 8	0 26	4 13	0 45	14 59	1 37	29 57	6 25	21 55	22 7	23 42		n.a.
S 27	4 5	24 51	3 58	2 9	2 3	14 47	1 29	25 34	2 27	19 47	0 26	24 8	0 26	4 14	0 45	14 59	1 37	29 57	6 24	21 55	22 7	23 40		n.a.
S 28	3 41	26 7	3 11	1 31	1 47	14 22	1 30	25 37	2 26	19 47	0 26	24 8	0 26	4 15	0 45	14 58	1 37	29 57	6 24	21 56	22 8	23 38		n.a.
M29	3 17	26 8	2 18	0 48	1 30	13 56	1 30	25 40	2 25	19 48	0 26	24 8	0 26	4 16	0 45	14 57	1 37	29 57	6 24	21 56	22 8	23 37		n.a.
T 30	2n52	24n57	1n18	0s 1	1s12	13n30	1n31	25s43	2s23	19n48	0s26	24n 8	0n26	4s17	0s45	14n57	1n37	29s57	6s24	21s55	22s 9	23n35		n.a.

Julian Day Number = 1109142.5, Delta T = 10h54m21s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'49, Lahiri = -27°04'49 Julian Calendar 1 Sept. 1677 BCE == Greg. Calendar 18 Aug. 1677 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

OCTOBER 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 41 35	23♍54'36	19♋48	26°R 1	0♍ 8	18♐40	28°R33	7♋21	21°R 3	25♑ 4	20♐47	22°R48	21♉22	15♋11	n.a.	W 1
T 2	23 45 32	24°55'17	1♑39	24♍40	1°23	19°21	28♉32	7°25	21♓ 1	25° 6	20°47	22♉48	21°19	15°18	n.a.	T 2
F 3	23 49 28	25°55'59	13°38	23°21	2°38	20° 2	28°32	7°28	20°58	25° 8	20°47	22°45	21°16	15°24	n.a.	F 3
S 4	23 53 25	26°56'43	25°50	22° 4	3°53	20°43	28°31	7°31	20°56	25°10	20°48	22°40	21°13	15°31	n.a.	S 4
S 5	23 57 22	27°57'29	8♍17	20°54	5° 8	21°24	28°30	7°34	20°53	25°12	20°48	22°33	21° 9	15°38	n.a.	S 5
M 6	0 1 18	28°58'16	21° 0	19°52	6°24	22° 6	28°29	7°37	20°51	25°14	20°49	22°23	21° 6	15°44	n.a.	M 6
T 7	0 5 15	29°59'05	4♎ 0	19° 0	7°39	22°47	28°28	7°40	20°48	25°16	20°49	22°11	21° 3	15°51	n.a.	T 7
W 8	0 9 11	0♎59'56	17°16	18°18	8°54	23°28	28°26	7°43	20°46	25°17	20°50	21°59	21° 0	15°58	n.a.	W 8
T 9	0 13 8	2° 0'48	0♏44	17°48	10° 9	24°10	28°24	7°46	20°43	25°19	20°50	21°47	20°57	16° 4	n.a.	T 9
F 10	0 17 4	3° 1'41	14°24	17°30	11°25	24°52	28°23	7°48	20°41	25°21	20°51	21°37	20°54	16°11	n.a.	F 10
S 11	0 21 1	4° 2'35	28°12	17°D23	12°40	25°33	28°20	7°51	20°39	25°23	20°52	21°30	20°50	16°18	n.a.	S 11
S 12	0 24 57	5° 3'31	12♐ 6	17°27	13°55	26°15	28°18	7°53	20°36	25°25	20°52	21°25	20°47	16°24	n.a.	S 12
M13	0 28 54	6° 4'27	26° 5	17°42	15°11	26°56	28°16	7°55	20°34	25°27	20°53	21°23	20°44	16°31	n.a.	M13
T 14	0 32 51	7° 5'25	10♑ 8	18° 6	16°26	27°38	28°13	7°58	20°31	25°29	20°54	21°D23	20°41	16°38	n.a.	T 14
W15	0 36 47	8° 6'24	24°15	18°39	17°41	28°20	28°10	8° 0	20°29	25°30	20°54	21°R23	20°38	16°44	n.a.	W15
T 16	0 40 44	9° 7'23	8♒24	19°19	18°57	29° 2	28° 7	8° 2	20°27	25°32	20°55	21°22	20°34	16°51	n.a.	T 16
F 17	0 44 40	10° 8'23	22°34	20° 6	20°12	29°44	28° 4	8° 3	20°24	25°34	20°56	21°19	20°31	16°57	n.a.	F 17
S 18	0 48 37	11° 9'25	6♓42	21° 0	21°27	0♑26	28° 0	8° 5	20°22	25°35	20°57	21°13	20°28	17° 4	n.a.	S 18
S 19	0 52 33	12°10'27	20°46	21°58	22°43	1° 7	27°57	8° 7	20°20	25°37	20°58	21° 4	20°25	17°11	n.a.	S 19
M20	0 56 30	13°11'30	4♈40	23° 2	23°58	1°49	27°53	8° 8	20°18	25°39	20°59	20°53	20°22	17°17	n.a.	M20
T 21	1 0 26	14°12'34	18°20	24° 9	25°14	2°31	27°49	8°10	20°15	25°40	20°59	20°40	20°19	17°24	n.a.	T 21
W22	1 4 23	15°13'39	1♉43	25°20	26°29	3°13	27°44	8°11	20°13	25°42	21° 0	20°26	20°15	17°31	n.a.	W22
T 23	1 8 20	16°14'45	14°47	26°33	27°45	3°56	27°40	8°12	20°11	25°44	21° 1	20°14	20°12	17°37	n.a.	T 23
F 24	1 12 16	17°15'53	27°30	27°50	29° 0	4°38	27°36	8°13	20° 9	25°45	21° 2	20° 4	20° 9	17°44	n.a.	F 24
S 25	1 16 13	18°17'01	9♊54	29° 8	0♎16	5°20	27°31	8°14	20° 7	25°47	21° 3	19°56	20° 6	17°51	n.a.	S 25
S 26	1 20 9	19°18'11	22° 2	0♎29	1°31	6° 2	27°26	8°15	20° 5	25°48	21° 4	19°52	20° 3	17°57	n.a.	S 26
M27	1 24 6	20°19'22	3♋58	1°51	2°47	6°44	27°21	8°16	20° 3	25°50	21° 5	19°50	19°59	18° 4	n.a.	M27
T 28	1 28 2	21°20'33	15°47	3°14	4° 2	7°26	27°16	8°17	20° 1	25°51	21° 6	19°49	19°56	18°11	n.a.	T 28
W29	1 31 59	22°21'46	27°35	4°39	5°18	8° 8	27°10	8°17	19°59	25°53	21° 7	19°49	19°53	18°17	n.a.	W29
T 30	1 35 55	23°23'00	9♑26	6° 5	6°33	8°51	27° 5	8°18	19°57	25°54	21° 9	19°48	19°50	18°24	n.a.	T 30
F 31	1 39 52	24♎24'14	21♑27	7♎31	7♎49	9♑33	26♉59	8♋18	19♓55	25♑55	21♐10	19♑46	19♑47	18♋31	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	2n28	22n40	0n16	0n49	0s52	13n 4	1n32	25s46	2s22	19n48	0s26	24n 7	0n27	4s18	0s45	14n56	1n37	29s57	6s24	21s55	22s 9	23n34			n.a.
T 2	2 3	19 24	0s47	1 40	0 32	12 37	1 32	25 48	2 21	19 48	0 26	24 7	0 27	4 19	0 45	14 55	1 37	29 57	6 24	21 55	22 10	23 32			n.a.
F 3	1 39	15 18	1 49	2 31	0 11	12 10	1 33	25 50	2 20	19 48	0 25	24 7	0 27	4 20	0 45	14 55	1 37	29 57	6 24	21 56	22 10	23 30			n.a.
S 4	1 14	10 32	2 47	3 21	0n 9	11 43	1 33	25 52	2 19	19 48	0 25	24 7	0 27	4 21	0 45	14 54	1 37	29 57	6 24	21 57	22 11	23 29			n.a.
S 5	0 50	5 16	3 38	4 7	0 29	11 15	1 34	25 54	2 17	19 47	0 25	24 7	0 27	4 22	0 45	14 53	1 37	29 57	6 24	21 58	22 11	23 27			n.a.
M 6	0 25	0s19	4 19	4 49	0 48	10 47	1 34	25 55	2 16	19 47	0 25	24 7	0 27	4 23	0 45	14 53	1 37	29 56	6 24	22 0	22 12	23 25			n.a.
T 7	0 0	6 0	4 47	5 26	1 5	10 19	1 34	25 56	2 15	19 47	0 25	24 7	0 27	4 24	0 45	14 52	1 38	29 56	6 23	22 2	22 12	23 24			n.a.
W 8	0s24	11 31	5 1	5 57	1 21	9 50	1 34	25 57	2 14	19 47	0 25	24 7	0 28	4 25	0 45	14 52	1 38	29 56	6 23	22 4	22 13	23 22			n.a.
T 9	0 49	16 35	4 58	6 22	1 35	9 21	1 34	25 58	2 13	19 46	0 25	24 7	0 28	4 26	0 45	14 51	1 38	29 56	6 23	22 5	22 13	23 20			n.a.
F 10	1 14	20 53	4 39	6 40	1 47	8 52	1 34	25 59	2 11	19 46	0 25	24 7	0 28	4 27	0 45	14 50	1 38	29 56	6 23	22 7	22 14	23 19			n.a.
S 11	1 38	24 4	4 3	6 52	1 58	8 22	1 34	25 59	2 10	19 46	0 25	24 7	0 28	4 28	0 45	14 50	1 38	29 56	6 23	22 8	22 14	23 17			n.a.
S 12	2 3	25 51	3 12	6 59	2 6	7 53	1 34	25 59	2 9	19 45	0 25	24 7	0 28	4 29	0 45	14 49	1 38	29 56	6 23	22 9	22 15	23 15			n.a.
M13	2 27	26 0	2 10	6 59	2 13	7 23	1 34	25 59	2 8	19 45	0 25	24 7	0 28	4 30	0 45	14 49	1 38	29 56	6 23	22 9	22 15	23 13			n.a.
T 14	2 52	24 29	0 59	6 54	2 18	6 53	1 33	25 59	2 7	19 44	0 25	24 7	0 28	4 31	0 45	14 48	1 38	29 56	6 23	22 9	22 16	23 12			n.a.
W15	3 16	21 25	0n15	6 45	2 22	6 22	1 33	25 58	2 5	19 44	0 25	24 7	0 29	4 32	0 45	14 47	1 38	29 56	6 23	22 9	22 16	23 10			n.a.
T 16	3 41	17 5	1 29	6 31	2 24	5 52	1 32	25 57	2 4	19 43	0 24	24 7	0 29	4 33	0 45	14 47	1 38	29 56	6 23	22 9	22 17	23 8			n.a.
F 17	4 5	11 47	2 37	6 13	2 26	5 21	1 32	25 56	2 3	19 42	0 24	24 7	0 29	4 34	0 45	14 46	1 38	29 56	6 22	22 10	22 17	23 7			n.a.
S 18	4 30	5 53	3 35	5 51	2 26	4 51	1 31	25 55	2 2	19 42	0 24	24 7	0 29	4 35	0 45	14 46	1 38	29 56	6 22	22 11	22 18	23 5			n.a.
S 19	4 54	0n15	4 20	5 27	2 25	4 20	1 31	25 54	2 0	19 41	0 24	24 7	0 29	4 35	0 45	14 45	1 38	29 56	6 22	22 12	22 18	23 3			n.a.
M20	5 18	6 17	4 49	5 0	2 23	3 49	1 30	25 52	1 59	19 40	0 24	24 7	0 29	4 36	0 45	14 45	1 38	29 56	6 22	22 14	22 19	23 1			n.a.
T 21	5 42	11 56	5 0	4 31	2 21	3 17	1 29	25 50	1 58	19 39	0 24	24 7	0 29	4 37	0 45	14 44	1 38	29 56	6 22	22 16	22 19	23 0			n.a.
W22	6 6	16 53	4 55	3 59	2 18	2 46	1 28	25 48	1 57	19 38	0 24	24 7	0 30	4 38	0 45	14 44	1 38	29 56	6 22	22 18	22 20	22 58			n.a.
T 23	6 30	20 55	4 34	3 26	2 14	2 15	1 27	25 46	1 56	19 37	0 24	24 8	0 30	4 39	0 45	14 43	1 38	29 56	6 22	22 20	22 20	22 56			n.a.
F 24	6 54	23 51	3 59	2 52	2 10	1 43	1 26	25 43	1 54	19 37	0 24	24 8	0 30	4 40	0 45	14 43	1 38	29 56	6 22	22 22	22 21	22 54			n.a.
S 25	7 18	25 33	3 14	2 16	2 5	1 12	1 25	25 40	1 53	19 36	0 24	24 8	0 30	4 41	0 45	14 42	1 38	29 56	6 22	22 23	22 21	22 53			n.a.
S 26	7 42	26 0	2 21	1 38	2 0	0 40	1 24	25 37	1 52	19 34	0 24	24 8	0 30	4 41	0 45	14 42	1 38	29 56	6 22	22 23	22 22	22 51			n.a.
M27	8 5	25 13	1 23	1 0	1 55	0 8	1 23	25 34	1 51	19 33	0 23	24 8	0 30	4 42	0 45	14 41	1 38	29 56	6 22	22 24	22 22	22 49			n.a.
T 28	8 29	23 17	0 21	0 21	1 49	0s23	1 22	25 30	1 50	19 32	0 23	24 8	0 30	4 43	0 45	14 41	1 39	29 56	6 21	22 24	22 23	22 47			n.a.
W29	8 52	20 22	0s41	0s18	1 43	0 55	1 21	25 26	1 49	19 31	0 23	24 8	0 31	4 44	0 45	14 40	1 39	29 56	6 21	22 24	22 23	22 45			n.a.
T 30	9 15	16 35	1 42	0 58	1 37	1 27	1 19	25 22	1 47	19 30	0 23	24 8	0 31	4 44	0 45	14 40	1 39	29 56	6 21	22 24	22 24	22 44			n.a.
F 31	9s38	12n 7	2s39	1s39	1n31	1s58	1n18	25s18	1s46	19n29	0s23	24n 8	0n31	4s45	0s45	14n40	1n39	29s56	6s21	22s24	22s24	22n42			n.a.

Julian Day Number = 1109172.5, Delta T = 10h54m19s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'45, Lahiri = -27°04'44 Julian Calendar 1 Oct. 1677 BCE == Greg. Calendar 17 Sept. 1677 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

NOVEMBER 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 43 49	25♎25'30	3♍43	8♎59	9♎ 4	10♑15	26°R53	8♋18	19°R53	25♌57	21♐11	19°R41	19♑44	18♋37	n.a.	S 1
S 2	1 47 45	26°26'46	16°17	10°27	10°20	10°57	26♉47	8°R18	19♓51	25°58	21°12	19♑33	19°40	18°44	n.a.	S 2
M 3	1 51 42	27°28'03	29°12	11°55	11°36	11°40	26°41	8°18	19°49	25°59	21°13	19°23	19°37	18°50	n.a.	M 3
T 4	1 55 38	28°29'21	12♎28	13°24	12°51	12°22	26°35	8°18	19°47	26° 1	21°14	19°10	19°34	18°57	n.a.	T 4
W 5	1 59 35	29°30'39	26° 5	14°54	14° 7	13° 4	26°28	8°18	19°46	26° 2	21°16	18°57	19°31	19° 4	n.a.	W 5
T 6	2 3 31	0♏31'58	10♏ 0	16°24	15°22	13°47	26°22	8°18	19°44	26° 3	21°17	18°45	19°28	19°10	n.a.	T 6
F 7	2 7 28	1°33'17	24° 7	17°54	16°38	14°29	26°15	8°17	19°42	26° 4	21°18	18°34	19°25	19°17	n.a.	F 7
S 8	2 11 25	2°34'36	8♐22	19°25	17°53	15°12	26° 8	8°17	19°40	26° 5	21°20	18°26	19°21	19°24	n.a.	S 8
S 9	2 15 21	3°35'56	22°39	20°56	19° 9	15°54	26° 1	8°16	19°39	26° 7	21°21	18°21	19°18	19°30	n.a.	S 9
M10	2 19 18	4°37'16	6♑55	22°28	20°24	16°36	25°54	8°15	19°37	26° 8	21°22	18°18	19°15	19°37	n.a.	M10
T 11	2 23 14	5°38'35	21° 7	23°59	21°40	17°19	25°47	8°14	19°36	26° 9	21°24	18°D18	19°12	19°44	n.a.	T 11
W12	2 27 11	6°39'55	5♒12	25°31	22°56	18° 1	25°40	8°13	19°34	26°10	21°25	18°R18	19° 9	19°50	n.a.	W12
T 13	2 31 7	7°41'14	19°12	27° 3	24°11	18°44	25°32	8°12	19°33	26°11	21°26	18°18	19° 5	19°57	n.a.	T 13
F 14	2 35 4	8°42'33	3♓ 4	28°36	25°27	19°26	25°25	8°11	19°31	26°12	21°28	18°15	19° 2	20° 4	n.a.	F 14
S 15	2 39 0	9°43'52	16°50	0♏ 8	26°42	20° 9	25°17	8°10	19°30	26°13	21°29	18°10	18°59	20°10	n.a.	S 15
S 16	2 42 57	10°45'10	0♈27	1°41	27°58	20°51	25°10	8° 8	19°29	26°14	21°31	18° 2	18°56	20°17	n.a.	S 16
M17	2 46 54	11°46'28	13°54	3°14	29°13	21°33	25° 2	8° 7	19°27	26°14	21°32	17°52	18°53	20°23	n.a.	M17
T 18	2 50 50	12°47'46	27° 9	4°48	0♏29	22°16	24°54	8° 5	19°26	26°15	21°34	17°41	18°50	20°30	n.a.	T 18
W19	2 54 47	13°49'04	10♉12	6°21	1°44	22°58	24°47	8° 3	19°25	26°16	21°35	17°29	18°46	20°37	n.a.	W19
T 20	2 58 43	14°50'22	22°59	7°56	3° 0	23°41	24°39	8° 2	19°24	26°17	21°37	17°18	18°43	20°43	n.a.	T 20
F 21	3 2 40	15°51'40	5♊31	9°30	4°15	24°23	24°31	8° 0	19°23	26°18	21°38	17° 8	18°40	20°50	n.a.	F 21
S 22	3 6 36	16°52'57	17°49	11° 5	5°31	25° 6	24°23	7°58	19°22	26°18	21°40	17° 1	18°37	20°57	n.a.	S 22
S 23	3 10 33	17°54'15	29°53	12°40	6°46	25°48	24°15	7°55	19°21	26°19	21°41	16°57	18°34	21° 3	n.a.	S 23
M24	3 14 30	18°55'32	11♋48	14°15	8° 2	26°30	24° 7	7°53	19°20	26°20	21°43	16°D56	18°31	21°10	n.a.	M24
T 25	3 18 26	19°56'49	23°36	15°51	9°17	27°13	23°59	7°51	19°19	26°20	21°45	16°56	18°27	21°17	n.a.	T 25
W26	3 22 23	20°58'06	5♌23	17°27	10°32	27°55	23°51	7°48	19°18	26°21	21°46	16°57	18°24	21°23	n.a.	W26
T 27	3 26 19	21°59'23	17°14	19° 4	11°48	28°37	23°43	7°46	19°17	26°21	21°48	16°R57	18°21	21°30	n.a.	T 27
F 28	3 30 16	23° 0'40	29°14	20°41	13° 3	29°20	23°34	7°43	19°17	26°22	21°49	16°57	18°18	21°37	n.a.	F 28
S 29	3 34 12	24° 1'56	11♍28	22°18	14°19	0♒ 2	23°26	7°40	19°16	26°22	21°51	16°56	18°15	21°43	n.a.	S 29
S 30	3 38 9	25♏ 3'12	24♍ 2	23♏56	15♏34	0♒45	23♉18	7♋38	19♓15	26♌23	21♐53	16♑52	18♑11	21♋50	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s 1	7n 5	3s30	2s20	1n24	2s30	1n16	25s14	1s45	19n27	0s23	24n 9	0n31	4s46	0s45	14n39	1n39	29s56	6s21	22s25	22s25	22n40		n.a.
S 2	10 23	1 39	4 12	3 1	1 18	3 1	1 15	25 9	1 44	19 26	0 23	24 9	0 31	4 47	0 45	14 39	1 39	29 56	6 21	22 26	22 25	22 38		n.a.
M 3	10 46	3s59	4 42	3 43	1 11	3 33	1 13	25 4	1 43	19 25	0 23	24 9	0 31	4 47	0 45	14 38	1 39	29 56	6 21	22 28	22 26	22 36		n.a.
T 4	11 8	9 35	4 59	4 24	1 4	4 4	1 12	24 59	1 41	19 23	0 23	24 9	0 32	4 48	0 45	14 38	1 39	29 56	6 21	22 29	22 26	22 35		n.a.
W 5	11 30	14 52	4 58	5 6	0 58	4 36	1 10	24 54	1 40	19 22	0 23	24 9	0 32	4 49	0 45	14 38	1 39	29 56	6 21	22 31	22 26	22 33		n.a.
T 6	11 52	19 31	4 41	5 47	0 51	5 7	1 8	24 48	1 39	19 21	0 22	24 9	0 32	4 49	0 45	14 37	1 39	29 56	6 21	22 33	22 27	22 31		n.a.
F 7	12 14	23 7	4 5	6 29	0 44	5 38	1 7	24 42	1 38	19 19	0 22	24 10	0 32	4 50	0 45	14 37	1 39	29 56	6 21	22 35	22 27	22 29		n.a.
S 8	12 36	25 19	3 15	7 10	0 37	6 9	1 5	24 36	1 37	19 18	0 22	24 10	0 32	4 51	0 45	14 36	1 39	29 56	6 21	22 36	22 28	22 27		n.a.
S 9	12 57	25 52	2 12	7 52	0 30	6 40	1 3	24 30	1 36	19 16	0 22	24 10	0 32	4 51	0 45	14 36	1 39	29 56	6 21	22 36	22 28	22 25		n.a.
M10	13 18	24 42	1 0	8 33	0 23	7 11	1 1	24 24	1 34	19 14	0 22	24 10	0 32	4 52	0 45	14 36	1 39	29 56	6 21	22 37	22 29	22 24		n.a.
T 11	13 39	21 57	0n15	9 14	0 16	7 41	0 59	24 17	1 33	19 13	0 22	24 10	0 33	4 53	0 45	14 35	1 39	29 56	6 20	22 37	22 29	22 22		n.a.
W12	14 0	17 54	1 29	9 54	0 9	8 12	0 57	24 10	1 32	19 11	0 22	24 11	0 33	4 53	0 45	14 35	1 39	29 56	6 20	22 37	22 30	22 20		n.a.
T 13	14 20	12 53	2 36	10 35	0 3	8 42	0 55	24 3	1 31	19 10	0 21	24 11	0 33	4 54	0 44	14 35	1 39	29 56	6 20	22 37	22 30	22 18		n.a.
F 14	14 40	7 15	3 34	11 14	0s 4	9 12	0 53	23 56	1 30	19 8	0 21	24 11	0 33	4 54	0 44	14 35	1 39	29 56	6 20	22 37	22 31	22 16		n.a.
S 15	15 0	1 20	4 19	11 54	0 11	9 42	0 51	23 48	1 29	19 6	0 21	24 11	0 33	4 55	0 44	14 34	1 40	29 56	6 20	22 38	22 31	22 14		n.a.
S 16	15 20	4n35	4 49	12 33	0 17	10 11	0 49	23 41	1 27	19 4	0 21	24 11	0 33	4 55	0 44	14 34	1 40	29 56	6 20	22 39	22 32	22 12		n.a.
M17	15 39	10 12	5 2	13 12	0 24	10 40	0 47	23 33	1 26	19 3	0 21	24 12	0 34	4 56	0 44	14 34	1 40	29 56	6 20	22 40	22 32	22 11		n.a.
T 18	15 58	15 17	4 59	13 50	0 30	11 9	0 45	23 25	1 25	19 1	0 21	24 12	0 34	4 56	0 44	14 34	1 40	29 56	6 20	22 42	22 32	22 9		n.a.
W19	16 17	19 34	4 40	14 28	0 37	11 38	0 43	23 16	1 24	18 59	0 21	24 12	0 34	4 57	0 44	14 33	1 40	29 56	6 20	22 43	22 33	22 7		n.a.
T 20	16 36	22 50	4 7	15 5	0 43	12 7	0 40	23 8	1 23	18 57	0 21	24 13	0 34	4 57	0 44	14 33	1 40	29 56	6 20	22 45	22 33	22 5		n.a.
F 21	16 54	24 57	3 22	15 42	0 49	12 35	0 38	22 59	1 22	18 56	0 20	24 13	0 34	4 57	0 44	14 33	1 40	29 56	6 20	22 46	22 34	22 3		n.a.
S 22	17 12	25 48	2 29	16 18	0 55	13 3	0 36	22 50	1 21	18 54	0 20	24 13	0 34	4 58	0 44	14 33	1 40	29 57	6 20	22 47	22 34	22 1		n.a.
S 23	17 29	25 23	1 30	16 53	1 0	13 30	0 34	22 41	1 20	18 52	0 20	24 13	0 34	4 58	0 44	14 33	1 40	29 57	6 20	22 48	22 35	21 59		n.a.
M24	17 47	23 49	0 27	17 28	1 6	13 57	0 31	22 32	1 19	18 50	0 20	24 14	0 35	4 58	0 44	14 32	1 40	29 57	6 20	22 48	22 35	21 57		n.a.
T 25	18 4	21 12	0s36	18 1	1 11	14 24	0 29	22 22	1 17	18 48	0 20	24 14	0 35	4 59	0 44	14 32	1 40	29 57	6 20	22 48	22 36	21 55		n.a.
W26	18 20	17 42	1 38	18 35	1 16	14 50	0 27	22 13	1 16	18 46	0 20	24 14	0 35	4 59	0 44	14 32	1 40	29 57	6 20	22 48	22 36	21 53		n.a.
T 27	18 36	13 30	2 36	19 7	1 21	15 16	0 24	22 3	1 15	18 44	0 19	24 15	0 35	4 59	0 44	14 32	1 40	29 57	6 20	22 48	22 36	21 51		n.a.
F 28	18 52	8 43	3 27	19 38	1 26	15 42	0 22	21 53	1 14	18 42	0 19	24 15	0 35	5 0	0 44	14 32	1 40	29 57	6 20	22 48	22 37	21 49		n.a.
S 29	19 8	3 32	4 11	20 9	1 30	16 7	0 20	21 43	1 13	18 41	0 19	24 15	0 35	5 0	0 44	14 32	1 40	29 57	6 20	22 48	22 37	21 48		n.a.
S 30	19s23	1s55	4s44	20s38	1s35	16s32	0n17	21s32	1s12	18n39	0s19	24n15	0n36	5s 0	0s44	14n32	1n41	29s57	6s20	22s48	22s38	21n46		n.a.

Julian Day Number = 1109203.5, Delta T = 10h54m17s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'41, Lahiri = -27°04'40 Julian Calendar 1 Nov. 1677 BCE == Greg. Calendar 18 Oct. 1677 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1677 BCE
geocentric

DECEMBER 1677 BCE (-1676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 42 5	26♏ 4'28	6♎59	25♏35	16♏50	1♒27	23°R10	7°R35	19°R15	26♑23	21♐54	16°R45	18♉ 8	21♋57	n.a.	M 1
T 2	3 46 2	27° 5'43	20°21	27°13	18° 5	2° 9	23♉ 2	7♋32	19♓14	26°23	21°56	16♉38	18° 5	22° 3	n.a.	T 2
W 3	3 49 59	28° 6'58	4♏ 9	28°53	19°20	2°52	22°54	7°29	19°14	26°24	21°58	16°29	18° 2	22°10	n.a.	W 3
T 4	3 53 55	29° 8'12	18°20	0♐33	20°36	3°34	22°46	7°25	19°13	26°24	22° 0	16°21	17°59	22°16	n.a.	T 4
F 5	3 57 52	0♐ 9'26	2♐50	2°13	21°51	4°16	22°38	7°22	19°13	26°24	22° 1	16°14	17°56	22°23	n.a.	F 5
S 6	4 1 48	1°10'39	17°30	3°54	23° 7	4°58	22°30	7°19	19°13	26°25	22° 3	16° 9	17°52	22°30	n.a.	S 6
S 7	4 5 45	2°11'51	2♑15	5°35	24°22	5°41	22°22	7°15	19°12	26°25	22° 5	16° 6	17°49	22°36	n.a.	S 7
M 8	4 9 41	3°13'02	16°57	7°17	25°37	6°23	22°14	7°12	19°12	26°25	22° 7	16°D 5	17°46	22°43	n.a.	M 8
T 9	4 13 38	4°14'12	1♒30	8°59	26°53	7° 5	22° 6	7° 8	19°12	26°25	22° 8	16° 6	17°43	22°50	n.a.	T 9
W10	4 17 35	5°15'20	15°51	10°42	28° 8	7°47	21°59	7° 5	19°12	26°25	22°10	16° 7	17°40	22°56	n.a.	W10
T 11	4 21 31	6°16'28	29°56	12°26	29°23	8°30	21°51	7° 1	19°12	26°25	22°12	16°R 8	17°37	23° 3	n.a.	T 11
F 12	4 25 28	7°17'33	13♓46	14° 9	0♐38	9°12	21°43	6°57	19°D12	26°R25	22°14	16° 8	17°33	23°10	n.a.	F 12
S 13	4 29 24	8°18'38	27°20	15°53	1°54	9°54	21°36	6°53	19°12	26°25	22°15	16° 6	17°30	23°16	n.a.	S 13
S 14	4 33 21	9°19'41	10♈40	17°37	3° 9	10°36	21°29	6°49	19°12	26°25	22°17	16° 3	17°27	23°23	n.a.	S 14
M15	4 37 17	10°20'43	23°45	19°22	4°24	11°18	21°21	6°45	19°12	26°25	22°19	15°58	17°24	23°30	n.a.	M15
T 16	4 41 14	11°21'43	6♉38	21° 6	5°39	12° 1	21°14	6°41	19°12	26°25	22°21	15°52	17°21	23°36	n.a.	T 16
W17	4 45 10	12°22'42	19°18	22°51	6°55	12°43	21° 7	6°37	19°12	26°25	22°23	15°46	17°17	23°43	n.a.	W17
T 18	4 49 7	13°23'40	1♊46	24°35	8°10	13°25	21° 0	6°33	19°13	26°25	22°24	15°40	17°14	23°50	n.a.	T 18
F 19	4 53 4	14°24'36	14° 3	26°19	9°25	14° 7	20°53	6°29	19°13	26°24	22°26	15°35	17°11	23°56	n.a.	F 19
S 20	4 57 0	15°25'32	26° 9	28° 3	10°40	14°49	20°46	6°24	19°13	26°24	22°28	15°32	17° 8	24° 3	n.a.	S 20
S 21	5 0 57	16°26'26	8♋ 7	29°45	11°55	15°31	20°40	6°20	19°14	26°24	22°30	15°30	17° 5	24° 9	n.a.	S 21
M22	5 4 53	17°27'18	19°59	1♑27	13°10	16°13	20°33	6°16	19°14	26°24	22°32	15°D30	17° 2	24°16	n.a.	M22
T 23	5 8 50	18°28'10	1♌46	3° 7	14°26	16°55	20°27	6°11	19°15	26°23	22°34	15°31	16°58	24°23	n.a.	T 23
W24	5 12 46	19°29'00	13°33	4°46	15°41	17°37	20°20	6° 7	19°16	26°23	22°35	15°33	16°55	24°29	n.a.	W24
T 25	5 16 43	20°29'48	25°24	6°22	16°56	18°19	20°14	6° 2	19°16	26°22	22°37	15°35	16°52	24°36	n.a.	T 25
F 26	5 20 40	21°30'36	7♍23	7°55	18°11	19° 0	20° 8	5°58	19°17	26°22	22°39	15°36	16°49	24°43	n.a.	F 26
S 27	5 24 36	22°31'22	19°35	9°26	19°26	19°42	20° 2	5°53	19°18	26°21	22°41	15°R37	16°46	24°49	n.a.	S 27
S 28	5 28 33	23°32'07	2♎ 5	10°52	20°41	20°24	19°57	5°48	19°19	26°21	22°43	15°37	16°42	24°56	n.a.	S 28
M29	5 32 29	24°32'51	14°57	12°14	21°56	21° 6	19°51	5°44	19°19	26°20	22°45	15°35	16°39	25° 3	n.a.	M29
T 30	5 36 26	25°33'33	28°15	13°30	23°11	21°48	19°46	5°39	19°20	26°20	22°46	15°33	16°36	25° 9	n.a.	T 30
W31	5 40 22	26♐34'15	12♏ 0	14♑41	24♐26	22♒30	19♉41	5♋34	19♓21	26♑19	22♐48	15♑31	16♑33	25♋16	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19s38	7s27	5s 3	21s 7	1s39	16s56	0n15	21s22	1s11	18n37	0s19	24n16	0n36	5s 0	0s44	14n32	1n41	29s57	6s20	22s49	22s38	21n44		n.a.
T 2	19 53	12 49	5 7	21 34	1 42	17 20	0 13	21 11	1 10	18 35	0 19	24 16	0 36	5 0	0 44	14 32	1 41	29 57	6 20	22 50	22 39	21 42		n.a.
W 3	20 7	17 43	4 53	22 0	1 46	17 44	0 10	21 0	1 9	18 33	0 19	24 16	0 36	5 1	0 44	14 32	1 41	29 58	6 20	22 51	22 39	21 40		n.a.
T 4	20 21	21 47	4 21	22 25	1 49	18 7	0 8	20 49	1 8	18 31	0 18	24 17	0 36	5 1	0 44	14 32	1 41	29 58	6 20	22 52	22 39	21 38		n.a.
F 5	20 34	24 35	3 32	22 49	1 52	18 29	0 5	20 38	1 7	18 29	0 18	24 17	0 36	5 1	0 44	14 31	1 41	29 58	6 20	22 53	22 40	21 36		n.a.
S 6	20 47	25 45	2 28	23 12	1 54	18 51	0 3	20 26	1 6	18 27	0 18	24 17	0 36	5 1	0 44	14 31	1 41	29 58	6 20	22 54	22 40	21 34		n.a.
S 7	20 59	25 7	1 14	23 33	1 57	19 13	0 1	20 15	1 4	18 25	0 18	24 18	0 37	5 1	0 44	14 31	1 41	29 58	6 20	22 54	22 41	21 32		n.a.
M 8	21 12	22 43	0n 5	23 53	1 58	19 33	0s 2	20 3	1 3	18 23	0 18	24 18	0 37	5 1	0 44	14 31	1 41	29 58	6 20	22 54	22 41	21 30		n.a.
T 9	21 23	18 51	1 23	24 11	2 0	19 54	0 4	19 51	1 2	18 21	0 17	24 18	0 37	5 1	0 43	14 31	1 41	29 58	6 20	22 54	22 42	21 28		n.a.
W10	21 35	13 56	2 35	24 28	2 1	20 13	0 7	19 39	1 1	18 20	0 17	24 19	0 37	5 1	0 43	14 32	1 41	29 58	6 20	22 54	22 42	21 26		n.a.
T 11	21 46	8 21	3 36	24 43	2 1	20 33	0 9	19 27	1 0	18 18	0 17	24 19	0 37	5 1	0 43	14 32	1 41	29 59	6 20	22 54	22 42	21 24		n.a.
F 12	21 56	2 28	4 23	24 56	2 1	20 51	0 11	19 15	0 59	18 16	0 17	24 19	0 37	5 1	0 43	14 32	1 41	29 59	6 20	22 54	22 43	21 22		n.a.
S 13	22 6	3n25	4 55	25 8	2 1	21 9	0 14	19 2	0 58	18 14	0 17	24 20	0 37	5 1	0 43	14 32	1 41	29 59	6 20	22 54	22 43	21 20		n.a.
S 14	22 16	9 2	5 10	25 17	2 0	21 27	0 16	18 49	0 57	18 12	0 17	24 20	0 38	5 1	0 43	14 32	1 41	29 59	6 20	22 54	22 44	21 18		n.a.
M15	22 25	14 9	5 8	25 25	1 58	21 43	0 18	18 37	0 56	18 11	0 16	24 21	0 38	5 1	0 43	14 32	1 41	29 59	6 20	22 55	22 44	21 16		n.a.
T 16	22 34	18 33	4 51	25 31	1 56	21 59	0 21	18 24	0 55	18 9	0 16	24 21	0 38	5 1	0 43	14 32	1 42	29 59	6 20	22 56	22 45	21 14		n.a.
W17	22 42	22 2	4 20	25 35	1 53	22 15	0 23	18 11	0 54	18 7	0 16	24 21	0 38	5 1	0 43	14 32	1 42	29 59	6 20	22 56	22 45	21 12		n.a.
T 18	22 50	24 26	3 37	25 36	1 50	22 30	0 25	17 57	0 53	18 5	0 16	24 22	0 38	5 0	0 43	14 32	1 42	30 0	6 20	22 57	22 45	21 10		n.a.
F 19	22 58	25 38	2 44	25 36	1 46	22 44	0 27	17 44	0 52	18 4	0 16	24 22	0 38	5 0	0 43	14 32	1 42	30 0	6 20	22 58	22 46	21 8		n.a.
S 20	23 5	25 34	1 44	25 33	1 41	22 57	0 30	17 31	0 51	18 2	0 16	24 22	0 38	5 0	0 43	14 32	1 42	30 0	6 20	22 58	22 46	21 6		n.a.
S 21	23 11	24 19	0 40	25 29	1 35	23 10	0 32	17 17	0 50	18 0	0 15	24 23	0 39	5 0	0 43	14 33	1 42	30 0	6 20	22 58	22 47	21 4		n.a.
M22	23 17	21 58	0s25	25 22	1 29	23 22	0 34	17 3	0 49	17 59	0 15	24 23	0 39	5 0	0 43	14 33	1 42	30 0	6 20	22 58	22 47	21 2		n.a.
T 23	23 23	18 42	1 28	25 13	1 22	23 34	0 36	16 50	0 48	17 57	0 15	24 23	0 39	4 59	0 43	14 33	1 42	30 0	6 20	22 58	22 47	21 0		n.a.
W24	23 28	14 42	2 28	25 2	1 14	23 44	0 38	16 36	0 47	17 56	0 15	24 24	0 39	4 59	0 43	14 33	1 42	30 1	6 20	22 58	22 48	20 57		n.a.
T 25	23 33	10 7	3 22	24 49	1 5	23 54	0 40	16 22	0 46	17 54	0 15	24 24	0 39	4 59	0 43	14 33	1 42	30 1	6 21	22 58	22 48	20 55		n.a.
F 26	23 37	5 7	4 8	24 34	0 55	24 3	0 42	16 7	0 45	17 53	0 14	24 24	0 39	4 58	0 43	14 34	1 42	30 1	6 21	22 58	22 49	20 53		n.a.
S 27	23 40	0s 9	4 44	24 17	0 44	24 12	0 44	15 53	0 44	17 51	0 14	24 25	0 39	4 58	0 43	14 34	1 42	30 1	6 21	22 57	22 49	20 51		n.a.
S 28	23 44	5 31	5 7	23 59	0 33	24 20	0 46	15 39	0 43	17 50	0 14	24 25	0 39	4 58	0 43	14 34	1 42	30 1	6 21	22 57	22 49	20 49		n.a.
M29	23 47	10 50	5 16	23 39	0 20	24 27	0 48	15 24	0 43	17 49	0 14	24 25	0 40	4 57	0 43	14 34	1 42	30 1	6 21	22 58	22 50	20 47		n.a.
T 30	23 49	15 50	5 8	23 19	0 7	24 33	0 50	15 10	0 42	17 47	0 14	24 26	0 40	4 57	0 43	14 35	1 42	30 2	6 21	22 58	22 50	20 45		n.a.
W31	23s51	20s12	4s43	22s57	0n 7	24s38	0s52	14s55	0s41	17n46	0s14	24n26	0n40	4s56	0s43	14n35	1n42	30s 2	6s21	22s58	22s51	20n43		n.a.

Julian Day Number = 1109233.5, Delta T = 10h54m15s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'37, Lahiri = -27°04'36 Julian Calendar 1 Dec. 1677 BCE == Greg. Calendar 17 Nov. 1677 BCE

The year -1676 astronomical counting style corresponds to year 1677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

JANUARY 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 44 19	27♐34'54	26♏12	15♉45	25♐41	23♒11	19°R36	5°R30	19♓22	26°R19	22♐50	15°R28	16♉30	25♋23	n.a.	T 1
F 2	5 48 15	28°35'32	10♐48	16°42	26°56	23°53	19♉31	5♋25	19°23	26♎18	22°52	15♉26	16°27	25°29	n.a.	F 2
S 3	5 52 12	29°36'09	25°42	17°30	28°11	24°35	19°26	5°20	19°25	26°17	22°54	15°24	16°23	25°36	n.a.	S 3
S 4	5 56 9	0♉36'44	10♉46	18°10	29°26	25°16	19°21	5°15	19°26	26°17	22°56	15°D24	16°20	25°43	n.a.	S 4
M 5	6 0 5	1°37'17	25°51	18°41	0♉41	25°58	19°17	5°10	19°27	26°16	22°57	15°24	16°17	25°49	n.a.	M 5
T 6	6 4 2	2°37'48	10♒49	19° 2	1°56	26°40	19°13	5° 6	19°28	26°15	22°59	15°24	16°14	25°56	n.a.	T 6
W 7	6 7 58	3°38'17	25°31	19°12	3°11	27°21	19° 9	5° 1	19°30	26°14	23° 1	15°25	16°11	26° 3	n.a.	W 7
T 8	6 11 55	4°38'44	9♓54	19°R13	4°26	28° 3	19° 5	4°56	19°31	26°13	23° 3	15°26	16° 8	26° 9	n.a.	T 8
F 9	6 15 51	5°39'09	23°54	19° 3	5°41	28°44	19° 1	4°51	19°32	26°12	23° 5	15°27	16° 4	26°16	n.a.	F 9
S 10	6 19 48	6°39'32	7♈31	18°44	6°56	29°26	18°58	4°46	19°34	26°12	23° 7	15°R27	16° 1	26°22	n.a.	S 10
S 11	6 23 44	7°39'52	20°46	18°14	8°11	0♓ 7	18°55	4°42	19°35	26°11	23° 8	15°27	15°58	26°29	n.a.	S 11
M12	6 27 41	8°40'10	3♉41	17°37	9°26	0°49	18°52	4°37	19°37	26°10	23°10	15°26	15°55	26°36	n.a.	M12
T 13	6 31 38	9°40'26	16°19	16°51	10°40	1°30	18°49	4°32	19°38	26° 9	23°12	15°26	15°52	26°42	n.a.	T 13
W14	6 35 34	10°40'40	28°43	15°59	11°55	2°12	18°46	4°27	19°40	26° 8	23°14	15°25	15°48	26°49	n.a.	W14
T 15	6 39 31	11°40'52	10♊55	15° 2	13°10	2°53	18°43	4°22	19°42	26° 7	23°15	15°24	15°45	26°56	n.a.	T 15
F 16	6 43 27	12°41'02	22°58	14° 1	14°25	3°34	18°41	4°18	19°44	26° 6	23°17	15°24	15°42	27° 2	n.a.	F 16
S 17	6 47 24	13°41'09	4♋54	12°58	15°40	4°16	18°39	4°13	19°45	26° 4	23°19	15°24	15°39	27° 9	n.a.	S 17
S 18	6 51 20	14°41'15	16°45	11°54	16°54	4°57	18°37	4° 8	19°47	26° 3	23°21	15°D24	15°36	27°16	n.a.	S 18
M19	6 55 17	15°41'18	28°33	10°52	18° 9	5°38	18°35	4° 4	19°49	26° 2	23°22	15°R24	15°33	27°22	n.a.	M19
T 20	6 59 13	16°41'20	10♌21	9°51	19°24	6°20	18°34	3°59	19°51	26° 1	23°24	15°24	15°29	27°29	n.a.	T 20
W21	7 3 10	17°41'19	22°11	8°54	20°39	7° 1	18°32	3°54	19°53	26° 0	23°26	15°24	15°26	27°36	n.a.	W21
T 22	7 7 7	18°41'17	4♍ 6	8° 2	21°53	7°42	18°31	3°50	19°55	25°59	23°28	15°23	15°23	27°42	n.a.	T 22
F 23	7 11 3	19°41'12	16° 8	7°15	23° 8	8°23	18°30	3°45	19°57	25°57	23°29	15°23	15°20	27°49	n.a.	F 23
S 24	7 15 0	20°41'06	28°22	6°34	24°23	9° 4	18°30	3°41	19°59	25°56	23°31	15°22	15°17	27°56	n.a.	S 24
S 25	7 18 56	21°40'58	10♎50	5°59	25°37	9°45	18°29	3°36	20° 1	25°55	23°33	15°22	15°14	28° 2	n.a.	S 25
M26	7 22 53	22°40'48	23°38	5°31	26°52	10°26	18°29	3°32	20° 3	25°54	23°34	15°D22	15°10	28° 9	n.a.	M26
T 27	7 26 49	23°40'36	6♏48	5° 9	28° 6	11° 7	18°D28	3°27	20° 6	25°52	23°36	15°22	15° 7	28°15	n.a.	T 27
W28	7 30 46	24°40'22	20°23	4°54	29°21	11°48	18°28	3°23	20° 8	25°51	23°38	15°22	15° 4	28°22	n.a.	W28
T 29	7 34 42	25°40'07	4♐24	4°46	0♒36	12°29	18°29	3°19	20°10	25°50	23°39	15°23	15° 1	28°29	n.a.	T 29
F 30	7 38 39	26°39'49	18°51	4°D44	1°50	13°10	18°29	3°15	20°12	25°48	23°41	15°24	14°58	28°35	n.a.	F 30
S 31	7 42 36	27♉39'30	3♉41	4♉48	3♒ 5	13♓51	18♉30	3♋10	20♓15	25♌47	23♐42	15♉25	14♉54	28♋42	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23 s52	23 s33	4 s 0	22 s35	0n22	24 s43	0 s54	14 s40	0 s40	17n45	0 s13	24n26	0n40	4 s56	0 s43	14n35	1n43	30 s 2	6 s21	22 s58	22 s51	20n41		n.a.
F 2	23 53	25 27	3 0	22 12	0 38	24 47	0 56	14 25	0 39	17 44	0 13	24 27	0 40	4 56	0 42	14 35	1 43	30 2	6 21	22 59	22 51	20 39		n.a.
S 3	23 53	25 36	1 47	21 50	0 54	24 50	0 57	14 10	0 38	17 43	0 13	24 27	0 40	4 55	0 42	14 36	1 43	30 2	6 21	22 59	22 52	20 37		n.a.
S 4	23 53	23 52	0 26	21 28	1 10	24 53	0 59	13 55	0 37	17 41	0 13	24 27	0 40	4 55	0 42	14 36	1 43	30 3	6 21	22 59	22 52	20 35		n.a.
M 5	23 53	20 26	0n58	21 7	1 27	24 54	1 1	13 40	0 36	17 40	0 13	24 28	0 40	4 54	0 42	14 36	1 43	30 3	6 21	22 59	22 53	20 32		n.a.
T 6	23 52	15 40	2 16	20 47	1 44	24 55	1 2	13 25	0 35	17 39	0 12	24 28	0 40	4 53	0 42	14 37	1 43	30 3	6 21	22 59	22 53	20 30		n.a.
W 7	23 50	10 3	3 25	20 29	2 1	24 55	1 4	13 9	0 34	17 38	0 12	24 28	0 41	4 53	0 42	14 37	1 43	30 3	6 22	22 59	22 53	20 28		n.a.
T 8	23 48	4 1	4 19	20 12	2 18	24 54	1 6	12 54	0 33	17 38	0 12	24 28	0 41	4 52	0 42	14 37	1 43	30 3	6 22	22 59	22 54	20 26		n.a.
F 9	23 46	2n 2	4 55	19 58	2 34	24 53	1 7	12 38	0 32	17 37	0 12	24 29	0 41	4 52	0 42	14 38	1 43	30 4	6 22	22 59	22 54	20 24		n.a.
S 10	23 43	7 50	5 15	19 45	2 50	24 51	1 8	12 23	0 32	17 36	0 12	24 29	0 41	4 51	0 42	14 38	1 43	30 4	6 22	22 59	22 55	20 22		n.a.
S 11	23 40	13 7	5 16	19 35	3 4	24 48	1 10	12 7	0 31	17 35	0 12	24 29	0 41	4 50	0 42	14 38	1 43	30 4	6 22	22 59	22 55	20 20		n.a.
M12	23 36	17 41	5 2	19 27	3 17	24 44	1 11	11 51	0 30	17 35	0 11	24 30	0 41	4 50	0 42	14 39	1 43	30 4	6 22	22 59	22 55	20 18		n.a.
T 13	23 32	21 22	4 33	19 22	3 28	24 39	1 12	11 35	0 29	17 34	0 11	24 30	0 41	4 49	0 42	14 39	1 43	30 4	6 22	22 59	22 56	20 15		n.a.
W14	23 27	24 0	3 52	19 18	3 38	24 34	1 14	11 19	0 28	17 33	0 11	24 30	0 41	4 48	0 42	14 40	1 43	30 5	6 22	22 59	22 56	20 13		n.a.
T 15	23 22	25 29	3 0	19 17	3 46	24 28	1 15	11 3	0 27	17 33	0 11	24 30	0 41	4 48	0 42	14 40	1 43	30 5	6 22	22 59	22 56	20 11		n.a.
F 16	23 16	25 43	2 2	19 18	3 51	24 21	1 16	10 47	0 26	17 32	0 11	24 31	0 41	4 47	0 42	14 40	1 43	30 5	6 23	22 59	22 57	20 9		n.a.
S 17	23 10	24 46	0 58	19 21	3 54	24 13	1 17	10 31	0 25	17 32	0 10	24 31	0 42	4 46	0 42	14 41	1 43	30 5	6 23	22 59	22 57	20 7		n.a.
S 18	23 4	22 42	0 s 7	19 26	3 55	24 5	1 18	10 15	0 25	17 32	0 10	24 31	0 42	4 45	0 42	14 41	1 43	30 5	6 23	22 59	22 58	20 5		n.a.
M19	22 57	19 39	1 13	19 33	3 54	23 56	1 19	9 59	0 24	17 31	0 10	24 31	0 42	4 45	0 42	14 42	1 44	30 6	6 23	22 59	22 58	20 3		n.a.
T 20	22 50	15 49	2 14	19 40	3 51	23 46	1 20	9 43	0 23	17 31	0 10	24 32	0 42	4 44	0 42	14 42	1 44	30 6	6 23	22 59	22 58	20 0		n.a.
W21	22 42	11 23	3 11	19 49	3 46	23 36	1 21	9 26	0 22	17 31	0 10	24 32	0 42	4 43	0 42	14 43	1 44	30 6	6 23	22 59	22 59	19 58		n.a.
T 22	22 34	6 29	3 59	19 59	3 40	23 25	1 21	9 10	0 21	17 31	0 10	24 32	0 42	4 42	0 42	14 43	1 44	30 6	6 23	22 59	22 59	19 56		n.a.
F 23	22 25	1 19	4 37	20 10	3 32	23 13	1 22	8 54	0 20	17 30	0 9	24 32	0 42	4 41	0 42	14 44	1 44	30 7	6 24	22 59	22 59	19 54		n.a.
S 24	22 16	3 s58	5 4	20 22	3 22	23 0	1 23	8 37	0 20	17 30	0 9	24 32	0 42	4 41	0 42	14 44	1 44	30 7	6 24	22 59	23 0	19 52		n.a.
S 25	22 6	9 12	5 17	20 34	3 12	22 47	1 23	8 21	0 19	17 30	0 9	24 33	0 42	4 40	0 42	14 45	1 44	30 7	6 24	22 59	23 0	19 49		n.a.
M26	21 57	14 11	5 14	20 46	3 0	22 33	1 24	8 4	0 18	17 30	0 9	24 33	0 42	4 39	0 42	14 45	1 44	30 7	6 24	22 59	23 1	19 47		n.a.
T 27	21 46	18 41	4 56	20 59	2 48	22 18	1 24	7 48	0 17	17 31	0 9	24 33	0 42	4 38	0 42	14 45	1 44	30 8	6 24	22 59	23 1	19 45		n.a.
W28	21 36	22 21	4 20	21 12	2 36	22 3	1 25	7 31	0 16	17 31	0 9	24 33	0 42	4 37	0 42	14 46	1 44	30 8	6 24	22 59	23 1	19 43		n.a.
T 29	21 25	24 50	3 29	21 26	2 23	21 47	1 25	7 14	0 16	17 31	0 8	24 33	0 42	4 36	0 41	14 46	1 44	30 8	6 24	22 59	23 2	19 41		n.a.
F 30	21 13	25 46	2 22	21 39	2 10	21 30	1 25	6 58	0 15	17 31	0 8	24 34	0 43	4 35	0 41	14 47	1 44	30 8	6 25	22 59	23 2	19 38		n.a.
S 31	21 s 1	24 s55	1 s 5	21 s52	1n56	21 s13	1 s25	6 s41	0 s14	17n32	0 s 8	24n34	0n43	4 s34	0 s41	14n48	1n44	30 s 9	6 s25	22 s59	23 s 2	19n36		n.a.

Julian Day Number = 1109264.5, Delta T = 10h54m13s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'32, Lahiri = -27°04'32 Julian Calendar 1 Jan. 1676 BCE == Greg. Calendar 18 Dec. 1677 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

FEBRUARY 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 46 32	28♉39'08	18♉47	4♉58	4♒19	14♓32	18♉31	3°R 6	20♓17	25°R45	23♐44	15°R25	14♉51	28♋49	n.a.	S 1
M 2	7 50 29	29°38'45	4♒ 0	5°13	5°34	15°13	18°32	3♋ 2	20°20	25♌44	23°45	15♉25	14°48	28°55	n.a.	M 2
T 3	7 54 25	0♒38'19	19°11	5°34	6°48	15°54	18°33	2°58	20°22	25°43	23°47	15°23	14°45	29° 2	n.a.	T 3
W 4	7 58 22	1°37'51	4♓11	5°59	8° 3	16°34	18°34	2°54	20°25	25°41	23°49	15°21	14°42	29° 9	n.a.	W 4
T 5	8 2 18	2°37'20	18°50	6°29	9°17	17°15	18°36	2°50	20°27	25°40	23°50	15°19	14°39	29°15	n.a.	T 5
F 6	8 6 15	3°36'47	3♈ 5	7° 4	10°32	17°56	18°37	2°47	20°30	25°38	23°52	15°17	14°35	29°22	n.a.	F 6
S 7	8 10 11	4°36'12	16°52	7°42	11°46	18°36	18°39	2°43	20°32	25°37	23°53	15°15	14°32	29°29	n.a.	S 7
S 8	8 14 8	5°35'34	0♉13	8°25	13° 0	19°17	18°42	2°39	20°35	25°35	23°54	15°D15	14°29	29°35	n.a.	S 8
M 9	8 18 4	6°34'53	13° 8	9°11	14°15	19°58	18°44	2°36	20°38	25°34	23°56	15°15	14°26	29°42	n.a.	M 9
T 10	8 22 1	7°34'10	25°41	10° 0	15°29	20°38	18°46	2°32	20°40	25°32	23°57	15°15	14°23	29°49	n.a.	T 10
W11	8 25 58	8°33'25	7♊58	10°53	16°44	21°19	18°49	2°29	20°43	25°31	23°59	15°17	14°20	29°55	n.a.	W11
T 12	8 29 54	9°32'37	20° 1	11°49	17°58	21°59	18°52	2°25	20°46	25°29	24° 0	15°19	14°16	0♌ 2	n.a.	T 12
F 13	8 33 51	10°31'47	1♋55	12°47	19°12	22°40	18°55	2°22	20°49	25°28	24° 2	15°20	14°13	0° 9	n.a.	F 13
S 14	8 37 47	11°30'54	13°45	13°49	20°26	23°20	18°58	2°19	20°52	25°26	24° 3	15°R21	14°10	0°15	n.a.	S 14
S 15	8 41 44	12°29'59	25°32	14°53	21°41	24° 1	19° 2	2°16	20°54	25°24	24° 4	15°20	14° 7	0°22	n.a.	S 15
M16	8 45 40	13°29'02	7♌20	15°59	22°55	24°41	19° 5	2°13	20°57	25°23	24° 6	15°19	14° 4	0°29	n.a.	M16
T 17	8 49 37	14°28'02	19°11	17° 8	24° 9	25°22	19° 9	2°10	21° 0	25°21	24° 7	15°15	14° 0	0°35	n.a.	T 17
W18	8 53 33	15°27'01	1♍ 7	18°19	25°23	26° 2	19°13	2° 7	21° 3	25°20	24° 8	15°11	13°57	0°42	n.a.	W18
T 19	8 57 30	16°25'57	13°10	19°32	26°37	26°42	19°17	2° 4	21° 6	25°18	24° 9	15° 5	13°54	0°48	n.a.	T 19
F 20	9 1 26	17°24'51	25°21	20°47	27°52	27°23	19°21	2° 2	21° 9	25°16	24°11	15° 0	13°51	0°55	n.a.	F 20
S 21	9 5 23	18°23'43	7♎43	22° 4	29° 6	28° 3	19°26	1°59	21°12	25°15	24°12	14°54	13°48	1° 2	n.a.	S 21
S 22	9 9 20	19°22'33	20°17	23°23	0♓20	28°43	19°30	1°57	21°15	25°13	24°13	14°50	13°45	1° 8	n.a.	S 22
M23	9 13 16	20°21'21	3♏ 7	24°44	1°34	29°23	19°35	1°54	21°18	25°11	24°14	14°47	13°41	1°15	n.a.	M23
T 24	9 17 13	21°20'08	16°14	26° 7	2°48	0♈ 3	19°40	1°52	21°21	25°10	24°15	14°D46	13°38	1°22	n.a.	T 24
W25	9 21 9	22°18'52	29°41	27°32	4° 2	0°44	19°45	1°50	21°24	25° 8	24°16	14°46	13°35	1°28	n.a.	W25
T 26	9 25 6	23°17'35	13♐31	28°58	5°16	1°24	19°51	1°47	21°27	25° 7	24°18	14°47	13°32	1°35	n.a.	T 26
F 27	9 29 2	24°16'16	27°43	0♒26	6°30	2° 4	19°56	1°45	21°31	25° 5	24°19	14°48	13°29	1°42	n.a.	F 27
S 28	9 32 59	25♒14'55	12♉17	1♒56	7♓44	2♈44	20♉ 2	1♋44	21♓34	25♌ 3	24♐20	14°R49	13♉26	1♌48	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s49	22s14	0n19	22s 5	1n43	20s55	1s25	6s24	0s13	17n32	0s 8	24n34	0n43	4s33	0s41	14n48	1n44	30s 9	6s25	22s59	23s 3	19n34		n.a.
M 2	20 36	17 59	1 41	22 17	1 30	20 37	1 26	6 7	0 12	17 32	0 8	24 34	0 43	4 32	0 41	14 49	1 44	30 9	6 25	22 59	23 3	19 32		n.a.
T 3	20 24	12 34	2 56	22 30	1 17	20 18	1 26	5 51	0 12	17 33	0 8	24 34	0 43	4 31	0 41	14 49	1 44	30 9	6 25	22 59	23 3	19 30		n.a.
W 4	20 10	6 28	3 58	22 41	1 4	19 58	1 26	5 34	0 11	17 33	0 7	24 34	0 43	4 30	0 41	14 50	1 44	30 10	6 25	22 59	23 4	19 27		n.a.
T 5	19 57	0 10	4 43	22 53	0 51	19 38	1 25	5 17	0 10	17 34	0 7	24 35	0 43	4 29	0 41	14 50	1 44	30 10	6 26	23 0	23 4	19 25		n.a.
F 6	19 43	5n57	5 9	23 3	0 39	19 18	1 25	5 0	0 9	17 35	0 7	24 35	0 43	4 28	0 41	14 51	1 44	30 10	6 26	23 0	23 4	19 23		n.a.
S 7	19 28	11 36	5 16	23 13	0 27	18 56	1 25	4 43	0 9	17 35	0 7	24 35	0 43	4 27	0 41	14 51	1 44	30 10	6 26	23 0	23 5	19 21		n.a.
S 8	19 14	16 30	5 6	23 22	0 15	18 35	1 25	4 26	0 8	17 36	0 7	24 35	0 43	4 26	0 41	14 52	1 44	30 11	6 26	23 0	23 5	19 18		n.a.
M 9	18 59	20 30	4 40	23 30	0 4	18 12	1 24	4 9	0 7	17 37	0 7	24 35	0 43	4 25	0 41	14 52	1 44	30 11	6 26	23 0	23 6	19 16		n.a.
T 10	18 43	23 26	4 1	23 38	0s 7	17 50	1 24	3 52	0 6	17 38	0 6	24 35	0 43	4 23	0 41	14 53	1 44	30 11	6 27	23 0	23 6	19 14		n.a.
W11	18 28	25 12	3 12	23 44	0 18	17 26	1 23	3 36	0 6	17 39	0 6	24 35	0 43	4 22	0 41	14 53	1 44	30 11	6 27	23 0	23 6	19 12		n.a.
T 12	18 12	25 45	2 15	23 49	0 28	17 3	1 23	3 19	0 5	17 40	0 6	24 35	0 43	4 21	0 41	14 54	1 44	30 12	6 27	23 0	23 7	19 9		n.a.
F 13	17 56	25 6	1 13	23 53	0 38	16 39	1 22	3 2	0 4	17 41	0 6	24 36	0 43	4 20	0 41	14 55	1 44	30 12	6 27	22 59	23 7	19 7		n.a.
S 14	17 39	23 19	0 9	23 56	0 47	16 14	1 22	2 45	0 3	17 42	0 6	24 36	0 43	4 19	0 41	14 55	1 44	30 12	6 27	22 59	23 7	19 5		n.a.
S 15	17 22	20 31	0s56	23 58	0 56	15 49	1 21	2 28	0 3	17 43	0 6	24 36	0 43	4 18	0 41	14 56	1 45	30 12	6 28	22 59	23 8	19 3		n.a.
M16	17 5	16 53	1 58	23 59	1 5	15 24	1 20	2 11	0 2	17 44	0 6	24 36	0 44	4 17	0 41	14 56	1 45	30 13	6 28	23 0	23 8	19 0		n.a.
T 17	16 48	12 35	2 55	23 58	1 13	14 58	1 19	1 54	0 1	17 45	0 5	24 36	0 44	4 15	0 41	14 57	1 45	30 13	6 28	23 0	23 8	18 58		n.a.
W18	16 30	7 47	3 45	23 56	1 20	14 31	1 18	1 37	0 1	17 46	0 5	24 36	0 44	4 14	0 41	14 57	1 45	30 13	6 28	23 0	23 9	18 56		n.a.
T 19	16 12	2 40	4 25	23 53	1 27	14 5	1 17	1 20	0n 0	17 48	0 5	24 36	0 44	4 13	0 41	14 58	1 45	30 13	6 28	23 1	23 9	18 54		n.a.
F 20	15 54	2s36	4 54	23 48	1 34	13 38	1 16	1 3	0 1	17 49	0 5	24 36	0 44	4 12	0 41	14 59	1 45	30 14	6 29	23 2	23 9	18 51		n.a.
S 21	15 36	7 50	5 9	23 42	1 40	13 10	1 15	0 46	0 1	17 50	0 5	24 36	0 44	4 11	0 41	14 59	1 45	30 14	6 29	23 2	23 10	18 49		n.a.
S 22	15 17	12 51	5 10	23 34	1 46	12 43	1 14	0 29	0 2	17 52	0 5	24 36	0 44	4 9	0 41	15 0	1 45	30 14	6 29	23 3	23 10	18 47		n.a.
M23	14 58	17 24	4 56	23 25	1 52	12 15	1 13	0 12	0 3	17 53	0 5	24 36	0 44	4 8	0 41	15 0	1 45	30 15	6 29	23 3	23 10	18 44		n.a.
T 24	14 39	21 15	4 26	23 14	1 56	11 47	1 11	0n 5	0 4	17 55	0 4	24 36	0 44	4 7	0 41	15 1	1 45	30 15	6 29	23 3	23 11	18 42		n.a.
W25	14 20	24 4	3 41	23 1	2 1	11 18	1 10	0 21	0 4	17 56	0 4	24 37	0 44	4 6	0 41	15 1	1 45	30 15	6 30	23 3	23 11	18 40		n.a.
T 26	14 1	25 32	2 42	22 47	2 5	10 49	1 9	0 38	0 5	17 58	0 4	24 37	0 44	4 4	0 41	15 2	1 45	30 15	6 30	23 3	23 11	18 37		n.a.
F 27	13 41	25 24	1 32	22 31	2 8	10 20	1 7	0 55	0 6	18 0	0 4	24 37	0 44	4 3	0 41	15 3	1 45	30 16	6 30	23 3	23 12	18 35		n.a.
S 28	13s21	23s32	0s14	22s14	2s11	9s50	1s 6	1n12	0n 6	18n 1	0s 4	24n37	0n44	4s 2	0s41	15n 3	1n45	30s16	6s30	23s 3	23s12	18n33		n.a.

Julian Day Number = 1109295.5, Delta T = 10h54m11s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'28, Lahiri = -27°04'28 Julian Calendar 1 Feb. 1676 BCE == Greg. Calendar 18 Jan. 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

MARCH 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 36 55	26♒13'32	27♉ 8	3♒27	8♓58	3♈24	20♉ 7	1°R42	21♓37	25°R 2	24♐21	14°R48	13♉22	1♌55	n.a.	S 1
M 2	9 40 52	27°12'07	12♒12	5° 0	10°12	4° 4	20°13	1♋40	21°40	25♌ 0	24°22	14♉46	13°19	2° 2	n.a.	M 2
T 3	9 44 49	28°10'41	27°19	6°35	11°26	4°44	20°19	1°38	21°43	24°58	24°23	14°42	13°16	2° 8	n.a.	T 3
W 4	9 48 45	29° 9'12	12♓21	8°11	12°40	5°24	20°26	1°37	21°47	24°57	24°24	14°35	13°13	2°15	n.a.	W 4
T 5	9 52 42	0♓ 7'41	27° 6	9°50	13°53	6° 4	20°32	1°35	21°50	24°55	24°25	14°28	13°10	2°22	n.a.	T 5
F 6	9 56 38	1° 6'07	11♈29	11°29	15° 7	6°44	20°38	1°34	21°53	24°53	24°26	14°21	13° 6	2°28	n.a.	F 6
S 7	10 0 35	2° 4'32	25°25	13°10	16°21	7°23	20°45	1°33	21°56	24°52	24°26	14°15	13° 3	2°35	n.a.	S 7
S 8	10 4 31	3° 2'54	8♉53	14°53	17°35	8° 3	20°52	1°32	22° 0	24°50	24°27	14°11	13° 0	2°42	n.a.	S 8
M 9	10 8 28	4° 1'14	21°52	16°38	18°49	8°43	20°59	1°31	22° 3	24°49	24°28	14° 8	12°57	2°48	n.a.	M 9
T 10	10 12 24	4°59'32	4♊28	18°24	20° 2	9°23	21° 6	1°30	22° 6	24°47	24°29	14°D 7	12°54	2°55	n.a.	T 10
W11	10 16 21	5°57'48	16°44	20°12	21°16	10° 3	21°13	1°29	22°10	24°45	24°30	14° 8	12°51	3° 2	n.a.	W11
T 12	10 20 17	6°56'01	28°45	22° 1	22°30	10°42	21°20	1°28	22°13	24°44	24°31	14° 9	12°47	3° 8	n.a.	T 12
F 13	10 24 14	7°54'13	10♋37	23°53	23°43	11°22	21°28	1°28	22°16	24°42	24°31	14°R10	12°44	3°15	n.a.	F 13
S 14	10 28 11	8°52'22	22°24	25°45	24°57	12° 2	21°36	1°27	22°20	24°41	24°32	14° 9	12°41	3°22	n.a.	S 14
S 15	10 32 7	9°50'29	4♌11	27°40	26°11	12°41	21°43	1°27	22°23	24°39	24°33	14° 7	12°38	3°28	n.a.	S 15
M16	10 36 4	10°48'34	16° 2	29°36	27°24	13°21	21°51	1°27	22°27	24°37	24°33	14° 3	12°35	3°35	n.a.	M16
T 17	10 40 0	11°46'37	27°58	1♓34	28°38	14° 1	21°59	1°26	22°30	24°36	24°34	13°56	12°32	3°41	n.a.	T 17
W18	10 43 57	12°44'38	10♍ 3	3°33	29°51	14°40	22° 7	1°D26	22°33	24°34	24°35	13°47	12°28	3°48	n.a.	W18
T 19	10 47 53	13°42'37	22°18	5°34	1♈ 5	15°20	22°16	1°26	22°37	24°33	24°35	13°36	12°25	3°55	n.a.	T 19
F 20	10 51 50	14°40'35	4♎43	7°37	2°18	15°59	22°24	1°27	22°40	24°31	24°36	13°25	12°22	4° 1	n.a.	F 20
S 21	10 55 46	15°38'31	17°20	9°41	3°32	16°39	22°32	1°27	22°44	24°30	24°36	13°15	12°19	4° 8	n.a.	S 21
S 22	10 59 43	16°36'25	0♏ 8	11°46	4°45	17°18	22°41	1°27	22°47	24°28	24°37	13° 5	12°16	4°15	n.a.	S 22
M23	11 3 39	17°34'18	13° 9	13°53	5°59	17°58	22°50	1°28	22°51	24°27	24°37	12°58	12°12	4°21	n.a.	M23
T 24	11 7 36	18°32'09	26°23	16° 0	7°12	18°37	22°59	1°28	22°54	24°25	24°38	12°54	12° 9	4°28	n.a.	T 24
W25	11 11 33	19°29'59	9♐52	18° 9	8°25	19°16	23° 8	1°29	22°57	24°24	24°38	12°52	12° 6	4°35	n.a.	W25
T 26	11 15 29	20°27'48	23°36	20°18	9°39	19°56	23°17	1°30	23° 1	24°22	24°39	12°D52	12° 3	4°41	n.a.	T 26
F 27	11 19 26	21°25'35	7♑37	22°28	10°52	20°35	23°26	1°31	23° 4	24°21	24°39	12°R52	12° 0	4°48	n.a.	F 27
S 28	11 23 22	22°23'21	21°54	24°38	12° 5	21°14	23°35	1°32	23° 8	24°20	24°39	12°52	11°57	4°55	n.a.	S 28
S 29	11 27 19	23°21'06	6♒26	26°48	13°18	21°54	23°44	1°33	23°11	24°18	24°40	12°50	11°53	5° 1	n.a.	S 29
M30	11 31 15	24°18'49	21°10	28°58	14°31	22°33	23°54	1°34	23°15	24°17	24°40	12°46	11°50	5° 8	n.a.	M30
T 31	11 35 12	25♓16'31	5♓58	1♈ 7	15♈45	23♈12	24♉ 4	1♋35	23♓18	24♌15	24♐40	12♉39	11♉47	5♌15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13s 1	20s 2	1n 7	21s55	2s14	9s21	1s 4	1n29	0n 7	18n 3	0s 4	24n37	0n44	4s 0	0s41	15n 4	1n45	30s16	6s31	23s 3	23s12	18n31			n.a.
M 2	12 40	15 10	2 23	21 34	2 16	8 51	1 3	1 46	0 7	18 5	0 4	24 37	0 44	3 59	0 41	15 4	1 45	30 16	6 31	23 3	23 13	18 28			n.a.
T 3	12 20	9 21	3 30	21 11	2 17	8 21	1 1	2 2	0 8	18 6	0 3	24 37	0 44	3 58	0 41	15 5	1 45	30 17	6 31	23 4	23 13	18 26			n.a.
W 4	11 59	3 2	4 22	20 47	2 18	7 50	0 59	2 19	0 9	18 8	0 3	24 37	0 44	3 56	0 41	15 5	1 45	30 17	6 31	23 4	23 13	18 24			n.a.
T 5	11 38	3n19	4 55	20 20	2 18	7 20	0 57	2 36	0 9	18 10	0 3	24 37	0 44	3 55	0 41	15 6	1 45	30 17	6 31	23 5	23 14	18 21			n.a.
F 6	11 17	9 20	5 8	19 52	2 18	6 49	0 56	2 52	0 10	18 12	0 3	24 37	0 44	3 54	0 41	15 7	1 45	30 18	6 32	23 6	23 14	18 19			n.a.
S 7	10 56	14 41	5 3	19 22	2 18	6 18	0 54	3 9	0 11	18 14	0 3	24 37	0 44	3 52	0 41	15 7	1 45	30 18	6 32	23 7	23 14	18 17			n.a.
S 8	10 35	19 8	4 41	18 51	2 17	5 47	0 52	3 26	0 11	18 16	0 3	24 37	0 44	3 51	0 41	15 8	1 45	30 18	6 32	23 7	23 14	18 14			n.a.
M 9	10 13	22 30	4 5	18 17	2 15	5 16	0 50	3 42	0 12	18 18	0 3	24 37	0 44	3 50	0 41	15 8	1 45	30 18	6 32	23 7	23 15	18 12			n.a.
T 10	9 51	24 40	3 17	17 42	2 13	4 45	0 48	3 59	0 13	18 20	0 2	24 37	0 44	3 48	0 41	15 9	1 45	30 19	6 33	23 8	23 15	18 10			n.a.
W11	9 30	25 35	2 22	17 4	2 10	4 13	0 46	4 15	0 13	18 22	0 2	24 37	0 44	3 47	0 40	15 9	1 45	30 19	6 33	23 8	23 15	18 7			n.a.
T 12	9 8	25 15	1 22	16 25	2 7	3 42	0 44	4 32	0 14	18 24	0 2	24 37	0 44	3 46	0 40	15 10	1 45	30 19	6 33	23 7	23 16	18 5			n.a.
F 13	8 46	23 46	0 19	15 44	2 3	3 10	0 42	4 48	0 14	18 26	0 2	24 37	0 44	3 44	0 40	15 10	1 45	30 19	6 33	23 7	23 16	18 2			n.a.
S 14	8 24	21 16	0s44	15 2	1 58	2 39	0 39	5 4	0 15	18 28	0 2	24 37	0 44	3 43	0 40	15 11	1 45	30 20	6 34	23 7	23 16	18 0			n.a.
S 15	8 1	17 52	1 45	14 17	1 54	2 7	0 37	5 21	0 16	18 31	0 2	24 37	0 44	3 42	0 40	15 12	1 45	30 20	6 34	23 8	23 17	17 58			n.a.
M16	7 39	13 45	2 42	13 30	1 48	1 35	0 35	5 37	0 16	18 33	0 2	24 37	0 44	3 40	0 40	15 12	1 45	30 20	6 34	23 8	23 17	17 55			n.a.
T 17	7 17	9 5	3 32	12 42	1 42	1 3	0 33	5 53	0 17	18 35	0 2	24 37	0 44	3 39	0 40	15 13	1 45	30 21	6 34	23 9	23 17	17 53			n.a.
W18	6 54	4 2	4 13	11 52	1 35	0 31	0 30	6 9	0 17	18 37	0 1	24 37	0 44	3 37	0 40	15 13	1 45	30 21	6 35	23 10	23 18	17 51			n.a.
T 19	6 31	1s13	4 43	11 0	1 28	0n 1	0 28	6 25	0 18	18 39	0 1	24 37	0 44	3 36	0 40	15 14	1 45	30 21	6 35	23 11	23 18	17 48			n.a.
F 20	6 9	6 29	5 0	10 7	1 21	0 32	0 26	6 41	0 19	18 42	0 1	24 37	0 44	3 35	0 40	15 14	1 45	30 21	6 35	23 12	23 18	17 46			n.a.
S 21	5 46	11 35	5 3	9 12	1 13	1 4	0 23	6 57	0 19	18 44	0 1	24 37	0 44	3 33	0 40	15 15	1 45	30 22	6 35	23 13	23 18	17 43			n.a.
S 22	5 23	16 15	4 51	8 16	1 4	1 36	0 21	7 13	0 20	18 46	0 1	24 37	0 45	3 32	0 40	15 15	1 45	30 22	6 36	23 14	23 19	17 41			n.a.
M23	5 0	20 15	4 23	7 18	0 55	2 8	0 18	7 29	0 20	18 49	0 1	24 37	0 45	3 30	0 40	15 16	1 45	30 22	6 36	23 15	23 19	17 39			n.a.
T 24	4 37	23 17	3 41	6 19	0 46	2 40	0 16	7 45	0 21	18 51	0 1	24 37	0 45	3 29	0 40	15 16	1 45	30 22	6 36	23 15	23 19	17 36			n.a.
W25	4 14	25 5	2 46	5 19	0 36	3 12	0 13	8 1	0 21	18 54	0 1	24 37	0 45	3 28	0 40	15 17	1 45	30 23	6 36	23 15	23 20	17 34			n.a.
T 26	3 51	25 25	1 41	4 19	0 26	3 43	0 11	8 16	0 22	18 56	0 0	24 37	0 45	3 26	0 40	15 17	1 45	30 23	6 37	23 15	23 20	17 32			n.a.
F 27	3 28	24 8	0 28	3 17	0 16	4 15	0 8	8 32	0 23	18 59	0 0	24 37	0 45	3 25	0 40	15 18	1 45	30 23	6 37	23 15	23 20	17 29			n.a.
S 28	3 4	21 17	0n48	2 15	0 5	4 46	0 6	8 48	0 23	19 1	0 0	24 37	0 45	3 24	0 40	15 18	1 45	30 24	6 37	23 15	23 21	17 27			n.a.
S 29	2 41	17 3	2 2	1 13	0n 5	5 18	0 3	9 3	0 24	19 4	0 0	24 37	0 45	3 22	0 40	15 18	1 45	30 24	6 37	23 15	23 21	17 24			n.a.
M30	2 18	11 45	3 8	0 10	0 16	5 49	0 1	9 18	0 24	19 6	0n 0	24 37	0 45	3 21	0 40	15 19	1 45	30 24	6 38	23 16	23 21	17 22			n.a.
T 31	1s55	5s44	4n 3	0n52	0n27	6n20	0n 2	9n34	0n25	19n 9	0n 0	24n37	0n45	3s19	0s40	15n19	1n44	30s24	6s38	23s17	23s21	17n19			n.a.

Julian Day Number = 1109323.5, Delta T = 10h54m10s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'24, Lahiri = -27°04'24 Julian Calendar 1 March 1676 BCE == Greg. Calendar 15 Feb. 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

APRIL 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 39 8	26♓14'12	20♓45	3♈16	16♈58	23♈51	24♉13	1♋36	23♓22	24°R14	24♐41	12°R29	11♑44	5♌21	n.a.	W 1
T 2	11 43 5	27°11'51	5♈21	5°23	18°11	24°31	24°23	1°38	23°25	24♌13	24°41	12♑19	11°41	5°28	n.a.	T 2
F 3	11 47 2	28° 9'28	19°39	7°30	19°24	25°10	24°33	1°40	23°29	24°11	24°41	12° 8	11°37	5°35	n.a.	F 3
S 4	11 50 58	29° 7'04	3♉33	9°34	20°37	25°49	24°43	1°41	23°32	24°10	24°41	11°58	11°34	5°41	n.a.	S 4
S 5	11 54 55	0♈ 4'39	17° 1	11°37	21°50	26°28	24°53	1°43	23°35	24° 9	24°41	11°50	11°31	5°48	n.a.	S 5
M 6	11 58 51	1° 2'12	0♊ 3	13°37	23° 3	27° 7	25° 3	1°45	23°39	24° 8	24°41	11°44	11°28	5°55	n.a.	M 6
T 7	12 2 48	1°59'43	12°41	15°36	24°16	27°46	25°13	1°47	23°42	24° 6	24°42	11°41	11°25	6° 1	n.a.	T 7
W 8	12 6 44	2°57'13	24°59	17°32	25°29	28°25	25°24	1°49	23°46	24° 5	24°42	11°39	11°22	6° 8	n.a.	W 8
T 9	12 10 41	3°54'42	7♋ 1	19°25	26°42	29° 4	25°34	1°51	23°49	24° 4	24°42	11°39	11°18	6°15	n.a.	T 9
F 10	12 14 37	4°52'09	18°54	21°16	27°55	29°43	25°45	1°53	23°53	24° 3	24°R42	11°39	11°15	6°21	n.a.	F 10
S 11	12 18 34	5°49'34	0♌42	23° 4	29° 8	0♉22	25°55	1°56	23°56	24° 2	24°42	11°38	11°12	6°28	n.a.	S 11
S 12	12 22 31	6°46'58	12°31	24°49	0♉21	1° 1	26° 6	1°58	23°59	24° 1	24°42	11°35	11° 9	6°35	n.a.	S 12
M13	12 26 27	7°44'20	24°25	26°31	1°33	1°40	26°17	2° 1	24° 3	24° 0	24°41	11°29	11° 6	6°41	n.a.	M13
T 14	12 30 24	8°41'41	6♍29	28°10	2°46	2°19	26°28	2° 4	24° 6	23°58	24°41	11°21	11° 3	6°48	n.a.	T 14
W15	12 34 20	9°39'01	18°43	29°46	3°59	2°58	26°39	2° 6	24°10	23°57	24°41	11°11	10°59	6°55	n.a.	W15
T 16	12 38 17	10°36'20	1♎11	1♉19	5°11	3°37	26°50	2° 9	24°13	23°56	24°41	10°58	10°56	7° 1	n.a.	T 16
F 17	12 42 13	11°33'38	13°54	2°49	6°24	4°16	27° 1	2°12	24°16	23°55	24°41	10°45	10°53	7° 8	n.a.	F 17
S 18	12 46 10	12°30'54	26°49	4°16	7°37	4°55	27°12	2°15	24°20	23°54	24°41	10°33	10°50	7°15	n.a.	S 18
S 19	12 50 6	13°28'10	9♏58	5°39	8°49	5°34	27°23	2°18	24°23	23°54	24°41	10°22	10°47	7°21	n.a.	S 19
M20	12 54 3	14°25'25	23°18	7° 0	10° 2	6°12	27°35	2°22	24°26	23°53	24°40	10°14	10°43	7°28	n.a.	M20
T 21	12 57 59	15°22'39	6♐48	8°17	11°14	6°51	27°46	2°25	24°29	23°52	24°40	10° 8	10°40	7°35	n.a.	T 21
W22	13 1 56	16°19'53	20°29	9°31	12°27	7°30	27°57	2°28	24°33	23°51	24°40	10° 5	10°37	7°41	n.a.	W22
T 23	13 5 53	17°17'06	4♑18	10°42	13°39	8° 9	28° 9	2°32	24°36	23°50	24°39	10° 4	10°34	7°48	n.a.	T 23
F 24	13 9 49	18°14'19	18°18	11°49	14°52	8°47	28°21	2°35	24°39	23°49	24°39	10° 4	10°31	7°54	n.a.	F 24
S 25	13 13 46	19°11'31	2♒26	12°53	16° 4	9°26	28°32	2°39	24°42	23°48	24°39	10° 4	10°28	8° 1	n.a.	S 25
S 26	13 17 42	20° 8'42	16°42	13°53	17°16	10° 5	28°44	2°43	24°46	23°48	24°38	10° 2	10°24	8° 8	n.a.	S 26
M27	13 21 39	21° 5'54	1♓ 5	14°50	18°29	10°44	28°56	2°47	24°49	23°47	24°38	9°57	10°21	8°14	n.a.	M27
T 28	13 25 35	22° 3'04	15°29	15°43	19°41	11°22	29° 8	2°51	24°52	23°46	24°37	9°50	10°18	8°21	n.a.	T 28
W29	13 29 32	23° 0'14	29°52	16°32	20°53	12° 1	29°20	2°55	24°55	23°46	24°37	9°41	10°15	8°28	n.a.	W29
T 30	13 33 29	23♈57'24	14♈ 5	17♉18	22♉ 6	12♉40	29♉31	2♋59	24♓58	23♌45	24♐36	9♑30	10♑12	8♌34	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1s31	0n33	4n41	1n54	0n37	6n51	0n 5	9n49	0n25	19n11	0n 0	24n37	0n45	3s18	0s40	15n20	1n44	30s25	6s38	23s17	23s22	17n17		n.a.
T 2	1 8	6 44	4 59	2 55	0 48	7 22	0 7	10 4	0 26	19 14	0 0	24 37	0 45	3 17	0 40	15 20	1 44	30 25	6 38	23 18	23 22	17 15		n.a.
F 3	0 45	12 25	4 59	3 55	0 58	7 53	0 10	10 19	0 26	19 16	0 1	24 37	0 45	3 15	0 40	15 21	1 44	30 25	6 39	23 20	23 22	17 12		n.a.
S 4	0 21	17 19	4 41	4 54	1 8	8 23	0 12	10 34	0 27	19 19	0 1	24 37	0 45	3 14	0 40	15 21	1 44	30 25	6 39	23 20	23 23	17 10		n.a.
S 5	0n 2	21 11	4 7	5 52	1 17	8 54	0 15	10 49	0 27	19 22	0 1	24 37	0 45	3 12	0 40	15 21	1 44	30 26	6 39	23 21	23 23	17 7		n.a.
M 6	0 25	23 49	3 22	6 48	1 26	9 24	0 18	11 4	0 28	19 24	0 1	24 37	0 45	3 11	0 40	15 22	1 44	30 26	6 39	23 22	23 23	17 5		n.a.
T 7	0 48	25 11	2 27	7 42	1 35	9 54	0 20	11 19	0 28	19 27	0 1	24 37	0 45	3 10	0 40	15 22	1 44	30 26	6 40	23 22	23 23	17 3		n.a.
W 8	1 12	25 15	1 27	8 35	1 43	10 23	0 23	11 34	0 29	19 29	0 1	24 37	0 45	3 8	0 40	15 23	1 44	30 26	6 40	23 22	23 24	17 0		n.a.
T 9	1 35	24 7	0 25	9 26	1 51	10 53	0 26	11 48	0 29	19 32	0 1	24 37	0 45	3 7	0 40	15 23	1 44	30 27	6 40	23 22	23 24	16 58		n.a.
F 10	1 58	21 54	0s38	10 15	1 57	11 22	0 28	12 3	0 30	19 35	0 1	24 37	0 45	3 5	0 40	15 23	1 44	30 27	6 40	23 22	23 24	16 55		n.a.
S 11	2 21	18 46	1 39	11 2	2 4	11 51	0 31	12 17	0 30	19 37	0 1	24 37	0 45	3 4	0 40	15 24	1 44	30 27	6 41	23 22	23 24	16 53		n.a.
S 12	2 44	14 53	2 36	11 47	2 9	12 20	0 34	12 32	0 31	19 40	0 2	24 37	0 45	3 3	0 40	15 24	1 44	30 27	6 41	23 22	23 25	16 50		n.a.
M13	3 8	10 24	3 26	12 29	2 14	12 48	0 36	12 46	0 31	19 43	0 2	24 37	0 45	3 1	0 40	15 24	1 44	30 28	6 41	23 23	23 25	16 48		n.a.
T 14	3 31	5 29	4 7	13 10	2 18	13 16	0 39	13 0	0 32	19 45	0 2	24 37	0 45	3 0	0 40	15 25	1 44	30 28	6 41	23 24	23 25	16 45		n.a.
W15	3 54	0 18	4 38	13 48	2 22	13 44	0 41	13 14	0 32	19 48	0 2	24 37	0 45	2 59	0 40	15 25	1 44	30 28	6 42	23 25	23 26	16 43		n.a.
T 16	4 16	4s59	4 56	14 24	2 24	14 11	0 44	13 28	0 33	19 51	0 2	24 37	0 45	2 57	0 40	15 25	1 44	30 28	6 42	23 26	23 26	16 40		n.a.
F 17	4 39	10 10	5 0	14 58	2 26	14 38	0 47	13 42	0 33	19 54	0 2	24 37	0 45	2 56	0 40	15 26	1 44	30 29	6 42	23 27	23 26	16 38		n.a.
S 18	5 2	15 0	4 48	15 29	2 27	15 5	0 49	13 56	0 34	19 56	0 2	24 37	0 45	2 55	0 40	15 26	1 44	30 29	6 42	23 28	23 26	16 36		n.a.
S 19	5 25	19 12	4 22	15 58	2 28	15 31	0 52	14 10	0 34	19 59	0 2	24 37	0 45	2 53	0 40	15 26	1 44	30 29	6 43	23 29	23 27	16 33		n.a.
M20	5 47	22 30	3 40	16 25	2 27	15 57	0 54	14 23	0 35	20 2	0 2	24 37	0 45	2 52	0 40	15 27	1 44	30 29	6 43	23 29	23 27	16 31		n.a.
T 21	6 10	24 35	2 46	16 50	2 26	16 23	0 57	14 37	0 35	20 5	0 3	24 37	0 45	2 51	0 40	15 27	1 44	30 30	6 43	23 30	23 27	16 28		n.a.
W22	6 32	25 14	1 42	17 12	2 24	16 48	0 59	14 50	0 36	20 7	0 3	24 37	0 45	2 49	0 40	15 27	1 44	30 30	6 43	23 30	23 27	16 26		n.a.
T 23	6 55	24 20	0 30	17 32	2 21	17 13	1 1	15 3	0 36	20 10	0 3	24 37	0 45	2 48	0 40	15 27	1 44	30 30	6 44	23 30	23 28	16 23		n.a.
F 24	7 17	21 54	0n43	17 50	2 17	17 37	1 4	15 17	0 37	20 13	0 3	24 37	0 45	2 47	0 40	15 28	1 44	30 30	6 44	23 30	23 28	16 21		n.a.
S 25	7 39	18 7	1 55	18 6	2 13	18 1	1 6	15 30	0 37	20 15	0 3	24 37	0 45	2 45	0 40	15 28	1 44	30 31	6 44	23 30	23 28	16 18		n.a.
S 26	8 1	13 15	3 1	18 20	2 8	18 24	1 8	15 43	0 38	20 18	0 3	24 37	0 45	2 44	0 40	15 28	1 44	30 31	6 44	23 30	23 28	16 16		n.a.
M27	8 23	7 38	3 55	18 31	2 2	18 47	1 11	15 55	0 38	20 21	0 3	24 37	0 45	2 43	0 40	15 28	1 44	30 31	6 45	23 31	23 29	16 13		n.a.
T 28	8 45	1 37	4 35	18 41	1 55	19 9	1 13	16 8	0 39	20 24	0 3	24 37	0 45	2 42	0 40	15 28	1 44	30 31	6 45	23 31	23 29	16 11		n.a.
W29	9 6	4n28	4 57	18 48	1 47	19 31	1 15	16 21	0 39	20 26	0 3	24 36	0 45	2 40	0 40	15 29	1 44	30 31	6 45	23 32	23 29	16 8		n.a.
T 30	9n28	10n15	5n 0	18n53	1n39	19n53	1n17	16n33	0n39	20n29	0n 4	24n36	0n45	2s39	0s40	15n29	1n43	30s32	6s45	23s33	23s29	16n 6		n.a.

Julian Day Number = 1109354.5, Delta T = 10h54m08s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'20, Lahiri = -27°04'20 Julian Calendar 1 Apr. 1676 BCE == Greg. Calendar 18 March 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

MAY 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 37 25	24♈54'33	28♈ 5	17♉59	23♉18	13♉18	29♉44	3♋ 3	25♓ 1	23°R44	24°R36	9°R19	10♑ 8	8♌41	n.a.	F 1
S 2	13 41 22	25°51'42	11♉46	18°36	24°30	13°57	29°56	3° 7	25° 5	23♌44	24♐35	9♑ 9	10° 5	8°48	n.a.	S 2
S 3	13 45 18	26°48'50	25° 6	19°10	25°42	14°36	0♊ 8	3°11	25° 8	23°43	24°35	9° 0	10° 2	8°54	n.a.	S 3
M 4	13 49 15	27°45'57	8♊ 3	19°39	26°54	15°14	0°20	3°16	25°11	23°43	24°34	8°54	9°59	9° 1	n.a.	M 4
T 5	13 53 11	28°43'04	20°38	20° 4	28° 6	15°53	0°32	3°20	25°14	23°42	24°33	8°50	9°56	9° 8	n.a.	T 5
W 6	13 57 8	29°40'10	2♋56	20°24	29°18	16°31	0°44	3°25	25°17	23°42	24°33	8°49	9°53	9°14	n.a.	W 6
T 7	14 1 4	0♌37'16	14°59	20°40	0♊30	17°10	0°57	3°29	25°20	23°41	24°32	8°D49	9°49	9°21	n.a.	T 7
F 8	14 5 1	1°34'21	26°53	20°51	1°42	17°48	1° 9	3°34	25°23	23°41	24°31	8°R49	9°46	9°28	n.a.	F 8
S 9	14 8 58	2°31'25	8♌42	20°58	2°54	18°27	1°22	3°39	25°26	23°41	24°31	8°49	9°43	9°34	n.a.	S 9
S 10	14 12 54	3°28'29	20°33	21°R 0	4° 6	19° 5	1°34	3°44	25°28	23°40	24°30	8°48	9°40	9°41	n.a.	S 10
M11	14 16 51	4°25'32	2♍30	20°58	5°17	19°44	1°47	3°49	25°31	23°40	24°29	8°44	9°37	9°48	n.a.	M11
T 12	14 20 47	5°22'35	14°38	20°51	6°29	20°22	1°59	3°54	25°34	23°40	24°28	8°38	9°34	9°54	n.a.	T 12
W13	14 24 44	6°19'37	27° 1	20°40	7°41	21° 1	2°12	3°59	25°37	23°39	24°28	8°30	9°30	10° 1	n.a.	W13
T 14	14 28 40	7°16'40	9♎40	20°24	8°53	21°39	2°24	4° 4	25°40	23°39	24°27	8°21	9°27	10° 8	n.a.	T 14
F 15	14 32 37	8°13'41	22°36	20° 5	10° 4	22°18	2°37	4° 9	25°42	23°39	24°26	8°11	9°24	10°14	n.a.	F 15
S 16	14 36 33	9°10'43	5♏51	19°42	11°16	22°56	2°50	4°14	25°45	23°39	24°25	8° 1	9°21	10°21	n.a.	S 16
S 17	14 40 30	10° 7'45	19°21	19°15	12°27	23°35	3° 3	4°20	25°48	23°39	24°24	7°52	9°18	10°28	n.a.	S 17
M18	14 44 27	11° 4'47	3♐ 5	18°46	13°39	24°13	3°15	4°25	25°51	23°39	24°23	7°46	9°14	10°34	n.a.	M18
T 19	14 48 23	12° 1'49	16°59	18°13	14°50	24°51	3°28	4°31	25°53	23°39	24°22	7°42	9°11	10°41	n.a.	T 19
W20	14 52 20	12°58'51	1♑ 0	17°39	16° 2	25°30	3°41	4°36	25°56	23°D39	24°22	7°D40	9° 8	10°48	n.a.	W20
T 21	14 56 16	13°55'54	15° 7	17° 4	17°13	26° 8	3°54	4°42	25°58	23°39	24°21	7°40	9° 5	10°54	n.a.	T 21
F 22	15 0 13	14°52'57	29°16	16°27	18°24	26°47	4° 7	4°47	26° 1	23°39	24°20	7°41	9° 2	11° 1	n.a.	F 22
S 23	15 4 9	15°50'00	13♒26	15°50	19°35	27°25	4°20	4°53	26° 3	23°39	24°19	7°R42	8°59	11° 8	n.a.	S 23
S 24	15 8 6	16°47'04	27°36	15°14	20°47	28° 3	4°33	4°59	26° 6	23°39	24°18	7°41	8°55	11°14	n.a.	S 24
M25	15 12 3	17°44'08	11♓43	14°39	21°58	28°42	4°46	5° 5	26° 8	23°39	24°17	7°39	8°52	11°21	n.a.	M25
T 26	15 15 59	18°41'13	25°47	14° 5	23° 9	29°20	4°59	5°11	26°11	23°39	24°15	7°35	8°49	11°28	n.a.	T 26
W27	15 19 56	19°38'19	9♈44	13°33	24°20	29°58	5°12	5°17	26°13	23°39	24°14	7°29	8°46	11°34	n.a.	W27
T 28	15 23 52	20°35'25	23°31	13° 4	25°31	0♊37	5°25	5°23	26°16	23°40	24°13	7°21	8°43	11°41	n.a.	T 28
F 29	15 27 49	21°32'31	7♉ 6	12°39	26°42	1°15	5°38	5°29	26°18	23°40	24°12	7°14	8°40	11°48	n.a.	F 29
S 30	15 31 45	22°29'38	20°25	12°17	27°53	1°53	5°51	5°35	26°20	23°40	24°11	7° 7	8°36	11°54	n.a.	S 30
S 31	15 35 42	23♉26'46	3♊28	11♉59	29♊ 3	2♊32	6♊ 4	5♋41	26♓22	23♌41	24♐10	7♑ 1	8♑33	12♌ 1	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9n49	15n25	4n46	18n57	1n30	20n14	1n20	16n46	0n40	20n32	0n 4	24n36	0n45	2s38	0s40	15n29	1n43	30s32	6s46	23s33	23s30	16n 3		n.a.
S 2	10 10	19 40	4 15	18 58	1 20	20 34	1 22	16 58	0 40	20 35	0 4	24 36	0 45	2 37	0 40	15 29	1 43	30 32	6 46	23 34	23 30	16 1		n.a.
S 3	10 32	22 47	3 30	18 57	1 9	20 54	1 24	17 10	0 41	20 37	0 4	24 36	0 45	2 35	0 40	15 29	1 43	30 32	6 46	23 35	23 30	15 58		n.a.
M 4	10 52	24 37	2 36	18 54	0 57	21 13	1 26	17 22	0 41	20 40	0 4	24 36	0 45	2 34	0 40	15 29	1 43	30 32	6 46	23 35	23 30	15 56		n.a.
T 5	11 13	25 8	1 35	18 49	0 45	21 32	1 28	17 34	0 42	20 43	0 4	24 36	0 45	2 33	0 41	15 29	1 43	30 33	6 46	23 35	23 31	15 53		n.a.
W 6	11 34	24 23	0 31	18 42	0 32	21 50	1 29	17 46	0 42	20 45	0 4	24 36	0 45	2 32	0 41	15 30	1 43	30 33	6 47	23 35	23 31	15 51		n.a.
T 7	11 54	22 29	0s33	18 33	0 19	22 8	1 31	17 57	0 42	20 48	0 4	24 36	0 45	2 31	0 41	15 30	1 43	30 33	6 47	23 35	23 31	15 48		n.a.
F 8	12 15	19 38	1 35	18 22	0 4	22 25	1 33	18 9	0 43	20 51	0 4	24 36	0 45	2 29	0 41	15 30	1 43	30 33	6 47	23 35	23 31	15 46		n.a.
S 9	12 35	15 59	2 32	18 10	0s10	22 41	1 35	18 20	0 43	20 54	0 4	24 36	0 45	2 28	0 41	15 30	1 43	30 33	6 47	23 35	23 32	15 43		n.a.
S 10	12 54	11 42	3 23	17 56	0 26	22 57	1 36	18 31	0 44	20 56	0 5	24 35	0 45	2 27	0 41	15 30	1 43	30 34	6 48	23 36	23 32	15 41		n.a.
M11	13 14	6 57	4 6	17 40	0 41	23 12	1 38	18 42	0 44	20 59	0 5	24 35	0 45	2 26	0 41	15 30	1 43	30 34	6 48	23 36	23 32	15 38		n.a.
T 12	13 34	1 54	4 38	17 23	0 57	23 26	1 40	18 53	0 44	21 2	0 5	24 35	0 45	2 25	0 41	15 30	1 43	30 34	6 48	23 36	23 32	15 36		n.a.
W13	13 53	3s20	4 58	17 5	1 13	23 40	1 41	19 4	0 45	21 4	0 5	24 35	0 45	2 24	0 41	15 30	1 43	30 34	6 48	23 37	23 33	15 33		n.a.
T 14	14 12	8 32	5 4	16 45	1 30	23 53	1 43	19 15	0 45	21 7	0 5	24 35	0 45	2 23	0 41	15 30	1 43	30 34	6 48	23 37	23 33	15 30		n.a.
F 15	14 31	13 30	4 55	16 24	1 46	24 5	1 44	19 25	0 46	21 10	0 5	24 35	0 45	2 21	0 41	15 30	1 43	30 35	6 49	23 38	23 33	15 28		n.a.
S 16	14 49	17 56	4 29	16 2	2 2	24 17	1 45	19 36	0 46	21 12	0 5	24 35	0 45	2 20	0 41	15 30	1 43	30 35	6 49	23 39	23 33	15 25		n.a.
S 17	15 8	21 33	3 49	15 39	2 18	24 28	1 46	19 46	0 46	21 15	0 5	24 34	0 45	2 19	0 41	15 30	1 43	30 35	6 49	23 39	23 33	15 23		n.a.
M18	15 26	24 1	2 54	15 16	2 33	24 39	1 48	19 56	0 47	21 17	0 5	24 34	0 45	2 18	0 41	15 30	1 43	30 35	6 49	23 39	23 34	15 20		n.a.
T 19	15 44	25 2	1 49	14 53	2 48	24 48	1 49	20 6	0 47	21 20	0 6	24 34	0 45	2 17	0 41	15 30	1 43	30 35	6 50	23 40	23 34	15 18		n.a.
W20	16 2	24 29	0 36	14 30	3 2	24 57	1 50	20 16	0 48	21 23	0 6	24 34	0 45	2 16	0 41	15 30	1 43	30 35	6 50	23 40	23 34	15 15		n.a.
T 21	16 19	22 21	0n40	14 7	3 16	25 6	1 51	20 26	0 48	21 25	0 6	24 34	0 45	2 15	0 41	15 30	1 43	30 35	6 50	23 40	23 34	15 13		n.a.
F 22	16 36	18 50	1 53	13 45	3 28	25 13	1 51	20 35	0 48	21 28	0 6	24 34	0 46	2 14	0 41	15 30	1 42	30 36	6 50	23 40	23 35	15 10		n.a.
S 23	16 53	14 14	3 0	13 24	3 39	25 20	1 52	20 45	0 49	21 30	0 6	24 33	0 46	2 13	0 41	15 30	1 42	30 36	6 50	23 40	23 35	15 8		n.a.
S 24	17 10	8 51	3 56	13 4	3 49	25 26	1 53	20 54	0 49	21 33	0 6	24 33	0 46	2 12	0 41	15 30	1 42	30 36	6 50	23 40	23 35	15 5		n.a.
M25	17 26	3 2	4 37	12 46	3 57	25 32	1 53	21 3	0 50	21 35	0 6	24 33	0 46	2 11	0 41	15 30	1 42	30 36	6 51	23 40	23 35	15 2		n.a.
T 26	17 43	2n53	5 1	12 29	4 4	25 36	1 54	21 12	0 50	21 38	0 6	24 33	0 46	2 10	0 41	15 30	1 42	30 36	6 51	23 40	23 35	15 0		n.a.
W27	17 58	8 37	5 7	12 14	4 10	25 40	1 54	21 21	0 50	21 40	0 6	24 33	0 46	2 9	0 41	15 29	1 42	30 36	6 51	23 40	23 36	14 57		n.a.
T 28	18 14	13 52	4 56	12 1	4 14	25 44	1 55	21 29	0 51	21 43	0 6	24 32	0 46	2 8	0 41	15 29	1 42	30 36	6 51	23 41	23 36	14 55		n.a.
F 29	18 29	18 20	4 27	11 51	4 17	25 46	1 55	21 38	0 51	21 45	0 7	24 32	0 46	2 7	0 41	15 29	1 42	30 37	6 51	23 41	23 36	14 52		n.a.
S 30	18 44	21 47	3 45	11 43	4 18	25 48	1 55	21 46	0 51	21 48	0 7	24 32	0 46	2 6	0 41	15 29	1 42	30 37	6 52	23 42	23 36	14 50		n.a.
S 31	18n59	24n 2	2n51	11n38	4s17	25n49	1n55	21n54	0n52	21n50	0n 7	24n32	0n46	2s 6	0s41	15n29	1n42	30s37	6s52	23s42	23s36	14n47		n.a.

Julian Day Number = 1109384.5, Delta T = 10h54m06s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'16, Lahiri = -27°04'16 Julian Calendar 1 May 1676 BCE == Greg. Calendar 17 Apr. 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

JUNE 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 39 39	24♉23'54	16♊12	11°R46	0♋14	3♊10	6♊17	5♋47	26♓25	23♎41	24°R 9	6°R57	8♑30	12♎ 8	n.a.	M 1
T 2	15 43 35	25°21'02	28°40	11♉37	1°25	3°48	6°31	5°54	26°27	23°41	24♐ 8	6♑55	8°27	12°14	n.a.	T 2
W 3	15 47 32	26°18'11	10♋53	11°D34	2°36	4°27	6°44	6° 0	26°29	23°42	24° 7	6°D55	8°24	12°21	n.a.	W 3
T 4	15 51 28	27°15'20	22°54	11°36	3°46	5° 5	6°57	6° 6	26°31	23°42	24° 5	6°56	8°20	12°28	n.a.	T 4
F 5	15 55 25	28°12'30	4♎48	11°43	4°57	5°43	7°10	6°13	26°33	23°43	24° 4	6°57	8°17	12°34	n.a.	F 5
S 6	15 59 21	29° 9'40	16°37	11°56	6° 7	6°21	7°23	6°19	26°35	23°43	24° 3	6°59	8°14	12°41	n.a.	S 6
S 7	16 3 18	0♊ 6'50	28°29	12°15	7°18	7° 0	7°37	6°26	26°37	23°44	24° 2	7°R 0	8°11	12°48	n.a.	S 7
M 8	16 7 14	1° 4'01	10♍27	12°39	8°28	7°38	7°50	6°32	26°39	23°44	24° 1	6°59	8° 8	12°54	n.a.	M 8
T 9	16 11 11	2° 1'12	22°36	13° 9	9°38	8°16	8° 3	6°39	26°41	23°45	23°59	6°57	8° 5	13° 1	n.a.	T 9
W10	16 15 8	2°58'24	5♎ 1	13°44	10°48	8°54	8°17	6°45	26°42	23°46	23°58	6°54	8° 1	13° 8	n.a.	W10
T 11	16 19 4	3°55'36	17°45	14°25	11°59	9°33	8°30	6°52	26°44	23°46	23°57	6°50	7°58	13°15	n.a.	T 11
F 12	16 23 1	4°52'49	0♏51	15°12	13° 9	10°11	8°43	6°59	26°46	23°47	23°56	6°45	7°55	13°21	n.a.	F 12
S 13	16 26 57	5°50'03	14°18	16° 4	14°19	10°49	8°56	7° 6	26°48	23°48	23°54	6°40	7°52	13°28	n.a.	S 13
S 14	16 30 54	6°47'17	28° 6	17° 1	15°29	11°27	9°10	7°12	26°49	23°49	23°53	6°36	7°49	13°35	n.a.	S 14
M15	16 34 50	7°44'33	12♐11	18° 4	16°38	12° 6	9°23	7°19	26°51	23°49	23°52	6°33	7°45	13°41	n.a.	M15
T 16	16 38 47	8°41'50	26°31	19°12	17°48	12°44	9°36	7°26	26°53	23°50	23°50	6°31	7°42	13°48	n.a.	T 16
W17	16 42 44	9°39'07	10♑58	20°25	18°58	13°22	9°50	7°33	26°54	23°51	23°49	6°D31	7°39	13°55	n.a.	W17
T 18	16 46 40	10°36'26	25°28	21°44	20° 7	14° 0	10° 3	7°40	26°56	23°52	23°48	6°32	7°36	14° 1	n.a.	T 18
F 19	16 50 37	11°33'46	9♒57	23° 7	21°17	14°38	10°16	7°47	26°57	23°53	23°46	6°33	7°33	14° 8	n.a.	F 19
S 20	16 54 33	12°31'07	24°20	24°35	22°26	15°17	10°30	7°54	26°58	23°54	23°45	6°34	7°30	14°15	n.a.	S 20
S 21	16 58 30	13°28'30	8♓34	26° 7	23°36	15°55	10°43	8° 1	27° 0	23°55	23°44	6°R35	7°26	14°21	n.a.	S 21
M22	17 2 26	14°25'54	22°37	27°44	24°45	16°33	10°56	8° 8	27° 1	23°56	23°42	6°35	7°23	14°28	n.a.	M22
T 23	17 6 23	15°23'20	6♈27	29°24	25°54	17°11	11° 9	8°15	27° 2	23°57	23°41	6°34	7°20	14°35	n.a.	T 23
W24	17 10 19	16°20'47	20° 5	1♊ 8	27° 3	17°50	11°23	8°22	27° 4	23°58	23°40	6°32	7°17	14°41	n.a.	W24
T 25	17 14 16	17°18'16	3♉29	2°56	28°12	18°28	11°36	8°29	27° 5	23°59	23°38	6°29	7°14	14°48	n.a.	T 25
F 26	17 18 13	18°15'46	16°39	4°47	29°21	19° 6	11°49	8°37	27° 6	24° 0	23°37	6°27	7°11	14°55	n.a.	F 26
S 27	17 22 9	19°13'18	29°35	6°40	0♎30	19°44	12° 3	8°44	27° 7	24° 1	23°36	6°24	7° 7	15° 1	n.a.	S 27
S 28	17 26 6	20°10'51	12♊17	8°36	1°39	20°22	12°16	8°51	27° 8	24° 3	23°34	6°22	7° 4	15° 8	n.a.	S 28
M29	17 30 2	21° 8'26	24°45	10°34	2°47	21° 1	12°29	8°58	27° 9	24° 4	23°33	6°21	7° 1	15°15	n.a.	M29
T 30	17 33 59	22♊ 6'01	7♋ 1	12♊33	3♎56	21♊39	12♊42	9♋ 5	27♓10	24♎ 5	23♐32	6°D21	6♑58	15♎21	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n14	24n59	1n50	11n36	4s16	25n49	1n55	22n 2	0n52	21n53	0n 7	24n31	0n46	2s 5	0s41	15n29	1n42	30s37	6s52	23s42	23s37	14n44		n.a.
T 2	19 28	24 38	0 45	11 36	4 13	25 48	1 55	22 10	0 52	21 55	0 7	24 31	0 46	2 4	0 41	15 29	1 42	30 37	6 52	23 42	23 37	14 42		n.a.
W 3	19 41	23 5	0s22	11 39	4 8	25 47	1 55	22 18	0 53	21 57	0 7	24 31	0 46	2 3	0 41	15 28	1 42	30 37	6 52	23 42	23 37	14 39		n.a.
T 4	19 55	20 29	1 26	11 45	4 3	25 45	1 55	22 25	0 53	22 0	0 7	24 31	0 46	2 2	0 41	15 28	1 42	30 37	6 52	23 42	23 37	14 37		n.a.
F 5	20 8	17 4	2 26	11 54	3 56	25 42	1 55	22 32	0 53	22 2	0 7	24 30	0 46	2 1	0 41	15 28	1 42	30 37	6 53	23 42	23 38	14 34		n.a.
S 6	20 21	12 59	3 19	12 5	3 49	25 39	1 54	22 39	0 54	22 5	0 7	24 30	0 46	2 1	0 41	15 28	1 42	30 37	6 53	23 42	23 38	14 31		n.a.
S 7	20 33	8 24	4 5	12 19	3 40	25 35	1 54	22 46	0 54	22 7	0 7	24 30	0 46	2 0	0 41	15 27	1 42	30 38	6 53	23 42	23 38	14 29		n.a.
M 8	20 46	3 29	4 39	12 35	3 30	25 30	1 53	22 53	0 54	22 9	0 8	24 30	0 46	1 59	0 41	15 27	1 42	30 38	6 53	23 42	23 38	14 26		n.a.
T 9	20 57	1s38	5 2	12 54	3 20	25 24	1 52	23 0	0 55	22 11	0 8	24 29	0 46	1 58	0 41	15 27	1 42	30 38	6 53	23 42	23 38	14 24		n.a.
W10	21 9	6 47	5 12	13 15	3 9	25 18	1 52	23 6	0 55	22 14	0 8	24 29	0 46	1 58	0 41	15 27	1 42	30 38	6 53	23 42	23 39	14 21		n.a.
T 11	21 20	11 48	5 6	13 39	2 57	25 11	1 51	23 13	0 55	22 16	0 8	24 29	0 46	1 57	0 41	15 26	1 41	30 38	6 53	23 43	23 39	14 19		n.a.
F 12	21 31	16 25	4 45	14 4	2 45	25 3	1 50	23 19	0 56	22 18	0 8	24 28	0 46	1 56	0 41	15 26	1 41	30 38	6 54	23 43	23 39	14 16		n.a.
S 13	21 41	20 22	4 8	14 31	2 33	24 54	1 49	23 25	0 56	22 20	0 8	24 28	0 46	1 56	0 41	15 26	1 41	30 38	6 54	23 43	23 39	14 13		n.a.
S 14	21 51	23 16	3 15	15 0	2 20	24 45	1 47	23 31	0 56	22 23	0 8	24 28	0 46	1 55	0 41	15 26	1 41	30 38	6 54	23 43	23 39	14 11		n.a.
M15	22 1	24 49	2 9	15 31	2 6	24 35	1 46	23 36	0 57	22 25	0 8	24 27	0 46	1 54	0 41	15 25	1 41	30 38	6 54	23 43	23 39	14 8		n.a.
T 16	22 10	24 45	0 55	16 3	1 53	24 25	1 45	23 42	0 57	22 27	0 8	24 27	0 46	1 54	0 41	15 25	1 41	30 38	6 54	23 44	23 40	14 5		n.a.
W17	22 19	23 1	0n24	16 36	1 39	24 13	1 43	23 47	0 57	22 29	0 9	24 27	0 46	1 53	0 41	15 25	1 41	30 38	6 54	23 44	23 40	14 3		n.a.
T 18	22 27	19 46	1 42	17 10	1 25	24 2	1 42	23 52	0 58	22 31	0 9	24 26	0 47	1 53	0 41	15 24	1 41	30 38	6 54	23 44	23 40	14 0		n.a.
F 19	22 36	15 18	2 54	17 45	1 12	23 49	1 40	23 57	0 58	22 33	0 9	24 26	0 47	1 52	0 42	15 24	1 41	30 38	6 54	23 43	23 40	13 58		n.a.
S 20	22 43	10 0	3 53	18 20	0 58	23 36	1 38	24 1	0 58	22 35	0 9	24 26	0 47	1 52	0 42	15 23	1 41	30 38	6 55	23 43	23 40	13 55		n.a.
S 21	22 51	4 13	4 38	18 56	0 44	23 22	1 36	24 6	0 58	22 37	0 9	24 25	0 47	1 51	0 42	15 23	1 41	30 38	6 55	23 43	23 41	13 52		n.a.
M22	22 58	1n41	5 6	19 31	0 31	23 8	1 34	24 10	0 59	22 39	0 9	24 25	0 47	1 50	0 42	15 23	1 41	30 39	6 55	23 43	23 41	13 50		n.a.
T 23	23 4	7 25	5 15	20 6	0 18	22 53	1 32	24 14	0 59	22 41	0 9	24 24	0 47	1 50	0 42	15 22	1 41	30 39	6 55	23 43	23 41	13 47		n.a.
W24	23 10	12 42	5 6	20 41	0 6	22 37	1 30	24 18	0 59	22 43	0 9	24 24	0 47	1 50	0 42	15 22	1 41	30 39	6 55	23 44	23 41	13 45		n.a.
T 25	23 16	17 18	4 41	21 15	0n 7	22 21	1 28	24 22	1 0	22 45	0 9	24 24	0 47	1 49	0 42	15 21	1 41	30 39	6 55	23 44	23 41	13 42		n.a.
F 26	23 22	20 58	4 1	21 47	0 18	22 4	1 26	24 26	1 0	22 47	0 9	24 23	0 47	1 49	0 42	15 21	1 41	30 39	6 55	23 44	23 41	13 39		n.a.
S 27	23 27	23 31	3 9	22 19	0 29	21 46	1 23	24 29	1 0	22 49	0 10	24 23	0 47	1 48	0 42	15 21	1 41	30 39	6 55	23 44	23 42	13 37		n.a.
S 28	23 31	24 49	2 9	22 48	0 40	21 28	1 20	24 32	1 1	22 51	0 10	24 22	0 47	1 48	0 42	15 20	1 41	30 39	6 55	23 44	23 42	13 34		n.a.
M29	23 35	24 51	1 4	23 16	0 49	21 10	1 18	24 35	1 1	22 53	0 10	24 22	0 47	1 48	0 42	15 20	1 41	30 39	6 55	23 44	23 42	13 31		n.a.
T 30	23n39	23n38	0s 4	23n42	0n58	20n51	1n15	24n38	1n 1	22n55	0n10	24n21	0n47	1s47	0s42	15n19	1n41	30s39	6s56	23s44	23s42	13n29		n.a.

Julian Day Number = 1109415.5, Delta T = 10h54m04s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'12, Lahiri = -27°04'12 Julian Calendar 1 June 1676 BCE == Greg. Calendar 18 May 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

JULY 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 37 55	23♊ 3'39	19♋ 7	14♊34	5♌ 4	22♊17	12♊55	9♋13	27♓11	24♌ 6	23°R30	6♑21	6♑55	15♌28	n.a.	W 1
T 2	17 41 52	24° 1'17	1♌ 3	16°35	6°12	22°55	13° 9	9°20	27°12	24° 8	23♐29	6°22	6°52	15°35	n.a.	T 2
F 3	17 45 49	24°58'57	12°55	18°37	7°21	23°34	13°22	9°27	27°12	24° 9	23°27	6°23	6°48	15°41	n.a.	F 3
S 4	17 49 45	25°56'38	24°44	20°39	8°29	24°12	13°35	9°35	27°13	24°10	23°26	6°24	6°45	15°48	n.a.	S 4
S 5	17 53 42	26°54'20	6♍35	22°42	9°37	24°50	13°48	9°42	27°14	24°12	23°25	6°25	6°42	15°55	n.a.	S 5
M 6	17 57 38	27°52'04	18°32	24°44	10°44	25°28	14° 1	9°50	27°14	24°13	23°23	6°26	6°39	16° 1	n.a.	M 6
T 7	18 1 35	28°49'49	0♎40	26°45	11°52	26° 7	14°14	9°57	27°15	24°14	23°22	6°R26	6°36	16° 8	n.a.	T 7
W 8	18 5 31	29°47'35	13° 3	28°46	13° 0	26°45	14°27	10° 4	27°15	24°16	23°21	6°26	6°32	16°15	n.a.	W 8
T 9	18 9 28	0♋45'23	25°45	0♋47	14° 7	27°23	14°40	10°12	27°16	24°17	23°19	6°25	6°29	16°21	n.a.	T 9
F 10	18 13 24	1°43'12	8♏51	2°46	15°15	28° 1	14°53	10°19	27°16	24°19	23°18	6°25	6°26	16°28	n.a.	F 10
S 11	18 17 21	2°41'02	22°21	4°44	16°22	28°40	15° 6	10°27	27°17	24°20	23°17	6°24	6°23	16°35	n.a.	S 11
S 12	18 21 18	3°38'54	6♐17	6°41	17°29	29°18	15°19	10°34	27°17	24°22	23°15	6°24	6°20	16°41	n.a.	S 12
M13	18 25 14	4°36'48	20°36	8°37	18°36	29°56	15°32	10°42	27°17	24°24	23°14	6°24	6°17	16°48	n.a.	M13
T 14	18 29 11	5°34'43	5♑13	10°32	19°42	0♋34	15°45	10°49	27°18	24°25	23°13	6°D23	6°13	16°55	n.a.	T 14
W15	18 33 7	6°32'40	20° 4	12°26	20°49	1°13	15°58	10°57	27°18	24°27	23°11	6°R24	6°10	17° 2	n.a.	W15
T 16	18 37 4	7°30'39	5♒ 0	14°18	21°55	1°51	16°11	11° 4	27°18	24°28	23°10	6°23	6° 7	17° 8	n.a.	T 16
F 17	18 41 0	8°28'40	19°52	16° 9	23° 2	2°29	16°24	11°12	27°18	24°30	23° 9	6°23	6° 4	17°15	n.a.	F 17
S 18	18 44 57	9°26'43	4♓36	17°59	24° 8	3° 7	16°36	11°19	27°R18	24°32	23° 7	6°23	6° 1	17°22	n.a.	S 18
S 19	18 48 53	10°24'48	19° 3	19°47	25°14	3°46	16°49	11°26	27°18	24°34	23° 6	6°23	5°57	17°28	n.a.	S 19
M20	18 52 50	11°22'55	3♈12	21°35	26°19	4°24	17° 2	11°34	27°18	24°35	23° 5	6°23	5°54	17°35	n.a.	M20
T 21	18 56 47	12°21'04	17° 0	23°21	27°25	5° 2	17°14	11°41	27°18	24°37	23° 3	6°D22	5°51	17°42	n.a.	T 21
W22	19 0 43	13°19'15	0♉28	25° 6	28°30	5°41	17°27	11°49	27°18	24°39	23° 2	6°23	5°48	17°48	n.a.	W22
T 23	19 4 40	14°17'29	13°36	26°49	29°36	6°19	17°40	11°56	27°17	24°41	23° 1	6°23	5°45	17°55	n.a.	T 23
F 24	19 8 36	15°15'45	26°28	28°31	0♍41	6°57	17°52	12° 4	27°17	24°42	23° 0	6°24	5°42	18° 2	n.a.	F 24
S 25	19 12 33	16°14'03	9♊ 4	0♌13	1°46	7°36	18° 5	12°11	27°17	24°44	22°58	6°25	5°38	18° 8	n.a.	S 25
S 26	19 16 29	17°12'23	21°28	1°53	2°50	8°14	18°17	12°19	27°16	24°46	22°57	6°26	5°35	18°15	n.a.	S 26
M27	19 20 26	18°10'45	3♋40	3°31	3°55	8°52	18°29	12°26	27°16	24°48	22°56	6°R26	5°32	18°22	n.a.	M27
T 28	19 24 22	19° 9'09	15°44	5° 9	4°59	9°31	18°42	12°34	27°16	24°50	22°55	6°26	5°29	18°28	n.a.	T 28
W29	19 28 19	20° 7'36	27°42	6°46	6° 3	10° 9	18°54	12°41	27°15	24°52	22°54	6°25	5°26	18°35	n.a.	W29
T 30	19 32 15	21° 6'04	9♌34	8°21	7° 7	10°47	19° 6	12°49	27°14	24°54	22°52	6°24	5°23	18°42	n.a.	T 30
F 31	19 36 12	22♋ 4'34	21♌23	9♌55	8♍10	11♋26	19♊18	12♋56	27♓14	24♌56	22♐51	6♑21	5♑19	18♌48	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23n42	21n21	1s10	24n 5	1n 7	20n31	1n12	24n41	1n 1	22n57	0n10	24n21	0n47	1s47	0s42	15n19	1n41	30s39	6s56	23s44	23s42	13n26			n.a.
T 2	23 45	18 9	2 13	24 26	1 14	20 11	1 9	24 43	1 2	22 58	0 10	24 20	0 47	1 47	0 42	15 18	1 41	30 39	6 56	23 44	23 43	13 23			n.a.
F 3	23 48	14 14	3 9	24 44	1 21	19 51	1 6	24 46	1 2	23 0	0 10	24 20	0 47	1 46	0 42	15 18	1 41	30 39	6 56	23 44	23 43	13 21			n.a.
S 4	23 50	9 48	3 57	25 0	1 27	19 30	1 3	24 48	1 2	23 2	0 10	24 19	0 47	1 46	0 42	15 17	1 40	30 39	6 56	23 44	23 43	13 18			n.a.
S 5	23 51	5 1	4 35	25 13	1 32	19 8	1 0	24 50	1 2	23 4	0 10	24 19	0 47	1 46	0 42	15 17	1 40	30 39	6 56	23 44	23 43	13 16			n.a.
M 6	23 52	0 0	5 2	25 23	1 37	18 46	0 56	24 51	1 3	23 5	0 11	24 19	0 48	1 46	0 42	15 16	1 40	30 39	6 56	23 44	23 43	13 13			n.a.
T 7	23 53	5s 5	5 16	25 31	1 40	18 24	0 53	24 53	1 3	23 7	0 11	24 18	0 48	1 45	0 42	15 16	1 40	30 39	6 56	23 44	23 43	13 10			n.a.
W 8	23 53	10 4	5 15	25 36	1 43	18 1	0 49	24 54	1 3	23 9	0 11	24 17	0 48	1 45	0 42	15 15	1 40	30 39	6 56	23 44	23 43	13 8			n.a.
T 9	23 53	14 46	4 59	25 39	1 45	17 38	0 46	24 55	1 3	23 10	0 11	24 17	0 48	1 45	0 42	15 15	1 40	30 39	6 56	23 44	23 44	13 5			n.a.
F 10	23 53	18 56	4 28	25 39	1 47	17 14	0 42	24 56	1 4	23 12	0 11	24 16	0 48	1 45	0 42	15 14	1 40	30 39	6 56	23 44	23 44	13 2			n.a.
S 11	23 52	22 15	3 41	25 36	1 48	16 50	0 38	24 57	1 4	23 14	0 11	24 16	0 48	1 45	0 42	15 14	1 40	30 38	6 56	23 44	23 44	13 0			n.a.
S 12	23 50	24 23	2 40	25 31	1 48	16 26	0 34	24 57	1 4	23 15	0 11	24 15	0 48	1 45	0 42	15 13	1 40	30 38	6 56	23 44	23 44	12 57			n.a.
M13	23 48	24 59	1 27	25 24	1 48	16 1	0 30	24 58	1 4	23 17	0 11	24 15	0 48	1 45	0 42	15 12	1 40	30 38	6 56	23 44	23 44	12 54			n.a.
T 14	23 46	23 54	0 6	25 15	1 47	15 36	0 26	24 58	1 5	23 18	0 12	24 14	0 48	1 44	0 42	15 12	1 40	30 38	6 56	23 44	23 44	12 52			n.a.
W15	23 43	21 7	1n15	25 3	1 46	15 10	0 22	24 58	1 5	23 20	0 12	24 14	0 48	1 44	0 42	15 11	1 40	30 38	6 56	23 44	23 45	12 49			n.a.
T 16	23 40	16 55	2 32	24 50	1 44	14 44	0 18	24 58	1 5	23 21	0 12	24 13	0 48	1 44	0 42	15 11	1 40	30 38	6 56	23 44	23 45	12 46			n.a.
F 17	23 37	11 40	3 39	24 34	1 42	14 18	0 13	24 57	1 5	23 23	0 12	24 13	0 48	1 44	0 42	15 10	1 40	30 38	6 56	23 44	23 45	12 44			n.a.
S 18	23 33	5 49	4 30	24 17	1 39	13 52	0 9	24 57	1 6	23 24	0 12	24 12	0 48	1 44	0 42	15 10	1 40	30 38	6 56	23 44	23 45	12 41			n.a.
S 19	23 28	0n13	5 3	23 58	1 35	13 25	0 4	24 56	1 6	23 25	0 12	24 11	0 48	1 44	0 42	15 9	1 40	30 38	6 56	23 44	23 45	12 38			n.a.
M20	23 23	6 7	5 17	23 38	1 32	12 58	0s 0	24 55	1 6	23 27	0 12	24 11	0 49	1 44	0 42	15 8	1 40	30 38	6 56	23 44	23 45	12 36			n.a.
T 21	23 18	11 35	5 12	23 16	1 28	12 31	0 5	24 54	1 6	23 28	0 12	24 10	0 49	1 45	0 43	15 8	1 40	30 38	6 56	23 44	23 45	12 33			n.a.
W22	23 13	16 21	4 50	22 53	1 23	12 4	0 10	24 52	1 7	23 30	0 12	24 10	0 49	1 45	0 43	15 7	1 40	30 38	6 56	23 44	23 46	12 30			n.a.
T 23	23 6	20 14	4 13	22 28	1 19	11 36	0 15	24 51	1 7	23 31	0 13	24 9	0 49	1 45	0 43	15 6	1 40	30 38	6 56	23 44	23 46	12 28			n.a.
F 24	23 0	23 2	3 24	22 3	1 14	11 8	0 20	24 49	1 7	23 32	0 13	24 9	0 49	1 45	0 43	15 6	1 40	30 38	6 56	23 44	23 46	12 25			n.a.
S 25	22 53	24 38	2 26	21 36	1 8	10 40	0 25	24 47	1 7	23 33	0 13	24 8	0 49	1 45	0 43	15 5	1 40	30 38	6 56	23 44	23 46	12 22			n.a.
S 26	22 46	24 58	1 22	21 8	1 3	10 11	0 30	24 45	1 7	23 35	0 13	24 7	0 49	1 45	0 43	15 4	1 40	30 38	6 56	23 44	23 46	12 20			n.a.
M27	22 38	24 6	0 15	20 39	0 57	9 43	0 35	24 43	1 8	23 36	0 13	24 7	0 49	1 45	0 43	15 4	1 40	30 38	6 56	23 44	23 46	12 17			n.a.
T 28	22 30	22 6	0s51	20 9	0 51	9 14	0 40	24 40	1 8	23 37	0 13	24 6	0 49	1 46	0 43	15 3	1 40	30 37	6 56	23 44	23 46	12 14			n.a.
W29	22 21	19 8	1 55	19 39	0 44	8 45	0 46	24 37	1 8	23 38	0 13	24 5	0 49	1 46	0 43	15 2	1 40	30 37	6 56	23 44	23 47	12 12			n.a.
T 30	22 12	15 25	2 53	19 7	0 38	8 16	0 51	24 35	1 8	23 39	0 13	24 5	0 49	1 46	0 43	15 2	1 40	30 37	6 56	23 44	23 47	12 9			n.a.
F 31	22n 3	11n 7	3s44	18n35	0n31	7n47	0s57	24n31	1n 8	23n41	0n14	24n 4	0n50	1s46	0s43	15n 1	1n40	30s37	6s56	23s44	23s47	12n 6			n.a.

Julian Day Number = 1109445.5, Delta T = 10h54m02s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'08, Lahiri = -27°04'07 Julian Calendar 1 July 1676 BCE == Greg. Calendar 17 June 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

AUGUST 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 40 9	23♋ 3'06	3♍12	11♌28	9♍14	12♋ 4	19♊31	13♋ 4	27°R13	24♌58	22°R50	6°R19	5♑16	18♌55	n.a.	S 1
S 2	19 44 5	24° 1'40	15° 4	13° 0	10°17	12°43	19°43	13°11	27♓12	25° 0	22♐49	6♑16	5°13	19° 2	n.a.	S 2
M 3	19 48 2	25° 0'16	27° 1	14°31	11°20	13°21	19°55	13°18	27°12	25° 1	22°48	6°14	5°10	19° 8	n.a.	M 3
T 4	19 51 58	25°58'54	9♎ 8	16° 1	12°22	13°59	20° 7	13°26	27°11	25° 3	22°47	6°12	5° 7	19°15	n.a.	T 4
W 5	19 55 55	26°57'33	21°28	17°29	13°24	14°38	20°18	13°33	27°10	25° 6	22°46	6°D11	5° 3	19°22	n.a.	W 5
T 6	19 59 51	27°56'15	4♏ 5	18°57	14°26	15°16	20°30	13°41	27° 9	25° 8	22°45	6°11	5° 0	19°29	n.a.	T 6
F 7	20 3 48	28°54'58	17° 5	20°23	15°28	15°55	20°42	13°48	27° 8	25°10	22°44	6°12	4°57	19°35	n.a.	F 7
S 8	20 7 44	29°53'44	0♐29	21°48	16°30	16°33	20°54	13°55	27° 7	25°12	22°42	6°13	4°54	19°42	n.a.	S 8
S 9	20 11 41	0♌52'31	14°20	23°12	17°31	17°12	21° 5	14° 3	27° 6	25°14	22°41	6°15	4°51	19°49	n.a.	S 9
M10	20 15 38	1°51'20	28°39	24°35	18°31	17°50	21°17	14°10	27° 5	25°16	22°40	6°16	4°48	19°55	n.a.	M10
T 11	20 19 34	2°50'11	13♑21	25°56	19°32	18°28	21°28	14°17	27° 4	25°18	22°39	6°R16	4°44	20° 2	n.a.	T 11
W12	20 23 31	3°49'04	28°23	27°17	20°32	19° 7	21°40	14°24	27° 3	25°20	22°39	6°14	4°41	20° 9	n.a.	W12
T 13	20 27 27	4°47'59	13♒35	28°35	21°32	19°45	21°51	14°32	27° 2	25°22	22°38	6°12	4°38	20°15	n.a.	T 13
F 14	20 31 24	5°46'57	28°49	29°53	22°31	20°24	22° 2	14°39	27° 0	25°24	22°37	6° 8	4°35	20°22	n.a.	F 14
S 15	20 35 20	6°45'56	13♓52	1♍ 9	23°30	21° 2	22°14	14°46	26°59	25°26	22°36	6° 4	4°32	20°29	n.a.	S 15
S 16	20 39 17	7°44'59	28°38	2°23	24°28	21°41	22°25	14°53	26°58	25°29	22°35	6° 0	4°29	20°35	n.a.	S 16
M17	20 43 13	8°44'03	13♈ 0	3°36	25°27	22°20	22°36	15° 0	26°56	25°31	22°34	5°56	4°25	20°42	n.a.	M17
T 18	20 47 10	9°43'10	26°55	4°47	26°24	22°58	22°47	15° 7	26°55	25°33	22°33	5°54	4°22	20°49	n.a.	T 18
W19	20 51 6	10°42'19	10♉23	5°56	27°21	23°37	22°58	15°14	26°53	25°35	22°32	5°D53	4°19	20°55	n.a.	W19
T 20	20 55 3	11°41'32	23°27	7° 4	28°18	24°15	23° 8	15°21	26°52	25°37	22°32	5°54	4°16	21° 2	n.a.	T 20
F 21	20 59 0	12°40'46	6♊ 9	8° 9	29°15	24°54	23°19	15°28	26°50	25°39	22°31	5°55	4°13	21° 9	n.a.	F 21
S 22	21 2 56	13°40'03	18°33	9°12	0♎11	25°32	23°30	15°35	26°49	25°42	22°30	5°57	4° 9	21°16	n.a.	S 22
S 23	21 6 53	14°39'23	0♋44	10°13	1° 6	26°11	23°40	15°42	26°47	25°44	22°29	5°R58	4° 6	21°22	n.a.	S 23
M24	21 10 49	15°38'45	12°46	11°11	2° 1	26°50	23°51	15°49	26°45	25°46	22°29	5°58	4° 3	21°29	n.a.	M24
T 25	21 14 46	16°38'09	24°40	12° 6	2°55	27°28	24° 1	15°56	26°44	25°48	22°28	5°56	4° 0	21°36	n.a.	T 25
W26	21 18 42	17°37'35	6♌31	12°58	3°49	28° 7	24°11	16° 2	26°42	25°50	22°27	5°52	3°57	21°42	n.a.	W26
T 27	21 22 39	18°37'04	18°21	13°46	4°42	28°46	24°22	16° 9	26°40	25°53	22°27	5°46	3°54	21°49	n.a.	T 27
F 28	21 26 35	19°36'35	0♍11	14°31	5°35	29°24	24°32	16°16	26°38	25°55	22°26	5°38	3°50	21°56	n.a.	F 28
S 29	21 30 32	20°36'08	12° 3	15°12	6°27	0♌ 3	24°42	16°22	26°36	25°57	22°25	5°30	3°47	22° 2	n.a.	S 29
S 30	21 34 28	21°35'43	23°58	15°48	7°18	0°42	24°51	16°29	26°34	25°59	22°25	5°20	3°44	22° 9	n.a.	S 30
M31	21 38 25	22♌35'20	6♎ 0	16♍20	8♎ 9	1♌20	25♊ 1	16♋36	26♓33	26♌ 2	22♐24	5♑12	3♑41	22♌16	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n53	6n25	4s24	18n 3	0n24	7n18	1s 2	24n28	1n 9	23n42	0n14	24n 3	0n50	1s47	0s43	15n 0	1n40	30s37	6s56	23s44	23s47	12n 3		n.a.
S 2	21 42	1 29	4 54	17 30	0 17	6 49	1 8	24 25	1 9	23 43	0 14	24 3	0 50	1 47	0 43	15 0	1 40	30 37	6 56	23 44	23 47	12 1		n.a.
M 3	21 32	3s32	5 11	16 56	0 9	6 19	1 13	24 21	1 9	23 44	0 14	24 2	0 50	1 47	0 43	14 59	1 40	30 37	6 56	23 44	23 47	11 58		n.a.
T 4	21 21	8 29	5 15	16 22	0 2	5 50	1 19	24 17	1 9	23 45	0 14	24 2	0 50	1 48	0 43	14 58	1 40	30 37	6 56	23 45	23 47	11 55		n.a.
W 5	21 10	13 12	5 4	15 48	0s 6	5 20	1 25	24 13	1 9	23 46	0 14	24 1	0 50	1 48	0 43	14 58	1 40	30 37	6 56	23 45	23 47	11 53		n.a.
T 6	20 58	17 29	4 39	15 13	0 13	4 51	1 31	24 9	1 10	23 47	0 14	24 0	0 50	1 48	0 43	14 57	1 40	30 37	6 56	23 45	23 48	11 50		n.a.
F 7	20 46	21 3	3 59	14 38	0 21	4 21	1 37	24 5	1 10	23 48	0 15	23 59	0 50	1 49	0 43	14 56	1 40	30 37	6 56	23 45	23 48	11 47		n.a.
S 8	20 33	23 38	3 4	14 3	0 29	3 52	1 42	24 0	1 10	23 49	0 15	23 59	0 50	1 49	0 43	14 55	1 40	30 36	6 56	23 44	23 48	11 45		n.a.
S 9	20 20	24 54	1 58	13 28	0 37	3 22	1 48	23 55	1 10	23 50	0 15	23 58	0 50	1 50	0 43	14 55	1 39	30 36	6 56	23 44	23 48	11 42		n.a.
M10	20 7	24 35	0 42	12 52	0 45	2 52	1 55	23 50	1 10	23 51	0 15	23 57	0 51	1 50	0 43	14 54	1 39	30 36	6 56	23 44	23 48	11 39		n.a.
T 11	19 54	22 34	0n39	12 17	0 53	2 23	2 1	23 45	1 11	23 52	0 15	23 57	0 51	1 51	0 43	14 53	1 39	30 36	6 56	23 44	23 48	11 36		n.a.
W12	19 40	18 56	1 59	11 42	1 1	1 53	2 7	23 40	1 11	23 53	0 15	23 56	0 51	1 51	0 43	14 52	1 39	30 36	6 56	23 44	23 48	11 34		n.a.
T 13	19 25	14 1	3 11	11 7	1 9	1 24	2 13	23 34	1 11	23 53	0 15	23 55	0 51	1 52	0 43	14 52	1 39	30 36	6 56	23 45	23 48	11 31		n.a.
F 14	19 11	8 13	4 9	10 32	1 17	0 54	2 19	23 29	1 11	23 54	0 15	23 55	0 51	1 52	0 43	14 51	1 39	30 36	6 56	23 45	23 49	11 28		n.a.
S 15	18 56	2 1	4 50	9 57	1 25	0 25	2 25	23 23	1 11	23 55	0 16	23 54	0 51	1 53	0 43	14 50	1 39	30 36	6 56	23 45	23 49	11 26		n.a.
S 16	18 41	4n10	5 10	9 23	1 33	0s 5	2 32	23 17	1 11	23 56	0 16	23 53	0 51	1 53	0 43	14 49	1 39	30 35	6 56	23 45	23 49	11 23		n.a.
M17	18 25	9 58	5 10	8 48	1 41	0 34	2 38	23 11	1 12	23 57	0 16	23 53	0 51	1 54	0 43	14 49	1 39	30 35	6 55	23 45	23 49	11 20		n.a.
T 18	18 9	15 5	4 52	8 15	1 49	1 3	2 44	23 4	1 12	23 57	0 16	23 52	0 51	1 55	0 43	14 48	1 39	30 35	6 55	23 45	23 49	11 18		n.a.
W19	17 53	19 17	4 18	7 42	1 57	1 32	2 51	22 58	1 12	23 58	0 16	23 51	0 52	1 55	0 43	14 47	1 39	30 35	6 55	23 45	23 49	11 15		n.a.
T 20	17 36	22 23	3 31	7 9	2 5	2 1	2 57	22 51	1 12	23 59	0 16	23 51	0 52	1 56	0 43	14 46	1 39	30 35	6 55	23 45	23 49	11 12		n.a.
F 21	17 19	24 17	2 35	6 38	2 12	2 29	3 3	22 44	1 12	24 0	0 16	23 50	0 52	1 56	0 43	14 46	1 39	30 35	6 55	23 45	23 49	11 9		n.a.
S 22	17 2	24 56	1 33	6 7	2 20	2 58	3 10	22 37	1 12	24 0	0 17	23 49	0 52	1 57	0 43	14 45	1 39	30 35	6 55	23 45	23 49	11 7		n.a.
S 23	16 45	24 22	0 28	5 37	2 27	3 26	3 16	22 30	1 12	24 1	0 17	23 48	0 52	1 58	0 43	14 44	1 39	30 35	6 55	23 45	23 49	11 4		n.a.
M24	16 27	22 39	0s37	5 8	2 34	3 54	3 22	22 22	1 13	24 2	0 17	23 48	0 52	1 59	0 43	14 43	1 39	30 34	6 55	23 45	23 50	11 1		n.a.
T 25	16 9	19 57	1 40	4 41	2 41	4 22	3 29	22 15	1 13	24 2	0 17	23 47	0 52	1 59	0 43	14 43	1 39	30 34	6 55	23 45	23 50	10 58		n.a.
W26	15 50	16 27	2 38	4 15	2 47	4 50	3 35	22 7	1 13	24 3	0 17	23 46	0 52	2 0	0 43	14 42	1 39	30 34	6 55	23 45	23 50	10 56		n.a.
T 27	15 32	12 18	3 29	3 50	2 54	5 17	3 42	21 59	1 13	24 3	0 17	23 46	0 52	2 1	0 43	14 41	1 39	30 34	6 55	23 46	23 50	10 53		n.a.
F 28	15 13	7 42	4 11	3 27	2 59	5 44	3 48	21 51	1 13	24 4	0 18	23 45	0 53	2 1	0 44	14 40	1 39	30 34	6 55	23 46	23 50	10 50		n.a.
S 29	14 54	2 50	4 42	3 6	3 5	6 11	3 55	21 43	1 13	24 5	0 18	23 44	0 53	2 2	0 44	14 40	1 39	30 34	6 54	23 46	23 50	10 48		n.a.
S 30	14 34	2s10	5 1	2 48	3 10	6 37	4 1	21 34	1 13	24 5	0 18	23 44	0 53	2 3	0 44	14 39	1 39	30 34	6 54	23 47	23 50	10 45		n.a.
M31	14n15	7s 7	5s 7	2n32	3s14	7s 4	4s 7	21n26	1n14	24n 6	0n18	23n43	0n53	2s 4	0s44	14n38	1n39	30s34	6s54	23s47	23s50	10n42		n.a.

Julian Day Number = 1109476.5, Delta T = 10h54m00s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'04, Lahiri = -27°04'03 Julian Calendar 1 Aug. 1676 BCE == Greg. Calendar 18 July 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

SEPTEMBER 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 42 22	23♌34'59	18♎ 9	16♍46	8♎58	1♌59	25♊11	16♋42	26°R31	26♌ 4	22°R24	5°R 5	3♉38	22♌22	n.a.	T 1
W 2	21 46 18	24°34'40	0♏30	17° 6	9°48	2°38	25°20	16°49	26♓29	26° 6	22♐23	5♉ 0	3°35	22°29	n.a.	W 2
T 3	21 50 15	25°34'23	13° 5	17°20	10°36	3°17	25°30	16°55	26°27	26° 8	22°23	4°57	3°31	22°36	n.a.	T 3
F 4	21 54 11	26°34'08	25°58	17°R27	11°24	3°55	25°39	17° 1	26°25	26°11	22°22	4°D56	3°28	22°42	n.a.	F 4
S 5	21 58 8	27°33'55	9♐13	17°26	12°10	4°34	25°48	17° 8	26°22	26°13	22°22	4°57	3°25	22°49	n.a.	S 5
S 6	22 2 4	28°33'44	22°53	17°18	12°56	5°13	25°57	17°14	26°20	26°15	22°21	4°58	3°22	22°56	n.a.	S 6
M 7	22 6 1	29°33'34	7♑ 0	17° 1	13°41	5°52	26° 6	17°20	26°18	26°17	22°21	4°R58	3°19	23° 3	n.a.	M 7
T 8	22 9 57	0♍33'27	21°33	16°36	14°25	6°30	26°15	17°26	26°16	26°20	22°21	4°57	3°15	23° 9	n.a.	T 8
W 9	22 13 54	1°33'21	6♒29	16° 2	15° 8	7° 9	26°24	17°32	26°14	26°22	22°20	4°54	3°12	23°16	n.a.	W 9
T 10	22 17 50	2°33'17	21°41	15°19	15°50	7°48	26°33	17°38	26°12	26°24	22°20	4°48	3° 9	23°23	n.a.	T 10
F 11	22 21 47	3°33'15	7♓ 0	14°28	16°31	8°27	26°41	17°44	26° 9	26°26	22°20	4°40	3° 6	23°29	n.a.	F 11
S 12	22 25 44	4°33'15	22°14	13°28	17°11	9° 6	26°50	17°50	26° 7	26°28	22°20	4°30	3° 3	23°36	n.a.	S 12
S 13	22 29 40	5°33'18	7♈13	12°22	17°49	9°45	26°58	17°56	26° 5	26°31	22°19	4°21	3° 0	23°43	n.a.	S 13
M14	22 33 37	6°33'22	21°48	11°10	18°27	10°24	27° 6	18° 2	26° 3	26°33	22°19	4°13	2°56	23°49	n.a.	M14
T 15	22 37 33	7°33'29	5♉54	9°55	19° 3	11° 2	27°14	18° 8	26° 0	26°35	22°19	4° 6	2°53	23°56	n.a.	T 15
W16	22 41 30	8°33'38	19°29	8°38	19°38	11°41	27°22	18°13	25°58	26°37	22°19	4° 2	2°50	24° 3	n.a.	W16
T 17	22 45 26	9°33'50	2♊36	7°22	20°11	12°20	27°30	18°19	25°56	26°40	22°19	4° 1	2°47	24° 9	n.a.	T 17
F 18	22 49 23	10°34'03	15°18	6° 9	20°43	12°59	27°37	18°25	25°53	26°42	22°19	4°D 1	2°44	24°16	n.a.	F 18
S 19	22 53 19	11°34'19	27°40	5° 1	21°14	13°38	27°45	18°30	25°51	26°44	22°19	4°R 1	2°40	24°23	n.a.	S 19
S 20	22 57 16	12°34'38	9♋46	4° 1	21°43	14°17	27°52	18°36	25°48	26°46	22°D19	4° 1	2°37	24°30	n.a.	S 20
M21	23 1 13	13°34'58	21°42	3°10	22°11	14°56	27°59	18°41	25°46	26°48	22°19	3°59	2°34	24°36	n.a.	M21
T 22	23 5 9	14°35'20	3♌32	2°29	22°36	15°35	28° 6	18°46	25°44	26°50	22°19	3°55	2°31	24°43	n.a.	T 22
W23	23 9 6	15°35'45	15°20	2° 0	23° 1	16°14	28°13	18°51	25°41	26°53	22°19	3°49	2°28	24°50	n.a.	W23
T 24	23 13 2	16°36'11	27°10	1°42	23°23	16°53	28°20	18°56	25°39	26°55	22°19	3°39	2°25	24°56	n.a.	T 24
F 25	23 16 59	17°36'39	9♍ 2	1°D36	23°44	17°32	28°26	19° 2	25°36	26°57	22°19	3°27	2°21	25° 3	n.a.	F 25
S 26	23 20 55	18°37'10	21° 1	1°41	24° 2	18°11	28°33	19° 6	25°34	26°59	22°19	3°13	2°18	25°10	n.a.	S 26
S 27	23 24 52	19°37'41	3♎ 5	1°57	24°19	18°50	28°39	19°11	25°31	27° 1	22°19	2°58	2°15	25°16	n.a.	S 27
M28	23 28 48	20°38'15	15°16	2°23	24°34	19°30	28°45	19°16	25°29	27° 3	22°20	2°45	2°12	25°23	n.a.	M28
T 29	23 32 45	21°38'50	27°36	2°58	24°47	20° 9	28°51	19°21	25°26	27° 5	22°20	2°33	2° 9	25°30	n.a.	T 29
W30	23 36 41	22♍39'27	10♏ 5	3♍41	24♎57	20♌48	28♊57	19♋26	25♓24	27♌ 7	22♐20	2♉24	2♉ 6	25♌37	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n55	11s51	4s59	2n18	3s17	7s29	4s14	21n17	1n14	24n 6	0n18	23n42	0n53	2s 5	0s44	14n37	1n39	30s33	6s54	23s47	23s50	10n39		n.a.
W 2	13 35	16 11	4 38	2 8	3 20	7 55	4 20	21 8	1 14	24 7	0 18	23 41	0 53	2 5	0 44	14 36	1 39	30 33	6 54	23 48	23 50	10 37		n.a.
T 3	13 14	19 54	4 2	2 0	3 22	8 20	4 26	20 59	1 14	24 7	0 18	23 41	0 53	2 6	0 44	14 36	1 39	30 33	6 54	23 48	23 51	10 34		n.a.
F 4	12 54	22 45	3 14	1 57	3 23	8 45	4 32	20 50	1 14	24 8	0 19	23 40	0 54	2 7	0 44	14 35	1 39	30 33	6 54	23 48	23 51	10 31		n.a.
S 5	12 33	24 27	2 14	1 57	3 22	9 9	4 38	20 41	1 14	24 8	0 19	23 39	0 54	2 8	0 44	14 34	1 39	30 33	6 54	23 48	23 51	10 28		n.a.
S 6	12 12	24 46	1 4	2 2	3 21	9 33	4 45	20 31	1 14	24 9	0 19	23 39	0 54	2 9	0 44	14 33	1 39	30 33	6 54	23 48	23 51	10 26		n.a.
M 7	11 50	23 31	0n11	2 12	3 18	9 57	4 51	20 22	1 14	24 9	0 19	23 38	0 54	2 10	0 44	14 33	1 39	30 33	6 54	23 48	23 51	10 23		n.a.
T 8	11 29	20 41	1 28	2 26	3 13	10 20	4 57	20 12	1 14	24 9	0 19	23 37	0 54	2 11	0 44	14 32	1 39	30 33	6 53	23 48	23 51	10 20		n.a.
W 9	11 7	16 25	2 40	2 45	3 7	10 42	5 2	20 2	1 15	24 10	0 19	23 37	0 54	2 11	0 44	14 31	1 39	30 32	6 53	23 48	23 51	10 18		n.a.
T 10	10 45	11 2	3 43	3 10	2 58	11 4	5 8	19 52	1 15	24 10	0 20	23 36	0 54	2 12	0 44	14 30	1 39	30 32	6 53	23 48	23 51	10 15		n.a.
F 11	10 23	4 56	4 30	3 39	2 48	11 25	5 14	19 42	1 15	24 11	0 20	23 35	0 55	2 13	0 44	14 30	1 39	30 32	6 53	23 48	23 51	10 12		n.a.
S 12	10 1	1n24	4 57	4 13	2 36	11 46	5 20	19 31	1 15	24 11	0 20	23 35	0 55	2 14	0 44	14 29	1 40	30 32	6 53	23 49	23 51	10 9		n.a.
S 13	9 39	7 33	5 4	4 52	2 22	12 6	5 25	19 21	1 15	24 11	0 20	23 34	0 55	2 15	0 44	14 28	1 40	30 32	6 53	23 49	23 51	10 7		n.a.
M14	9 16	13 7	4 50	5 34	2 6	12 26	5 31	19 10	1 15	24 12	0 20	23 33	0 55	2 16	0 44	14 27	1 40	30 32	6 53	23 49	23 51	10 4		n.a.
T 15	8 54	17 48	4 19	6 20	1 48	12 45	5 36	18 59	1 15	24 12	0 20	23 33	0 55	2 17	0 44	14 27	1 40	30 32	6 53	23 49	23 51	10 1		n.a.
W16	8 31	21 22	3 34	7 6	1 29	13 3	5 41	18 48	1 15	24 12	0 21	23 32	0 55	2 18	0 44	14 26	1 40	30 32	6 53	23 50	23 52	9 58		n.a.
T 17	8 8	23 40	2 39	7 54	1 10	13 21	5 46	18 37	1 15	24 13	0 21	23 32	0 55	2 19	0 44	14 25	1 40	30 31	6 52	23 50	23 52	9 56		n.a.
F 18	7 45	24 41	1 38	8 40	0 49	13 38	5 51	18 26	1 15	24 13	0 21	23 31	0 56	2 20	0 44	14 24	1 40	30 31	6 52	23 50	23 52	9 53		n.a.
S 19	7 21	24 26	0 34	9 24	0 29	13 54	5 55	18 15	1 15	24 13	0 21	23 30	0 56	2 21	0 44	14 24	1 40	30 31	6 52	23 50	23 52	9 50		n.a.
S 20	6 58	23 1	0s31	10 6	0 8	14 9	6 0	18 3	1 16	24 14	0 21	23 30	0 56	2 22	0 44	14 23	1 40	30 31	6 52	23 50	23 52	9 47		n.a.
M21	6 34	20 35	1 33	10 43	0n11	14 24	6 4	17 52	1 16	24 14	0 22	23 29	0 56	2 23	0 44	14 22	1 40	30 31	6 52	23 50	23 52	9 45		n.a.
T 22	6 11	17 18	2 30	11 15	0 30	14 38	6 8	17 40	1 16	24 14	0 22	23 29	0 56	2 24	0 44	14 21	1 40	30 31	6 52	23 50	23 52	9 42		n.a.
W23	5 47	13 21	3 21	11 41	0 47	14 50	6 12	17 28	1 16	24 15	0 22	23 28	0 56	2 25	0 44	14 21	1 40	30 31	6 52	23 50	23 52	9 39		n.a.
T 24	5 23	8 54	4 2	12 2	1 3	15 2	6 15	17 16	1 16	24 15	0 22	23 27	0 57	2 26	0 44	14 20	1 40	30 31	6 52	23 50	23 52	9 36		n.a.
F 25	4 59	4 6	4 34	12 18	1 17	15 13	6 19	17 4	1 16	24 15	0 22	23 27	0 57	2 27	0 44	14 19	1 40	30 30	6 52	23 51	23 52	9 34		n.a.
S 26	4 35	0s51	4 54	12 27	1 29	15 23	6 22	16 52	1 16	24 15	0 22	23 26	0 57	2 28	0 44	14 18	1 40	30 30	6 51	23 51	23 52	9 31		n.a.
S 27	4 11	5 49	5 0	12 32	1 40	15 32	6 24	16 40	1 16	24 16	0 23	23 26	0 57	2 29	0 44	14 18	1 40	30 30	6 51	23 51	23 52	9 28		n.a.
M28	3 47	10 37	4 53	12 31	1 49	15 40	6 27	16 27	1 16	24 16	0 23	23 25	0 57	2 30	0 44	14 17	1 40	30 30	6 51	23 52	23 52	9 25		n.a.
T 29	3 22	15 2	4 32	12 25	1 56	15 46	6 29	16 15	1 16	24 16	0 23	23 25	0 57	2 31	0 44	14 16	1 40	30 30	6 51	23 52	23 52	9 23		n.a.
W30	2n58	18s53	3s59	12n14	2n 3	15s52	6s30	16n 2	1n16	24n16	0n23	23n24	0n58	2s32	0s44	14n16	1n40	30s30	6s51	23s52	23s52	9n20		n.a.

Julian Day Number = 1109507.5, Delta T = 10h53m58s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°11'00, Lahiri = -27°03'59 Julian Calendar 1 Sept. 1676 BCE == Greg. Calendar 18 Aug. 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

OCTOBER 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 40 38	23♍40'05	22♏46	4♍32	25♎ 6	21♌27	29♊ 3	19♋30	25°R21	27♌ 9	22♐20	2°R18	2♑ 2	25♌43	n.a.	T 1
F 2	23 44 35	24°40'45	5♐40	5°29	25°12	22° 6	29° 8	19°35	25♓19	27°11	22°21	2♑14	1°59	25°50	n.a.	F 2
S 3	23 48 31	25°41'26	18°52	6°31	25°15	22°45	29°14	19°39	25°16	27°14	22°21	2°13	1°56	25°57	n.a.	S 3
S 4	23 52 28	26°42'09	2♑22	7°39	25°R17	23°24	29°19	19°43	25°14	27°16	22°21	2°13	1°53	26° 3	n.a.	S 4
M 5	23 56 24	27°42'53	16°15	8°51	25°16	24° 4	29°24	19°48	25°11	27°18	22°22	2°13	1°50	26°10	n.a.	M 5
T 6	0 0 21	28°43'38	0♒31	10° 6	25°12	24°43	29°29	19°52	25° 9	27°20	22°22	2°11	1°46	26°17	n.a.	T 6
W 7	0 4 17	29°44'24	15° 9	11°25	25° 6	25°22	29°33	19°56	25° 6	27°22	22°23	2° 6	1°43	26°23	n.a.	W 7
T 8	0 8 14	0♎45'12	0♓ 4	12°46	24°58	26° 1	29°38	20° 0	25° 4	27°23	22°23	1°59	1°40	26°30	n.a.	T 8
F 9	0 12 10	1°46'00	15° 9	14°10	24°47	26°40	29°42	20° 4	25° 1	27°25	22°24	1°49	1°37	26°37	n.a.	F 9
S 10	0 16 7	2°46'50	0♈15	15°35	24°33	27°20	29°46	20° 8	24°59	27°27	22°24	1°37	1°34	26°44	n.a.	S 10
S 11	0 20 4	3°47'42	15°11	17° 2	24°17	27°59	29°50	20°11	24°56	27°29	22°25	1°25	1°31	26°50	n.a.	S 11
M12	0 24 0	4°48'34	29°48	18°30	23°59	28°38	29°54	20°15	24°54	27°31	22°26	1°14	1°27	26°57	n.a.	M12
T 13	0 27 57	5°49'29	14♉ 0	19°59	23°39	29°17	29°58	20°18	24°52	27°33	22°26	1° 6	1°24	27° 4	n.a.	T 13
W14	0 31 53	6°50'25	27°43	21°29	23°16	29°57	0♋ 1	20°22	24°49	27°35	22°27	0°59	1°21	27°10	n.a.	W14
T 15	0 35 50	7°51'22	10♊56	23° 0	22°51	0♍36	0° 4	20°25	24°47	27°37	22°27	0°56	1°18	27°17	n.a.	T 15
F 16	0 39 46	8°52'21	23°43	24°32	22°24	1°15	0° 8	20°29	24°44	27°38	22°28	0°55	1°15	27°24	n.a.	F 16
S 17	0 43 43	9°53'22	6♋ 8	26° 4	21°56	1°55	0°10	20°32	24°42	27°40	22°29	0°55	1°12	27°30	n.a.	S 17
S 18	0 47 39	10°54'24	18°15	27°36	21°25	2°34	0°13	20°35	24°39	27°42	22°30	0°55	1° 8	27°37	n.a.	S 18
M19	0 51 36	11°55'27	0♌11	29° 9	20°53	3°14	0°16	20°38	24°37	27°44	22°30	0°53	1° 5	27°44	n.a.	M19
T 20	0 55 33	12°56'32	12° 1	0♎42	20°20	3°53	0°18	20°41	24°35	27°45	22°31	0°50	1° 2	27°51	n.a.	T 20
W21	0 59 29	13°57'37	23°50	2°15	19°46	4°32	0°20	20°43	24°32	27°47	22°32	0°43	0°59	27°57	n.a.	W21
T 22	1 3 26	14°58'45	5♍41	3°48	19°11	5°12	0°22	20°46	24°30	27°49	22°33	0°34	0°56	28° 4	n.a.	T 22
F 23	1 7 22	15°59'53	17°39	5°21	18°35	5°51	0°24	20°49	24°28	27°50	22°34	0°23	0°52	28°11	n.a.	F 23
S 24	1 11 19	17° 1'02	29°44	6°55	17°59	6°31	0°25	20°51	24°26	27°52	22°35	0° 9	0°49	28°17	n.a.	S 24
S 25	1 15 15	18° 2'12	11♎59	8°28	17°22	7°10	0°27	20°53	24°23	27°54	22°36	29♐55	0°46	28°24	n.a.	S 25
M26	1 19 12	19° 3'24	24°25	10° 2	16°46	7°50	0°28	20°56	24°21	27°55	22°37	29°42	0°43	28°31	n.a.	M26
T 27	1 23 8	20° 4'36	7♏ 1	11°35	16°10	8°29	0°29	20°58	24°19	27°57	22°38	29°30	0°40	28°37	n.a.	T 27
W28	1 27 5	21° 5'49	19°47	13° 9	15°35	9° 9	0°30	21° 0	24°17	27°58	22°39	29°21	0°37	28°44	n.a.	W28
T 29	1 31 2	22° 7'02	2♐44	14°43	15° 0	9°48	0°30	21° 2	24°15	28° 0	22°40	29°15	0°33	28°51	n.a.	T 29
F 30	1 34 58	23° 8'16	15°52	16°16	14°27	10°28	0°31	21° 4	24°13	28° 1	22°41	29°12	0°30	28°58	n.a.	F 30
S 31	1 38 55	24♎ 9'31	29♐12	17♎50	13♎55	11♍ 7	0°R31	21♋ 5	24♓10	28♌ 3	22♐42	29°D12	0♑27	29♌ 4	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	2n34	21s54	3s12	12n 0	2n 7	15s56	6s31	15n49	1n16	24n17	0n23	23n24	0n58	2s33	0s44	14n15	1n40	30s30	6s51	23s52	23s52	9n17			n.a.
F 2	2 9	23 52	2 15	11 42	2 11	15 59	6 32	15 36	1 16	24 17	0 24	23 23	0 58	2 34	0 44	14 14	1 40	30 30	6 51	23 52	23 52	9 14			n.a.
S 3	1 45	24 35	1 10	11 20	2 13	16 1	6 32	15 23	1 16	24 17	0 24	23 23	0 58	2 35	0 44	14 14	1 40	30 30	6 51	23 52	23 53	9 12			n.a.
S 4	1 20	23 51	0n 1	10 56	2 14	16 1	6 32	15 10	1 16	24 17	0 24	23 22	0 58	2 36	0 44	14 13	1 40	30 30	6 50	23 52	23 53	9 9			n.a.
M 5	0 56	21 40	1 13	10 29	2 15	16 0	6 32	14 57	1 16	24 17	0 24	23 22	0 58	2 37	0 44	14 12	1 40	30 29	6 50	23 52	23 53	9 6			n.a.
T 6	0 31	18 5	2 23	9 59	2 14	15 57	6 30	14 43	1 16	24 18	0 24	23 21	0 59	2 38	0 44	14 12	1 40	30 29	6 50	23 52	23 53	9 3			n.a.
W 7	0 6	13 19	3 26	9 27	2 13	15 54	6 29	14 30	1 16	24 18	0 25	23 21	0 59	2 39	0 44	14 11	1 40	30 29	6 50	23 52	23 53	9 1			n.a.
T 8	0s18	7 41	4 15	8 54	2 11	15 48	6 26	14 17	1 16	24 18	0 25	23 20	0 59	2 40	0 44	14 10	1 40	30 29	6 50	23 52	23 53	8 58			n.a.
F 9	0 43	1 33	4 48	8 19	2 8	15 41	6 23	14 3	1 16	24 18	0 25	23 20	0 59	2 41	0 44	14 10	1 40	30 29	6 50	23 53	23 53	8 55			n.a.
S 10	1 8	4n40	5 0	7 42	2 5	15 33	6 19	13 49	1 16	24 19	0 25	23 20	0 59	2 42	0 44	14 9	1 40	30 29	6 50	23 53	23 53	8 52			n.a.
S 11	1 32	10 33	4 52	7 4	2 1	15 23	6 15	13 35	1 16	24 19	0 25	23 19	1 0	2 43	0 44	14 8	1 40	30 29	6 50	23 53	23 53	8 49			n.a.
M12	1 57	15 43	4 24	6 25	1 57	15 11	6 10	13 21	1 16	24 19	0 26	23 19	1 0	2 44	0 44	14 8	1 40	30 29	6 49	23 53	23 53	8 47			n.a.
T 13	2 21	19 51	3 41	5 45	1 53	14 58	6 4	13 7	1 16	24 19	0 26	23 19	1 0	2 45	0 44	14 7	1 40	30 29	6 49	23 53	23 53	8 44			n.a.
W14	2 46	22 43	2 46	5 5	1 48	14 43	5 58	12 53	1 16	24 19	0 26	23 18	1 0	2 46	0 44	14 6	1 40	30 29	6 49	23 53	23 53	8 41			n.a.
T 15	3 10	24 13	1 44	4 24	1 43	14 27	5 51	12 39	1 16	24 20	0 26	23 18	1 0	2 47	0 44	14 6	1 41	30 29	6 49	23 53	23 53	8 38			n.a.
F 16	3 35	24 22	0 38	3 42	1 37	14 9	5 43	12 25	1 16	24 20	0 26	23 18	1 0	2 48	0 44	14 5	1 41	30 29	6 49	23 53	23 53	8 36			n.a.
S 17	3 59	23 17	0s28	2 59	1 32	13 50	5 34	12 10	1 16	24 20	0 27	23 17	1 1	2 49	0 44	14 5	1 41	30 29	6 49	23 53	23 53	8 33			n.a.
S 18	4 24	21 8	1 30	2 17	1 26	13 30	5 25	11 56	1 16	24 20	0 27	23 17	1 1	2 50	0 44	14 4	1 41	30 28	6 49	23 53	23 53	8 30			n.a.
M19	4 48	18 5	2 28	1 34	1 20	13 8	5 14	11 42	1 16	24 20	0 27	23 17	1 1	2 50	0 44	14 4	1 41	30 28	6 49	23 53	23 53	8 27			n.a.
T 20	5 12	14 19	3 19	0 51	1 14	12 45	5 4	11 27	1 16	24 21	0 27	23 16	1 1	2 51	0 44	14 3	1 41	30 28	6 49	23 53	23 53	8 25			n.a.
W21	5 36	10 2	4 1	0 7	1 7	12 21	4 52	11 12	1 16	24 21	0 27	23 16	1 1	2 52	0 44	14 2	1 41	30 28	6 48	23 53	23 53	8 22			n.a.
T 22	6 1	5 22	4 33	0s36	1 1	11 57	4 40	10 57	1 16	24 21	0 28	23 16	1 2	2 53	0 44	14 2	1 41	30 28	6 48	23 53	23 53	8 19			n.a.
F 23	6 25	0 29	4 53	1 20	0 55	11 31	4 27	10 43	1 16	24 21	0 28	23 16	1 2	2 54	0 43	14 1	1 41	30 28	6 48	23 53	23 53	8 16			n.a.
S 24	6 48	4s28	5 1	2 4	0 48	11 4	4 14	10 28	1 16	24 21	0 28	23 16	1 2	2 55	0 43	14 1	1 41	30 28	6 48	23 53	23 53	8 13			n.a.
S 25	7 12	9 19	4 54	2 47	0 41	10 37	4 0	10 13	1 16	24 22	0 28	23 15	1 2	2 56	0 43	14 0	1 41	30 28	6 48	23 53	23 53	8 11			n.a.
M26	7 36	13 52	4 34	3 31	0 35	10 10	3 46	9 58	1 16	24 22	0 29	23 15	1 2	2 57	0 43	14 0	1 41	30 28	6 48	23 53	23 53	8 8			n.a.
T 27	7 59	17 52	4 0	4 14	0 28	9 42	3 31	9 43	1 16	24 22	0 29	23 15	1 3	2 58	0 43	13 59	1 41	30 28	6 48	23 53	23 53	8 5			n.a.
W28	8 23	21 6	3 13	4 57	0 22	9 15	3 16	9 27	1 16	24 22	0 29	23 15	1 3	2 59	0 43	13 59	1 41	30 28	6 48	23 53	23 53	8 2			n.a.
T 29	8 46	23 19	2 16	5 41	0 15	8 47	3 1	9 12	1 16	24 23	0 29	23 15	1 3	2 59	0 43	13 58	1 41	30 28	6 48	23 53	23 53	8 0			n.a.
F 30	9 9	24 17	1 10	6 23	0 8	8 20	2 45	8 57	1 16	24 23	0 29	23 15	1 3	3 0	0 43	13 58	1 41	30 28	6 48	23 53	23 53	7 57			n.a.
S 31	9s32	23s53	0n 0	7s 6	0n 2	7s53	2s30	8n41	1n16	24n23	0n30	23n15	1n 3	3s 1	0s43	13n57	1n41	30s28	6s48	23s53	23s53	7n54			n.a.

Julian Day Number = 1109537.5, Delta T = 10h53m56s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'55, Lahiri = -27°03'55 Julian Calendar 1 Oct. 1676 BCE == Greg. Calendar 17 Sept. 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

NOVEMBER 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 42 51	25♎10'46	12♉45	19♎24	13°R24	11♍47	0°R31	21♋ 7	24°R 8	28♏ 4	22♐43	29♐12	0♉24	29♏11	n.a.	S 1
M 2	1 46 48	26°12'01	26°33	20°58	12♎55	12°26	0♋31	21° 8	24♓ 6	28° 6	22°44	29°R12	0°21	29°18	n.a.	M 2
T 3	1 50 44	27°13'17	10♒37	22°32	12°28	13° 6	0°30	21°10	24° 4	28° 7	22°45	29°12	0°17	29°24	n.a.	T 3
W 4	1 54 41	28°14'32	24°55	24° 6	12° 3	13°45	0°30	21°11	24° 2	28° 8	22°46	29° 9	0°14	29°31	n.a.	W 4
T 5	1 58 37	29°15'48	9♓26	25°40	11°40	14°25	0°29	21°12	24° 1	28°10	22°48	29° 3	0°11	29°38	n.a.	T 5
F 6	2 2 34	0♏17'04	24° 5	27°15	11°19	15° 5	0°28	21°13	23°59	28°11	22°49	28°56	0° 8	29°44	n.a.	F 6
S 7	2 6 31	1°18'20	8♈46	28°49	11° 1	15°44	0°27	21°14	23°57	28°12	22°50	28°46	0° 5	29°51	n.a.	S 7
S 8	2 10 27	2°19'37	23°22	0♏24	10°45	16°24	0°25	21°15	23°55	28°13	22°51	28°37	0° 2	29°58	n.a.	S 8
M 9	2 14 24	3°20'53	7♉44	1°59	10°31	17° 3	0°24	21°16	23°53	28°15	22°53	28°28	29♐58	0♍ 5	n.a.	M 9
T 10	2 18 20	4°22'11	21°47	3°34	10°20	17°43	0°22	21°17	23°51	28°16	22°54	28°21	29°55	0°11	n.a.	T 10
W11	2 22 17	5°23'28	5♊27	5° 9	10°12	18°23	0°20	21°17	23°50	28°17	22°55	28°16	29°52	0°18	n.a.	W11
T 12	2 26 13	6°24'46	18°41	6°44	10° 6	19° 3	0°18	21°18	23°48	28°18	22°57	28°13	29°49	0°25	n.a.	T 12
F 13	2 30 10	7°26'04	1♋31	8°20	10° 2	19°42	0°15	21°18	23°46	28°19	22°58	28°D13	29°46	0°31	n.a.	F 13
S 14	2 34 7	8°27'23	14° 0	9°56	10°D 1	20°22	0°13	21°18	23°45	28°20	22°59	28°14	29°43	0°38	n.a.	S 14
S 15	2 38 3	9°28'42	26°12	11°32	10° 3	21° 2	0°10	21°R18	23°43	28°21	23° 1	28°15	29°39	0°45	n.a.	S 15
M16	2 42 0	10°30'01	8♏11	13° 9	10° 6	21°41	0° 7	21°18	23°42	28°22	23° 2	28°R16	29°36	0°52	n.a.	M16
T 17	2 45 56	11°31'21	20° 3	14°45	10°13	22°21	0° 4	21°18	23°40	28°23	23° 3	28°16	29°33	0°58	n.a.	T 17
W18	2 49 53	12°32'40	1♍54	16°22	10°21	23° 1	0° 1	21°18	23°39	28°24	23° 5	28°13	29°30	1° 5	n.a.	W18
T 19	2 53 49	13°34'00	13°47	18° 0	10°32	23°41	29♊57	21°18	23°38	28°25	23° 6	28° 9	29°27	1°12	n.a.	T 19
F 20	2 57 46	14°35'20	25°47	19°37	10°45	24°20	29°54	21°17	23°36	28°26	23° 8	28° 3	29°23	1°18	n.a.	F 20
S 21	3 1 42	15°36'40	7♎58	21°15	11° 0	25° 0	29°50	21°17	23°35	28°26	23° 9	27°55	29°20	1°25	n.a.	S 21
S 22	3 5 39	16°38'00	20°23	22°53	11°18	25°40	29°46	21°16	23°34	28°27	23°11	27°47	29°17	1°32	n.a.	S 22
M23	3 9 36	17°39'20	3♏ 1	24°32	11°37	26°20	29°42	21°15	23°32	28°28	23°12	27°39	29°14	1°38	n.a.	M23
T 24	3 13 32	18°40'39	15°55	26°11	11°58	27° 0	29°37	21°14	23°31	28°29	23°14	27°33	29°11	1°45	n.a.	T 24
W25	3 17 29	19°41'59	29° 2	27°50	12°21	27°39	29°33	21°13	23°30	28°29	23°16	27°28	29° 8	1°52	n.a.	W25
T 26	3 21 25	20°43'18	12♐23	29°29	12°46	28°19	29°28	21°12	23°29	28°30	23°17	27°25	29° 4	1°59	n.a.	T 26
F 27	3 25 22	21°44'36	25°55	1♑ 8	13°13	28°59	29°23	21°11	23°28	28°31	23°19	27°D24	29° 1	2° 5	n.a.	F 27
S 28	3 29 18	22°45'54	9♉37	2°48	13°41	29°39	29°18	21°10	23°27	28°31	23°20	27°24	28°58	2°12	n.a.	S 28
S 29	3 33 15	23°47'11	23°28	4°28	14°11	0♎19	29°13	21° 8	23°26	28°32	23°22	27°26	28°55	2°19	n.a.	S 29
M30	3 37 12	24♏48'28	7♒26	6♑ 7	14♎43	0♎59	29♊ 7	21♋ 7	23♓25	28♏32	23♐24	27♐27	28♐52	2♍25	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s55	22s 5	1n12	7s48	0s 5	7s26	2s14	8n26	1n15	24n23	0n30	23n15	1n 4	3s 2	0s43	13n57	1n41	30s28	6s47	23s53	23s53	7n51		n.a.
M 2	10 18	18 57	2 20	8 31	0 11	7 0	1 58	8 11	1 15	24 23	0 30	23 15	1 4	3 3	0 43	13 56	1 41	30 28	6 47	23 53	23 53	7 49		n.a.
T 3	10 41	14 40	3 22	9 12	0 18	6 35	1 43	7 55	1 15	24 24	0 30	23 15	1 4	3 3	0 43	13 56	1 41	30 28	6 47	23 53	23 53	7 46		n.a.
W 4	11 3	9 30	4 12	9 54	0 24	6 11	1 27	7 39	1 15	24 24	0 31	23 15	1 4	3 4	0 43	13 56	1 42	30 28	6 47	23 53	23 53	7 43		n.a.
T 5	11 25	3 45	4 47	10 35	0 31	5 48	1 12	7 24	1 15	24 24	0 31	23 15	1 4	3 5	0 43	13 55	1 42	30 28	6 47	23 53	23 53	7 40		n.a.
F 6	11 47	2n14	5 3	11 15	0 37	5 26	0 57	7 8	1 15	24 24	0 31	23 15	1 5	3 6	0 43	13 55	1 42	30 28	6 47	23 53	23 53	7 37		n.a.
S 7	12 9	8 7	5 0	11 55	0 43	5 5	0 42	6 52	1 15	24 25	0 31	23 15	1 5	3 6	0 43	13 54	1 42	30 28	6 47	23 53	23 53	7 35		n.a.
S 8	12 30	13 31	4 37	12 35	0 49	4 45	0 27	6 37	1 15	24 25	0 31	23 15	1 5	3 7	0 43	13 54	1 42	30 28	6 47	23 53	23 53	7 32		n.a.
M 9	12 52	18 4	3 57	13 14	0 55	4 27	0 13	6 21	1 15	24 25	0 32	23 15	1 5	3 8	0 43	13 54	1 42	30 28	6 47	23 53	23 53	7 29		n.a.
T 10	13 13	21 29	3 2	13 53	1 0	4 10	0n 1	6 5	1 14	24 25	0 32	23 15	1 5	3 8	0 43	13 53	1 42	30 28	6 47	23 53	23 53	7 26		n.a.
W11	13 34	23 34	1 59	14 31	1 6	3 54	0 14	5 49	1 14	24 25	0 32	23 15	1 6	3 9	0 43	13 53	1 42	30 28	6 47	23 53	23 53	7 23		n.a.
T 12	13 55	24 15	0 51	15 8	1 11	3 39	0 27	5 33	1 14	24 26	0 32	23 15	1 6	3 10	0 43	13 53	1 42	30 28	6 47	23 53	23 53	7 21		n.a.
F 13	14 15	23 35	0s18	15 45	1 17	3 26	0 40	5 17	1 14	24 26	0 33	23 15	1 6	3 10	0 43	13 52	1 42	30 28	6 47	23 53	23 53	7 18		n.a.
S 14	14 35	21 45	1 24	16 21	1 22	3 15	0 52	5 1	1 14	24 26	0 33	23 15	1 6	3 11	0 43	13 52	1 42	30 28	6 46	23 53	23 53	7 15		n.a.
S 15	14 55	18 56	2 25	16 57	1 26	3 5	1 4	4 45	1 14	24 26	0 33	23 16	1 6	3 12	0 43	13 52	1 42	30 28	6 46	23 53	23 53	7 12		n.a.
M16	15 15	15 22	3 19	17 31	1 31	2 56	1 15	4 29	1 14	24 27	0 33	23 16	1 7	3 12	0 43	13 51	1 42	30 28	6 46	23 53	23 53	7 10		n.a.
T 17	15 34	11 14	4 3	18 5	1 36	2 48	1 26	4 13	1 13	24 27	0 33	23 16	1 7	3 13	0 43	13 51	1 42	30 28	6 46	23 53	23 53	7 7		n.a.
W18	15 54	6 42	4 37	18 38	1 40	2 42	1 36	3 56	1 13	24 27	0 34	23 16	1 7	3 13	0 43	13 51	1 42	30 28	6 46	23 53	23 53	7 4		n.a.
T 19	16 12	1 54	4 59	19 10	1 44	2 38	1 46	3 40	1 13	24 27	0 34	23 17	1 7	3 14	0 43	13 51	1 42	30 28	6 46	23 53	23 53	7 1		n.a.
F 20	16 31	3s 0	5 8	19 41	1 47	2 34	1 56	3 24	1 13	24 28	0 34	23 17	1 7	3 14	0 43	13 50	1 42	30 28	6 46	23 53	23 53	6 58		n.a.
S 21	16 49	7 51	5 4	20 11	1 51	2 32	2 5	3 8	1 13	24 28	0 34	23 17	1 8	3 15	0 43	13 50	1 43	30 28	6 46	23 52	23 53	6 56		n.a.
S 22	17 7	12 30	4 45	20 40	1 54	2 31	2 13	2 52	1 13	24 28	0 35	23 17	1 8	3 15	0 43	13 50	1 43	30 28	6 46	23 52	23 53	6 53		n.a.
M23	17 25	16 41	4 12	21 8	1 56	2 31	2 21	2 35	1 12	24 28	0 35	23 18	1 8	3 16	0 43	13 50	1 43	30 28	6 46	23 52	23 53	6 50		n.a.
T 24	17 42	20 11	3 26	21 35	1 59	2 32	2 29	2 19	1 12	24 28	0 35	23 18	1 8	3 16	0 43	13 50	1 43	30 28	6 46	23 52	23 53	6 47		n.a.
W25	17 59	22 44	2 28	22 0	2 1	2 35	2 37	2 3	1 12	24 29	0 35	23 18	1 8	3 16	0 43	13 49	1 43	30 28	6 46	23 52	23 53	6 45		n.a.
T 26	18 16	24 2	1 21	22 25	2 2	2 38	2 43	1 46	1 12	24 29	0 35	23 19	1 9	3 17	0 42	13 49	1 43	30 28	6 46	23 52	23 53	6 42		n.a.
F 27	18 33	23 58	0 8	22 47	2 4	2 43	2 50	1 30	1 11	24 29	0 36	23 19	1 9	3 17	0 42	13 49	1 43	30 28	6 46	23 52	23 53	6 39		n.a.
S 28	18 49	22 26	1n 6	23 9	2 4	2 48	2 56	1 14	1 11	24 29	0 36	23 20	1 9	3 18	0 42	13 49	1 43	30 28	6 46	23 52	23 53	6 36		n.a.
S 29	19 4	19 33	2 18	23 28	2 5	2 55	3 2	0 57	1 11	24 29	0 36	23 20	1 9	3 18	0 42	13 49	1 43	30 28	6 46	23 52	23 53	6 33		n.a.
M30	19s20	15s31	3n21	23s46	2s 4	3s 2	3n 7	0n41	1n11	24n30	0n36	23n20	1n10	3s18	0s42	13n49	1n43	30s29	6s46	23s52	23s53	6n31		n.a.

Julian Day Number = 1109568.5, Delta T = 10h53m54s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'51, Lahiri = -27°03'51 Julian Calendar 1 Nov. 1676 BCE == Greg. Calendar 18 Oct. 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1676 BCE
geocentric

DECEMBER 1676 BCE (-1675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 41 8	25♏49'43	21♒30	7♐46	15♎16	1♎39	29°R 2	21°R 5	23°R25	28♌33	23♐25	27°R28	28♐49	2♍32	n.a.	T 1
W 2	3 45 5	26°50'57	5♓40	9°26	15°51	2°18	28♊56	21♋ 3	23♓24	28°33	23°27	27♐28	28°45	2°39	n.a.	W 2
T 3	3 49 1	27°52'11	19°53	11° 4	16°27	2°58	28°50	21° 1	23°23	28°34	23°29	27°26	28°42	2°46	n.a.	T 3
F 4	3 52 58	28°53'23	4♈ 8	12°43	17° 4	3°38	28°44	20°59	23°23	28°34	23°30	27°23	28°39	2°52	n.a.	F 4
S 5	3 56 54	29°54'34	18°19	14°20	17°42	4°18	28°38	20°57	23°22	28°34	23°32	27°19	28°36	2°59	n.a.	S 5
S 6	4 0 51	0♐55'45	2♉24	15°56	18°22	4°58	28°32	20°55	23°21	28°35	23°34	27°15	28°33	3° 6	n.a.	S 6
M 7	4 4 48	1°56'55	16°19	17°32	19° 3	5°38	28°26	20°53	23°21	28°35	23°35	27°11	28°29	3°12	n.a.	M 7
T 8	4 8 44	2°58'03	29°59	19° 5	19°45	6°18	28°19	20°51	23°20	28°35	23°37	27° 8	28°26	3°19	n.a.	T 8
W 9	4 12 41	3°59'11	13♊22	20°37	20°28	6°58	28°13	20°48	23°20	28°35	23°39	27° 6	28°23	3°26	n.a.	W 9
T 10	4 16 37	5° 0'18	26°27	22° 6	21°13	7°38	28° 6	20°46	23°20	28°36	23°41	27°D 6	28°20	3°33	n.a.	T 10
F 11	4 20 34	6° 1'24	9♋12	23°32	21°58	8°18	27°59	20°43	23°19	28°36	23°42	27° 6	28°17	3°39	n.a.	F 11
S 12	4 24 30	7° 2'29	21°41	24°54	22°44	8°58	27°52	20°40	23°19	28°36	23°44	27° 7	28°14	3°46	n.a.	S 12
S 13	4 28 27	8° 3'34	3♌54	26°12	23°31	9°38	27°45	20°38	23°19	28°36	23°46	27° 9	28°10	3°53	n.a.	S 13
M14	4 32 23	9° 4'37	15°55	27°26	24°19	10°18	27°38	20°35	23°19	28°36	23°48	27°11	28° 7	3°59	n.a.	M14
T 15	4 36 20	10° 5'40	27°50	28°34	25° 8	10°58	27°31	20°32	23°19	28°R36	23°49	27°12	28° 4	4° 6	n.a.	T 15
W16	4 40 17	11° 6'41	9♍41	29°35	25°58	11°38	27°23	20°29	23°D19	28°36	23°51	27°R12	28° 1	4°13	n.a.	W16
T 17	4 44 13	12° 7'42	21°35	0♎30	26°49	12°18	27°16	20°26	23°19	28°36	23°53	27°12	27°58	4°20	n.a.	T 17
F 18	4 48 10	13° 8'42	3♎36	1°16	27°40	12°58	27° 8	20°22	23°19	28°36	23°55	27°11	27°55	4°26	n.a.	F 18
S 19	4 52 6	14° 9'41	15°49	1°53	28°32	13°38	27° 1	20°19	23°19	28°36	23°57	27° 9	27°51	4°33	n.a.	S 19
S 20	4 56 3	15°10'39	28°16	2°21	29°25	14°18	26°53	20°16	23°19	28°35	23°58	27° 8	27°48	4°40	n.a.	S 20
M21	4 59 59	16°11'35	11♏ 1	2°39	0♏18	14°58	26°45	20°12	23°19	28°35	24° 0	27° 6	27°45	4°46	n.a.	M21
T 22	5 3 56	17°12'31	24° 7	2°R46	1°13	15°38	26°38	20° 9	23°20	28°35	24° 2	27° 5	27°42	4°53	n.a.	T 22
W23	5 7 53	18°13'25	7♐31	2°42	2° 7	16°18	26°30	20° 5	23°20	28°35	24° 4	27° 4	27°39	5° 0	n.a.	W23
T 24	5 11 49	19°14'18	21°15	2°26	3° 3	16°58	26°22	20° 1	23°20	28°34	24° 6	27°D 3	27°35	5° 7	n.a.	T 24
F 25	5 15 46	20°15'10	5♑14	2° 0	3°58	17°38	26°14	19°58	23°21	28°34	24° 8	27° 3	27°32	5°13	n.a.	F 25
S 26	5 19 42	21°16'00	19°25	1°24	4°55	18°18	26° 6	19°54	23°21	28°34	24° 9	27° 4	27°29	5°20	n.a.	S 26
S 27	5 23 39	22°16'48	3♒44	0°38	5°52	18°58	25°58	19°50	23°22	28°33	24°11	27° 4	27°26	5°27	n.a.	S 27
M28	5 27 35	23°17'35	18° 6	29♐44	6°49	19°38	25°50	19°46	23°22	28°33	24°13	27° 5	27°23	5°33	n.a.	M28
T 29	5 31 32	24°18'20	2♓27	28°43	7°47	20°18	25°42	19°42	23°23	28°32	24°15	27° 5	27°20	5°40	n.a.	T 29
W30	5 35 28	25°19'02	16°43	27°37	8°45	20°58	25°34	19°38	23°24	28°32	24°17	27° 5	27°16	5°47	n.a.	W30
T 31	5 39 25	26♐19'43	0♈52	26♐28	9♏44	21♎38	25♊27	19♋34	23♓24	28♌31	24♐18	27°R 5	27♐13	5♍54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s35	10s36	4n14	24s 3	2s 4	3s10	3n13	0n25	1n11	24n30	0n37	23n21	1n10	3s19	0s42	13n49	1n43	30s29	6s46	23s52	23s53	6n28		n.a.
W 2	19 49	5 6	4 51	24 18	2 2	3 19	3 17	0 8	1 10	24 30	0 37	23 21	1 10	3 19	0 42	13 48	1 43	30 29	6 46	23 52	23 53	6 25		n.a.
T 3	20 3	0n40	5 10	24 30	2 0	3 29	3 22	0s 8	1 10	24 30	0 37	23 22	1 10	3 19	0 42	13 48	1 43	30 29	6 46	23 52	23 53	6 22		n.a.
F 4	20 17	6 24	5 11	24 41	1 58	3 40	3 26	0 25	1 10	24 30	0 37	23 22	1 10	3 19	0 42	13 48	1 43	30 29	6 46	23 52	23 53	6 20		n.a.
S 5	20 31	11 48	4 52	24 50	1 54	3 51	3 29	0 41	1 9	24 30	0 37	23 23	1 10	3 19	0 42	13 48	1 43	30 29	6 46	23 52	23 53	6 17		n.a.
S 6	20 44	16 32	4 16	24 57	1 50	4 4	3 33	0 57	1 9	24 30	0 38	23 23	1 11	3 20	0 42	13 48	1 44	30 29	6 46	23 52	23 53	6 14		n.a.
M 7	20 56	20 18	3 25	25 2	1 45	4 16	3 36	1 14	1 9	24 31	0 38	23 24	1 11	3 20	0 42	13 48	1 44	30 29	6 46	23 52	23 53	6 11		n.a.
T 8	21 9	22 52	2 24	25 5	1 40	4 30	3 39	1 30	1 9	24 31	0 38	23 25	1 11	3 20	0 42	13 48	1 44	30 29	6 46	23 51	23 53	6 8		n.a.
W 9	21 21	24 4	1 15	25 6	1 33	4 44	3 41	1 46	1 8	24 31	0 38	23 25	1 11	3 20	0 42	13 48	1 44	30 29	6 46	23 51	23 53	6 6		n.a.
T 10	21 32	23 54	0 4	25 5	1 26	4 59	3 44	2 3	1 8	24 31	0 38	23 26	1 11	3 20	0 42	13 48	1 44	30 29	6 46	23 51	23 53	6 3		n.a.
F 11	21 43	22 28	1s 6	25 1	1 17	5 14	3 46	2 19	1 8	24 31	0 39	23 26	1 12	3 20	0 42	13 48	1 44	30 29	6 46	23 51	23 53	6 0		n.a.
S 12	21 54	19 57	2 11	24 55	1 8	5 29	3 48	2 35	1 7	24 31	0 39	23 27	1 12	3 20	0 42	13 48	1 44	30 30	6 46	23 51	23 53	5 57		n.a.
S 13	22 4	16 35	3 9	24 48	0 58	5 46	3 49	2 52	1 7	24 31	0 39	23 28	1 12	3 20	0 42	13 48	1 44	30 30	6 46	23 51	23 53	5 54		n.a.
M14	22 14	12 35	3 58	24 38	0 46	6 2	3 50	3 8	1 7	24 31	0 39	23 28	1 12	3 20	0 42	13 48	1 44	30 30	6 46	23 52	23 53	5 52		n.a.
T 15	22 23	8 9	4 36	24 27	0 34	6 19	3 51	3 24	1 6	24 31	0 39	23 29	1 12	3 20	0 42	13 48	1 44	30 30	6 46	23 52	23 53	5 49		n.a.
W16	22 32	3 26	5 2	24 14	0 20	6 37	3 52	3 40	1 6	24 31	0 40	23 29	1 13	3 20	0 42	13 48	1 44	30 30	6 46	23 52	23 52	5 46		n.a.
T 17	22 40	1s24	5 15	23 59	0 6	6 55	3 53	3 57	1 6	24 31	0 40	23 30	1 13	3 20	0 42	13 48	1 44	30 30	6 46	23 52	23 52	5 43		n.a.
F 18	22 48	6 15	5 14	23 43	0n10	7 13	3 53	4 13	1 5	24 31	0 40	23 31	1 13	3 20	0 42	13 49	1 44	30 30	6 46	23 52	23 52	5 41		n.a.
S 19	22 56	10 55	5 0	23 27	0 26	7 32	3 53	4 29	1 5	24 31	0 40	23 31	1 13	3 20	0 42	13 49	1 44	30 30	6 46	23 52	23 52	5 38		n.a.
S 20	23 3	15 15	4 31	23 9	0 43	7 50	3 53	4 45	1 4	24 31	0 40	23 32	1 13	3 20	0 42	13 49	1 44	30 30	6 46	23 51	23 52	5 35		n.a.
M21	23 9	19 1	3 48	22 51	1 1	8 9	3 53	5 1	1 4	24 31	0 40	23 33	1 13	3 20	0 41	13 49	1 45	30 31	6 46	23 51	23 52	5 32		n.a.
T 22	23 16	21 56	2 53	22 33	1 19	8 29	3 53	5 17	1 4	24 31	0 41	23 34	1 14	3 20	0 41	13 49	1 45	30 31	6 46	23 51	23 52	5 29		n.a.
W23	23 21	23 43	1 46	22 15	1 37	8 48	3 52	5 33	1 3	24 31	0 41	23 34	1 14	3 20	0 41	13 49	1 45	30 31	6 46	23 51	23 52	5 27		n.a.
T 24	23 27	24 8	0 32	21 57	1 55	9 8	3 52	5 49	1 3	24 31	0 41	23 35	1 14	3 19	0 41	13 49	1 45	30 31	6 46	23 51	23 52	5 24		n.a.
F 25	23 31	23 2	0n45	21 39	2 13	9 28	3 51	6 5	1 2	24 31	0 41	23 36	1 14	3 19	0 41	13 50	1 45	30 31	6 46	23 51	23 52	5 21		n.a.
S 26	23 36	20 28	2 1	21 22	2 31	9 48	3 50	6 21	1 2	24 31	0 41	23 36	1 14	3 19	0 41	13 50	1 45	30 31	6 46	23 51	23 52	5 18		n.a.
S 27	23 40	16 37	3 10	21 6	2 47	10 8	3 48	6 37	1 1	24 31	0 41	23 37	1 14	3 19	0 41	13 50	1 45	30 31	6 46	23 51	23 52	5 15		n.a.
M28	23 43	11 47	4 7	20 52	3 2	10 29	3 47	6 53	1 1	24 31	0 42	23 38	1 15	3 18	0 41	13 50	1 45	30 32	6 46	23 51	23 52	5 13		n.a.
T 29	23 46	6 19	4 49	20 38	3 15	10 49	3 46	7 9	1 0	24 31	0 42	23 39	1 15	3 18	0 41	13 50	1 45	30 32	6 46	23 51	23 52	5 10		n.a.
W30	23 48	0 34	5 12	20 26	3 26	11 9	3 44	7 24	1 0	24 31	0 42	23 39	1 15	3 18	0 41	13 51	1 45	30 32	6 47	23 51	23 52	5 7		n.a.
T 31	23s50	5n11	5n17	20s15	3n35	11s30	3n42	7s40	0n59	24n31	0n42	23n40	1n15	3s17	0s41	13n51	1n45	30s32	6s47	23s51	23s52	5n 4		n.a.

Julian Day Number = 1109598.5, Delta T = 10h53m52s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'47, Lahiri = -27°03'47 Julian Calendar 1 Dec. 1676 BCE == Greg. Calendar 17 Nov. 1676 BCE

The year -1675 astronomical counting style corresponds to year 1676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

JANUARY 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 43 22	27♐20'22	14♈52	25°R18	10♏43	22♎18	25°R19	19°R30	23♓25	28°R31	24♐20	27°D 5	27♐10	6♍ 0	n.a.	F 1
S 2	5 47 18	28°20'59	28°42	24♐ 8	11°43	22°58	25♊11	19♋25	23°26	28♌30	24°22	27♐ 5	27° 7	6° 7	n.a.	S 2
S 3	5 51 15	29°21'34	12♉20	23° 1	12°43	23°38	25° 3	19°21	23°27	28°30	24°24	27° 5	27° 4	6°14	n.a.	S 3
M 4	5 55 11	0♑22'07	25°46	21°58	13°44	24°18	24°55	19°17	23°28	28°29	24°26	27° 6	27° 0	6°20	n.a.	M 4
T 5	5 59 8	1°22'38	8♊59	20°59	14°44	24°58	24°47	19°13	23°29	28°28	24°28	27° 6	26°57	6°27	n.a.	T 5
W 6	6 3 4	2°23'08	21°58	20° 8	15°46	25°38	24°39	19° 8	23°30	28°27	24°29	27°R 6	26°54	6°34	n.a.	W 6
T 7	6 7 1	3°23'35	4♋45	19°23	16°47	26°18	24°31	19° 4	23°31	28°27	24°31	27° 6	26°51	6°41	n.a.	T 7
F 8	6 10 57	4°24'01	17°18	18°45	17°49	26°58	24°23	18°59	23°32	28°26	24°33	27° 6	26°48	6°47	n.a.	F 8
S 9	6 14 54	5°24'25	29°38	18°15	18°51	27°38	24°16	18°55	23°34	28°25	24°35	27° 5	26°45	6°54	n.a.	S 9
S 10	6 18 51	6°24'47	11♌48	17°52	19°54	28°18	24° 8	18°50	23°35	28°24	24°37	27° 4	26°41	7° 1	n.a.	S 10
M11	6 22 47	7°25'07	23°48	17°37	20°57	28°58	24° 1	18°45	23°36	28°23	24°38	27° 2	26°38	7° 7	n.a.	M11
T 12	6 26 44	8°25'26	5♍43	17°29	22° 0	29°38	23°53	18°41	23°38	28°23	24°40	27° 1	26°35	7°14	n.a.	T 12
W13	6 30 40	9°25'42	17°35	17°D28	23° 3	0♏18	23°46	18°36	23°39	28°22	24°42	26°59	26°32	7°21	n.a.	W13
T 14	6 34 37	10°25'58	29°28	17°33	24° 7	0°58	23°38	18°32	23°40	28°21	24°44	26°58	26°29	7°28	n.a.	T 14
F 15	6 38 33	11°26'11	11♎28	17°45	25°11	1°38	23°31	18°27	23°42	28°20	24°46	26°D58	26°26	7°34	n.a.	F 15
S 16	6 42 30	12°26'23	23°38	18° 3	26°15	2°18	23°24	18°22	23°43	28°19	24°47	26°58	26°22	7°41	n.a.	S 16
S 17	6 46 26	13°26'33	6♏ 3	18°26	27°19	2°58	23°17	18°17	23°45	28°18	24°49	26°59	26°19	7°48	n.a.	S 17
M18	6 50 23	14°26'41	18°48	18°54	28°24	3°38	23°10	18°13	23°47	28°17	24°51	27° 1	26°16	7°54	n.a.	M18
T 19	6 54 20	15°26'48	1♐55	19°27	29°29	4°18	23° 3	18° 8	23°48	28°16	24°53	27° 2	26°13	8° 1	n.a.	T 19
W20	6 58 16	16°26'52	15°26	20° 4	0♐34	4°58	22°56	18° 3	23°50	28°15	24°54	27° 3	26°10	8° 8	n.a.	W20
T 21	7 2 13	17°26'55	29°23	20°46	1°39	5°38	22°49	17°59	23°52	28°13	24°56	27°R 3	26° 6	8°15	n.a.	T 21
F 22	7 6 9	18°26'56	13♑41	21°31	2°45	6°18	22°43	17°54	23°54	28°12	24°58	27° 3	26° 3	8°21	n.a.	F 22
S 23	7 10 6	19°26'55	28°18	22°20	3°50	6°58	22°36	17°49	23°56	28°11	24°59	27° 1	26° 0	8°28	n.a.	S 23
S 24	7 14 2	20°26'52	13♒ 5	23°12	4°56	7°38	22°30	17°44	23°57	28°10	25° 1	26°58	25°57	8°35	n.a.	S 24
M25	7 17 59	21°26'46	27°56	24° 7	6° 2	8°18	22°24	17°40	23°59	28° 9	25° 3	26°55	25°54	8°41	n.a.	M25
T 26	7 21 55	22°26'38	12♓42	25° 5	7° 8	8°58	22°17	17°35	24° 1	28° 7	25° 4	26°51	25°51	8°48	n.a.	T 26
W27	7 25 52	23°26'27	27°17	26° 6	8°15	9°38	22°12	17°30	24° 3	28° 6	25° 6	26°48	25°47	8°55	n.a.	W27
T 28	7 29 49	24°26'15	11♈36	27° 9	9°21	10°18	22° 6	17°25	24° 5	28° 5	25° 8	26°46	25°44	9° 2	n.a.	T 28
F 29	7 33 45	25°25'59	25°36	28°15	10°28	10°58	22° 0	17°21	24° 8	28° 4	25° 9	26°D46	25°41	9° 8	n.a.	F 29
S 30	7 37 42	26°25'41	9♉17	29°23	11°35	11°38	21°55	17°16	24°10	28° 2	25°11	26°46	25°38	9°15	n.a.	S 30
S 31	7 41 38	27♑25'21	22♉39	0♑33	12♐42	12♏17	21♊49	17♋11	24♓12	28♌ 1	25♐13	26♐48	25♐35	9♍22	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s52	10n36	5n 2	20s 6	3n42	11s50	3n40	7s56	0n59	24n30	0n42	23n41	1n15	3s17	0s41	13n51	1n45	30s32	6s47	23s51	23s52	5n 2		n.a.
S 2	23 53	15 25	4 30	19 59	3 47	12 11	3 38	8 11	0 58	24 30	0 42	23 42	1 15	3 17	0 41	13 51	1 45	30 32	6 47	23 51	23 51	4 59		n.a.
S 3	23 53	19 22	3 44	19 53	3 49	12 31	3 36	8 27	0 58	24 30	0 42	23 43	1 16	3 16	0 41	13 52	1 45	30 33	6 47	23 51	23 51	4 56		n.a.
M 4	23 53	22 14	2 45	19 50	3 49	12 52	3 34	8 42	0 57	24 30	0 43	23 43	1 16	3 16	0 41	13 52	1 45	30 33	6 47	23 51	23 51	4 53		n.a.
T 5	23 53	23 50	1 39	19 48	3 47	13 12	3 31	8 58	0 57	24 30	0 43	23 44	1 16	3 15	0 41	13 52	1 45	30 33	6 47	23 51	23 51	4 50		n.a.
W 6	23 52	24 7	0 28	19 49	3 43	13 32	3 29	9 13	0 56	24 30	0 43	23 45	1 16	3 15	0 41	13 53	1 46	30 33	6 47	23 51	23 51	4 48		n.a.
T 7	23 51	23 6	0s42	19 51	3 37	13 53	3 26	9 28	0 56	24 29	0 43	23 46	1 16	3 15	0 41	13 53	1 46	30 33	6 47	23 51	23 51	4 45		n.a.
F 8	23 49	20 56	1 50	19 55	3 30	14 13	3 23	9 44	0 55	24 29	0 43	23 46	1 16	3 14	0 41	13 53	1 46	30 33	6 47	23 51	23 51	4 42		n.a.
S 9	23 47	17 50	2 51	20 0	3 22	14 33	3 20	9 59	0 55	24 29	0 43	23 47	1 16	3 13	0 41	13 54	1 46	30 34	6 47	23 51	23 51	4 39		n.a.
S 10	23 44	14 0	3 43	20 8	3 13	14 53	3 17	10 14	0 54	24 29	0 43	23 48	1 16	3 13	0 41	13 54	1 46	30 34	6 47	23 51	23 51	4 37		n.a.
M11	23 41	9 41	4 25	20 16	3 2	15 12	3 14	10 29	0 53	24 28	0 43	23 49	1 17	3 12	0 41	13 54	1 46	30 34	6 48	23 51	23 51	4 34		n.a.
T 12	23 37	5 2	4 55	20 26	2 52	15 32	3 11	10 44	0 53	24 28	0 43	23 50	1 17	3 12	0 41	13 55	1 46	30 34	6 48	23 51	23 51	4 31		n.a.
W13	23 33	0 13	5 12	20 37	2 41	15 51	3 8	10 59	0 52	24 28	0 44	23 50	1 17	3 11	0 41	13 55	1 46	30 34	6 48	23 51	23 51	4 28		n.a.
T 14	23 28	4s36	5 16	20 49	2 29	16 10	3 5	11 14	0 51	24 28	0 44	23 51	1 17	3 11	0 41	13 55	1 46	30 34	6 48	23 51	23 51	4 25		n.a.
F 15	23 23	9 18	5 6	21 2	2 17	16 29	3 1	11 28	0 51	24 27	0 44	23 52	1 17	3 10	0 40	13 56	1 46	30 35	6 48	23 51	23 50	4 23		n.a.
S 16	23 18	13 42	4 43	21 15	2 5	16 48	2 58	11 43	0 50	24 27	0 44	23 53	1 17	3 9	0 40	13 56	1 46	30 35	6 48	23 51	23 50	4 20		n.a.
S 17	23 12	17 38	4 6	21 29	1 54	17 6	2 54	11 58	0 49	24 27	0 44	23 53	1 17	3 9	0 40	13 57	1 46	30 35	6 48	23 51	23 50	4 17		n.a.
M18	23 5	20 52	3 16	21 44	1 42	17 24	2 51	12 12	0 49	24 27	0 44	23 54	1 17	3 8	0 40	13 57	1 46	30 35	6 48	23 51	23 50	4 14		n.a.
T 19	22 59	23 8	2 14	21 58	1 30	17 42	2 47	12 26	0 48	24 26	0 44	23 55	1 18	3 7	0 40	13 57	1 46	30 35	6 49	23 51	23 50	4 12		n.a.
W20	22 51	24 8	1 4	22 13	1 18	17 59	2 44	12 41	0 47	24 26	0 44	23 56	1 18	3 6	0 40	13 58	1 46	30 36	6 49	23 51	23 50	4 9		n.a.
T 21	22 44	23 40	0n13	22 27	1 7	18 16	2 40	12 55	0 47	24 26	0 44	23 56	1 18	3 6	0 40	13 58	1 46	30 36	6 49	23 51	23 50	4 6		n.a.
F 22	22 35	21 40	1 30	22 42	0 55	18 33	2 36	13 9	0 46	24 25	0 44	23 57	1 18	3 5	0 40	13 59	1 46	30 36	6 49	23 51	23 50	4 3		n.a.
S 23	22 27	18 13	2 44	22 56	0 44	18 49	2 32	13 23	0 45	24 25	0 44	23 58	1 18	3 4	0 40	13 59	1 46	30 36	6 49	23 51	23 50	4 0		n.a.
S 24	22 18	13 35	3 47	23 10	0 33	19 5	2 28	13 37	0 44	24 25	0 44	23 59	1 18	3 3	0 40	14 0	1 47	30 37	6 49	23 51	23 50	3 58		n.a.
M25	22 9	8 8	4 35	23 23	0 23	19 21	2 24	13 51	0 44	24 24	0 45	23 59	1 18	3 3	0 40	14 0	1 47	30 37	6 49	23 51	23 49	3 55		n.a.
T 26	21 59	2 15	5 4	23 36	0 12	19 36	2 20	14 5	0 43	24 24	0 45	24 0	1 18	3 2	0 40	14 1	1 47	30 37	6 49	23 51	23 49	3 52		n.a.
W27	21 49	3n41	5 14	23 48	0 2	19 51	2 16	14 18	0 42	24 24	0 45	24 1	1 18	3 1	0 40	14 1	1 47	30 37	6 50	23 51	23 49	3 49		n.a.
T 28	21 38	9 18	5 3	23 59	0s 8	20 5	2 12	14 32	0 41	24 24	0 45	24 1	1 18	3 0	0 40	14 2	1 47	30 37	6 50	23 51	23 49	3 47		n.a.
F 29	21 27	14 20	4 35	24 10	0 17	20 19	2 8	14 45	0 40	24 23	0 45	24 2	1 18	2 59	0 40	14 2	1 47	30 38	6 50	23 51	23 49	3 44		n.a.
S 30	21 16	18 30	3 52	24 19	0 26	20 33	2 4	14 59	0 40	24 23	0 45	24 3	1 18	2 58	0 40	14 3	1 47	30 38	6 50	23 51	23 49	3 41		n.a.
S 31	21s 4	21n37	2n56	24s28	0s35	20s46	2n 0	15s12	0n39	24n23	0n45	24n 4	1n19	2s57	0s40	14n 3	1n47	30s38	6s50	23s51	23s49	3n38		n.a.

Julian Day Number = 1109629.5, Delta T = 10h53m51s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'43, Lahiri = -27°03'43 Julian Calendar 1 Jan. 1675 BCE == Greg. Calendar 18 Dec. 1676 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

FEBRUARY 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 45 35	28♉24'58	5♊45	1♉45	13♐49	12♏57	21°R44	17°R 7	24♓14	28°R 0	25♐14	26♐49	25♐32	9♍28	n.a.	M 1
T 2	7 49 31	29°24'33	18°35	2°59	14°56	13°37	21♊39	17♋ 2	24°16	27♌58	25°16	26°51	25°28	9°35	n.a.	T 2
W 3	7 53 28	0♒24'06	1♋13	4°15	16° 3	14°17	21°34	16°58	24°19	27°57	25°17	26°R51	25°25	9°42	n.a.	W 3
T 4	7 57 24	1°23'36	13°41	5°32	17°11	14°57	21°29	16°53	24°21	27°55	25°19	26°49	25°22	9°49	n.a.	T 4
F 5	8 1 21	2°23'04	25°58	6°52	18°19	15°36	21°25	16°49	24°24	27°54	25°20	26°46	25°19	9°55	n.a.	F 5
S 6	8 5 17	3°22'30	8♌ 7	8°13	19°26	16°16	21°21	16°44	24°26	27°53	25°22	26°41	25°16	10° 2	n.a.	S 6
S 7	8 9 14	4°21'53	20°10	9°35	20°34	16°56	21°16	16°40	24°28	27°51	25°23	26°35	25°12	10° 9	n.a.	S 7
M 8	8 13 11	5°21'15	2♍ 7	11° 0	21°42	17°36	21°12	16°35	24°31	27°50	25°25	26°28	25° 9	10°16	n.a.	M 8
T 9	8 17 7	6°20'34	14° 0	12°25	22°50	18°15	21° 8	16°31	24°33	27°48	25°26	26°20	25° 6	10°22	n.a.	T 9
W10	8 21 4	7°19'51	25°52	13°53	23°59	18°55	21° 5	16°27	24°36	27°47	25°28	26°13	25° 3	10°29	n.a.	W10
T 11	8 25 0	8°19'06	7♎46	15°21	25° 7	19°35	21° 1	16°22	24°39	27°45	25°29	26° 8	25° 0	10°36	n.a.	T 11
F 12	8 28 57	9°18'19	19°44	16°52	26°16	20°14	20°58	16°18	24°41	27°44	25°31	26° 4	24°57	10°42	n.a.	F 12
S 13	8 32 53	10°17'30	1♏52	18°23	27°24	20°54	20°55	16°14	24°44	27°42	25°32	26° 2	24°53	10°49	n.a.	S 13
S 14	8 36 50	11°16'40	14°13	19°56	28°33	21°34	20°52	16°10	24°47	27°40	25°33	26°D 1	24°50	10°56	n.a.	S 14
M15	8 40 46	12°15'47	26°52	21°31	29°41	22°13	20°49	16° 6	24°49	27°39	25°35	26° 2	24°47	11° 3	n.a.	M15
T 16	8 44 43	13°14'52	9♐55	23° 7	0♉50	22°53	20°46	16° 2	24°52	27°37	25°36	26° 3	24°44	11° 9	n.a.	T 16
W17	8 48 39	14°13'56	23°23	24°44	1°59	23°32	20°44	15°58	24°55	27°36	25°37	26°R 4	24°41	11°16	n.a.	W17
T 18	8 52 36	15°12'58	7♉20	26°23	3° 8	24°12	20°42	15°54	24°58	27°34	25°39	26° 4	24°38	11°23	n.a.	T 18
F 19	8 56 33	16°11'57	21°44	28° 3	4°17	24°51	20°40	15°51	25° 1	27°33	25°40	26° 1	24°34	11°29	n.a.	F 19
S 20	9 0 29	17°10'55	6♒32	29°45	5°27	25°31	20°38	15°47	25° 3	27°31	25°41	25°56	24°31	11°36	n.a.	S 20
S 21	9 4 26	18° 9'50	21°37	1♒28	6°36	26°10	20°36	15°43	25° 6	27°29	25°42	25°50	24°28	11°43	n.a.	S 21
M22	9 8 22	19° 8'43	6♓49	3°13	7°45	26°50	20°35	15°40	25° 9	27°28	25°44	25°42	24°25	11°50	n.a.	M22
T 23	9 12 19	20° 7'34	21°58	4°59	8°55	27°29	20°33	15°36	25°12	27°26	25°45	25°33	24°22	11°56	n.a.	T 23
W24	9 16 15	21° 6'23	6♈54	6°46	10° 4	28° 8	20°32	15°33	25°15	27°25	25°46	25°26	24°18	12° 3	n.a.	W24
T 25	9 20 12	22° 5'09	21°29	8°35	11°14	28°47	20°31	15°29	25°18	27°23	25°47	25°20	24°15	12°10	n.a.	T 25
F 26	9 24 8	23° 3'52	5♉39	10°25	12°23	29°26	20°30	15°26	25°21	27°21	25°48	25°17	24°12	12°16	n.a.	F 26
S 27	9 28 5	24° 2'34	19°23	12°17	13°33	0♑ 6	20°30	15°23	25°24	27°20	25°49	25°D15	24° 9	12°23	n.a.	S 27
S 28	9 32 1	25♒ 1'13	2♊43	14♒11	14♉43	0♑45	20♊30	15♋20	25♓27	27♌18	25♐51	25♐16	24♐ 6	12♍30	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20s52	23n31	1n53	24s36	0s43	20s58	1n56	15s25	0n38	24n22	0n45	24n 4	1n19	2s56	0s40	14n 4	1n47	30s38	6s50	23s51	23s49	3n35		n.a.
T 2	20 39	24 8	0 45	24 43	0 52	21 10	1 52	15 38	0 37	24 22	0 45	24 5	1 19	2 55	0 40	14 4	1 47	30 39	6 51	23 51	23 49	3 33		n.a.
W 3	20 27	23 29	0s24	24 48	0 59	21 22	1 48	15 51	0 36	24 22	0 45	24 5	1 19	2 54	0 40	14 5	1 47	30 39	6 51	23 51	23 49	3 30		n.a.
T 4	20 13	21 40	1 31	24 53	1 7	21 33	1 44	16 4	0 35	24 22	0 45	24 6	1 19	2 53	0 40	14 5	1 47	30 39	6 51	23 51	23 48	3 27		n.a.
F 5	20 0	18 52	2 32	24 56	1 14	21 43	1 39	16 17	0 34	24 21	0 45	24 7	1 19	2 52	0 40	14 6	1 47	30 39	6 51	23 51	23 48	3 24		n.a.
S 6	19 46	15 16	3 26	24 58	1 20	21 53	1 35	16 29	0 33	24 21	0 45	24 7	1 19	2 51	0 40	14 6	1 47	30 39	6 51	23 51	23 48	3 22		n.a.
S 7	19 32	11 6	4 10	24 59	1 27	22 2	1 31	16 42	0 32	24 21	0 45	24 8	1 19	2 50	0 40	14 7	1 47	30 40	6 52	23 51	23 48	3 19		n.a.
M 8	19 17	6 32	4 42	24 58	1 33	22 11	1 27	16 54	0 31	24 21	0 45	24 9	1 19	2 49	0 40	14 7	1 47	30 40	6 52	23 50	23 48	3 16		n.a.
T 9	19 2	1 46	5 2	24 55	1 38	22 19	1 23	17 6	0 30	24 20	0 45	24 9	1 19	2 48	0 40	14 8	1 47	30 40	6 52	23 50	23 48	3 13		n.a.
W10	18 47	3s 2	5 9	24 52	1 43	22 27	1 18	17 18	0 29	24 20	0 45	24 10	1 19	2 47	0 40	14 9	1 47	30 40	6 52	23 50	23 48	3 11		n.a.
T 11	18 32	7 45	5 3	24 46	1 48	22 34	1 14	17 30	0 28	24 20	0 45	24 10	1 19	2 46	0 40	14 9	1 47	30 41	6 52	23 50	23 48	3 8		n.a.
F 12	18 16	12 13	4 43	24 39	1 52	22 40	1 10	17 42	0 27	24 20	0 45	24 11	1 19	2 45	0 40	14 10	1 47	30 41	6 52	23 50	23 47	3 5		n.a.
S 13	18 0	16 15	4 11	24 31	1 56	22 46	1 6	17 54	0 26	24 19	0 45	24 11	1 19	2 44	0 40	14 10	1 47	30 41	6 53	23 50	23 47	3 2		n.a.
S 14	17 43	19 41	3 27	24 21	1 59	22 51	1 2	18 6	0 25	24 19	0 45	24 12	1 19	2 43	0 39	14 11	1 47	30 41	6 53	23 50	23 47	3 0		n.a.
M15	17 26	22 16	2 31	24 9	2 2	22 56	0 57	18 17	0 24	24 19	0 45	24 13	1 19	2 42	0 39	14 11	1 47	30 42	6 53	23 50	23 47	2 57		n.a.
T 16	17 9	23 46	1 26	23 55	2 5	23 0	0 53	18 28	0 23	24 19	0 45	24 13	1 19	2 41	0 39	14 12	1 47	30 42	6 53	23 50	23 47	2 54		n.a.
W17	16 52	23 58	0 14	23 40	2 7	23 3	0 49	18 40	0 22	24 19	0 45	24 14	1 19	2 39	0 39	14 13	1 47	30 42	6 53	23 50	23 47	2 51		n.a.
T 18	16 35	22 41	1n 0	23 23	2 9	23 6	0 45	18 51	0 21	24 19	0 45	24 14	1 19	2 38	0 39	14 13	1 47	30 42	6 54	23 50	23 47	2 48		n.a.
F 19	16 17	19 54	2 14	23 4	2 10	23 8	0 41	19 2	0 19	24 18	0 45	24 14	1 19	2 37	0 39	14 14	1 47	30 43	6 54	23 50	23 47	2 46		n.a.
S 20	15 59	15 46	3 20	22 43	2 11	23 9	0 37	19 12	0 18	24 18	0 45	24 15	1 19	2 36	0 39	14 14	1 47	30 43	6 54	23 50	23 46	2 43		n.a.
S 21	15 40	10 34	4 13	22 20	2 11	23 10	0 33	19 23	0 17	24 18	0 45	24 15	1 19	2 35	0 39	14 15	1 47	30 43	6 54	23 49	23 46	2 40		n.a.
M22	15 22	4 42	4 49	21 55	2 11	23 10	0 29	19 34	0 16	24 18	0 45	24 16	1 19	2 34	0 39	14 15	1 47	30 43	6 55	23 49	23 46	2 37		n.a.
T 23	15 3	1n25	5 5	21 29	2 10	23 10	0 25	19 44	0 15	24 18	0 45	24 16	1 19	2 32	0 39	14 16	1 47	30 44	6 55	23 49	23 46	2 35		n.a.
W24	14 44	7 21	5 0	21 0	2 9	23 9	0 21	19 54	0 13	24 18	0 45	24 17	1 19	2 31	0 39	14 17	1 47	30 44	6 55	23 49	23 46	2 32		n.a.
T 25	14 25	12 46	4 35	20 29	2 7	23 7	0 17	20 4	0 12	24 18	0 45	24 17	1 19	2 30	0 39	14 17	1 48	30 44	6 55	23 48	23 46	2 29		n.a.
F 26	14 5	17 19	3 53	19 57	2 4	23 5	0 14	20 14	0 11	24 18	0 45	24 17	1 19	2 29	0 39	14 18	1 48	30 44	6 55	23 48	23 46	2 26		n.a.
S 27	13 45	20 47	3 0	19 22	2 2	23 1	0 10	20 24	0 9	24 18	0 45	24 18	1 19	2 27	0 39	14 18	1 48	30 45	6 56	23 48	23 45	2 24		n.a.
S 28	13s25	23n 1	1n58	18s46	1s58	22s58	0n 6	20s34	0n 8	24n18	0n45	24n18	1n19	2s26	0s39	14n19	1n48	30s45	6s56	23s48	23s45	2n21		n.a.

Julian Day Number = 1109660.5, Delta T = 10h53m49s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'39, Lahiri = -27°03'38 Julian Calendar 1 Feb. 1675 BCE == Greg. Calendar 18 Jan. 1675 BCE

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

MARCH 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 35 58	25♒59'49	15♊40	16♒ 5	15♉52	1♐24	20°D29	15°R17	25♓31	27°R16	25♐52	25♐16	24♐ 3	12♍37	n.a.	M 1
T 2	9 39 55	26°58'23	28°19	18° 2	17° 2	2° 3	20♊29	15♋14	25°34	27♌15	25°53	25°R17	23°59	12°43	n.a.	T 2
W 3	9 43 51	27°56'55	10♋43	19°59	18°12	2°42	20°30	15°11	25°37	27°13	25°54	25°15	23°56	12°50	n.a.	W 3
T 4	9 47 48	28°55'25	22°56	21°59	19°22	3°21	20°30	15° 8	25°40	27°11	25°55	25°12	23°53	12°57	n.a.	T 4
F 5	9 51 44	29°53'52	5♌ 2	23°59	20°32	4° 0	20°31	15° 5	25°43	27°10	25°56	25° 6	23°50	13° 4	n.a.	F 5
S 6	9 55 41	0♓52'17	17° 1	26° 1	21°42	4°38	20°31	15° 3	25°46	27° 8	25°57	24°57	23°47	13°10	n.a.	S 6
S 7	9 59 37	1°50'40	28°57	28° 4	22°52	5°17	20°32	15° 0	25°50	27° 7	25°58	24°46	23°44	13°17	n.a.	S 7
M 8	10 3 34	2°49'01	10♍51	0♓ 9	24° 2	5°56	20°33	14°58	25°53	27° 5	25°58	24°34	23°40	13°24	n.a.	M 8
T 9	10 7 30	3°47'20	22°43	2°14	25°13	6°35	20°35	14°56	25°56	27° 3	25°59	24°21	23°37	13°30	n.a.	T 9
W10	10 11 27	4°45'37	4♎37	4°20	26°23	7°13	20°36	14°53	25°59	27° 2	26° 0	24° 8	23°34	13°37	n.a.	W10
T 11	10 15 23	5°43'52	16°32	6°28	27°33	7°52	20°38	14°51	26° 3	27° 0	26° 1	23°58	23°31	13°44	n.a.	T 11
F 12	10 19 20	6°42'06	28°33	8°35	28°44	8°30	20°40	14°49	26° 6	26°58	26° 2	23°50	23°28	13°51	n.a.	F 12
S 13	10 23 17	7°40'18	10♏41	10°43	29°54	9° 9	20°42	14°47	26° 9	26°57	26° 3	23°44	23°24	13°57	n.a.	S 13
S 14	10 27 13	8°38'28	23° 2	12°51	1♒ 5	9°47	20°44	14°45	26°13	26°55	26° 3	23°41	23°21	14° 4	n.a.	S 14
M15	10 31 10	9°36'36	5♐38	14°59	2°15	10°26	20°47	14°44	26°16	26°54	26° 4	23°D40	23°18	14°11	n.a.	M15
T 16	10 35 6	10°34'43	18°35	17° 7	3°26	11° 4	20°49	14°42	26°19	26°52	26° 5	23°R40	23°15	14°17	n.a.	T 16
W17	10 39 3	11°32'49	1♑57	19°14	4°37	11°42	20°52	14°40	26°23	26°50	26° 6	23°40	23°12	14°24	n.a.	W17
T 18	10 42 59	12°30'53	15°46	21°20	5°47	12°20	20°55	14°39	26°26	26°49	26° 6	23°39	23° 9	14°31	n.a.	T 18
F 19	10 46 56	13°28'55	0♒ 4	23°24	6°58	12°58	20°58	14°37	26°29	26°47	26° 7	23°35	23° 5	14°38	n.a.	F 19
S 20	10 50 52	14°26'56	14°48	25°27	8° 9	13°36	21° 1	14°36	26°33	26°46	26° 7	23°29	23° 2	14°44	n.a.	S 20
S 21	10 54 49	15°24'55	29°54	27°28	9°20	14°14	21° 5	14°35	26°36	26°44	26° 8	23°20	22°59	14°51	n.a.	S 21
M22	10 58 46	16°22'52	15♓12	29°27	10°30	14°52	21° 8	14°34	26°40	26°43	26° 9	23°10	22°56	14°58	n.a.	M22
T 23	11 2 42	17°20'47	0♈31	1♈23	11°41	15°29	21°12	14°33	26°43	26°41	26° 9	22°59	22°53	15° 5	n.a.	T 23
W24	11 6 39	18°18'41	15°39	3°16	12°52	16° 7	21°16	14°32	26°47	26°40	26°10	22°49	22°49	15°11	n.a.	W24
T 25	11 10 35	19°16'33	0♉28	5° 7	14° 3	16°45	21°20	14°31	26°50	26°38	26°10	22°40	22°46	15°18	n.a.	T 25
F 26	11 14 32	20°14'23	14°49	6°55	15°14	17°22	21°24	14°31	26°53	26°37	26°11	22°35	22°43	15°25	n.a.	F 26
S 27	11 18 28	21°12'11	28°42	8°39	16°25	17°59	21°29	14°30	26°57	26°35	26°11	22°32	22°40	15°31	n.a.	S 27
S 28	11 22 25	22° 9'58	12♊ 6	10°20	17°36	18°36	21°33	14°30	27° 0	26°34	26°11	22°31	22°37	15°38	n.a.	S 28
M29	11 26 21	23° 7'42	25° 4	11°58	18°47	19°14	21°38	14°29	27° 4	26°32	26°12	22°31	22°34	15°45	n.a.	M29
T 30	11 30 18	24° 5'25	7♋40	13°32	19°59	19°51	21°43	14°29	27° 7	26°31	26°12	22°30	22°30	15°52	n.a.	T 30
W31	11 34 14	25♓ 3'06	20♋ 0	15♈ 3	21♒10	20♐27	21♊48	14♋29	27♓11	26♌30	26♐12	22♐29	22♐27	15♍58	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s 5	23n57	0n51	18s 7	1s54	22s53	0n 2	20s43	0n 7	24n18	0n45	24n19	1n19	2s25	0s39	14n20	1n48	30s45	6s56	23s48	23s45	2n18		n.a.
T 2	12 45	23 36	0s16	17 27	1 50	22 48	0s 1	20 52	0 5	24 18	0 45	24 19	1 19	2 24	0 39	14 20	1 48	30 46	6 56	23 48	23 45	2 15		n.a.
W 3	12 25	22 6	1 21	16 44	1 45	22 42	0 5	21 2	0 4	24 18	0 45	24 19	1 19	2 22	0 39	14 21	1 48	30 46	6 57	23 48	23 45	2 13		n.a.
T 4	12 4	19 34	2 22	16 0	1 39	22 36	0 9	21 11	0 3	24 18	0 45	24 20	1 19	2 21	0 39	14 21	1 48	30 46	6 57	23 48	23 45	2 10		n.a.
F 5	11 43	16 13	3 15	15 14	1 33	22 29	0 12	21 20	0 1	24 18	0 45	24 20	1 19	2 20	0 39	14 22	1 48	30 46	6 57	23 48	23 45	2 7		n.a.
S 6	11 22	12 14	3 59	14 26	1 26	22 21	0 16	21 28	0s 0	24 18	0 45	24 20	1 19	2 18	0 39	14 22	1 48	30 47	6 57	23 47	23 44	2 4		n.a.
S 7	11 1	7 49	4 32	13 36	1 19	22 13	0 19	21 37	0 2	24 18	0 45	24 20	1 19	2 17	0 39	14 23	1 48	30 47	6 58	23 47	23 44	2 2		n.a.
M 8	10 40	3 8	4 53	12 44	1 11	22 4	0 22	21 45	0 3	24 18	0 45	24 21	1 19	2 16	0 39	14 24	1 48	30 47	6 58	23 47	23 44	1 59		n.a.
T 9	10 18	1s39	5 1	11 51	1 3	21 55	0 26	21 54	0 5	24 18	0 45	24 21	1 19	2 14	0 39	14 24	1 48	30 47	6 58	23 46	23 44	1 56		n.a.
W10	9 57	6 23	4 56	10 56	0 54	21 45	0 29	22 2	0 6	24 18	0 45	24 21	1 19	2 13	0 39	14 25	1 48	30 48	6 58	23 45	23 44	1 53		n.a.
T 11	9 35	10 53	4 39	10 0	0 45	21 34	0 32	22 10	0 8	24 18	0 45	24 21	1 19	2 12	0 39	14 25	1 48	30 48	6 58	23 45	23 44	1 51		n.a.
F 12	9 13	15 1	4 9	9 2	0 35	21 22	0 35	22 18	0 9	24 18	0 45	24 22	1 19	2 10	0 39	14 26	1 48	30 48	6 59	23 45	23 43	1 48		n.a.
S 13	8 51	18 34	3 27	8 4	0 25	21 10	0 38	22 25	0 11	24 18	0 45	24 22	1 19	2 9	0 39	14 26	1 48	30 49	6 59	23 44	23 43	1 45		n.a.
S 14	8 29	21 22	2 35	7 5	0 14	20 58	0 41	22 33	0 13	24 18	0 45	24 22	1 19	2 8	0 39	14 27	1 48	30 49	6 59	23 44	23 43	1 42		n.a.
M15	8 7	23 11	1 34	6 5	0 4	20 45	0 44	22 40	0 14	24 19	0 45	24 22	1 19	2 6	0 39	14 28	1 48	30 49	6 59	23 44	23 43	1 40		n.a.
T 16	7 44	23 50	0 27	5 4	0n 7	20 31	0 47	22 47	0 16	24 19	0 45	24 22	1 19	2 5	0 39	14 28	1 48	30 49	7 0	23 44	23 43	1 37		n.a.
W17	7 22	23 9	0n44	4 4	0 18	20 16	0 50	22 54	0 18	24 19	0 45	24 22	1 19	2 3	0 39	14 29	1 48	30 50	7 0	23 44	23 43	1 34		n.a.
T 18	6 59	21 3	1 54	3 4	0 29	20 2	0 53	23 1	0 19	24 19	0 45	24 23	1 19	2 2	0 39	14 29	1 48	30 50	7 0	23 44	23 42	1 31		n.a.
F 19	6 37	17 36	3 0	2 4	0 40	19 46	0 55	23 8	0 21	24 19	0 45	24 23	1 19	2 1	0 39	14 30	1 48	30 50	7 0	23 44	23 42	1 29		n.a.
S 20	6 14	12 57	3 55	1 4	0 51	19 30	0 58	23 14	0 23	24 20	0 45	24 23	1 19	1 59	0 39	14 30	1 48	30 50	7 1	23 44	23 42	1 26		n.a.
S 21	5 51	7 25	4 36	0 5	1 1	19 13	1 0	23 21	0 25	24 20	0 45	24 23	1 19	1 58	0 39	14 31	1 48	30 51	7 1	23 43	23 42	1 23		n.a.
M22	5 28	1 23	4 58	0n52	1 12	18 56	1 3	23 27	0 26	24 20	0 45	24 23	1 19	1 57	0 39	14 31	1 48	30 51	7 1	23 43	23 42	1 21		n.a.
T 23	5 5	4n45	4 58	1 49	1 22	18 39	1 5	23 33	0 28	24 20	0 45	24 23	1 19	1 55	0 39	14 32	1 48	30 51	7 2	23 42	23 42	1 18		n.a.
W24	4 42	10 31	4 37	2 44	1 32	18 20	1 7	23 39	0 30	24 20	0 45	24 23	1 19	1 54	0 39	14 32	1 48	30 52	7 2	23 41	23 41	1 15		n.a.
T 25	4 19	15 33	3 58	3 37	1 41	18 2	1 10	23 45	0 32	24 21	0 45	24 23	1 19	1 52	0 39	14 33	1 47	30 52	7 2	23 41	23 41	1 12		n.a.
F 26	3 56	19 32	3 5	4 28	1 50	17 43	1 12	23 50	0 34	24 21	0 45	24 23	1 19	1 51	0 39	14 33	1 47	30 52	7 2	23 41	23 41	1 10		n.a.
S 27	3 33	22 14	2 2	5 18	1 58	17 23	1 14	23 56	0 36	24 21	0 45	24 23	1 19	1 50	0 39	14 34	1 47	30 52	7 3	23 40	23 41	1 7		n.a.
S 28	3 10	23 34	0 55	6 6	2 6	17 3	1 16	24 1	0 38	24 22	0 45	24 23	1 19	1 48	0 39	14 34	1 47	30 53	7 3	23 40	23 41	1 4		n.a.
M29	2 47	23 34	0s14	6 51	2 13	16 42	1 18	24 6	0 40	24 22	0 45	24 23	1 18	1 47	0 39	14 35	1 47	30 53	7 3	23 40	23 41	1 1		n.a.
T 30	2 23	22 21	1 19	7 34	2 19	16 21	1 20	24 11	0 42	24 22	0 45	24 23	1 18	1 45	0 39	14 35	1 47	30 53	7 3	23 40	23 40	0 59		n.a.
W31	2s 0	20n 4	2s20	8n15	2n25	16s 0	1s22	24s16	0s44	24n22	0n45	24n23	1n18	1s44	0s39	14n36	1n47	30s53	7s 4	23s40	23s40	0n56		n.a.

Julian Day Number = 1109688.5, Delta T = 10h53m47s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'35, Lahiri = -27°03'35 Julian Calendar 1 March 1675 BCE == Greg. Calendar 15 Feb. 1675 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

APRIL 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 38 11	26♓ 0'45	2♌ 7	16♈29	22♒21	21♐ 4	21♊54	14°D29	27♓14	26°R28	26♐13	22°R25	22♐24	16♍ 5	n.a.	T 1
F 2	11 42 8	26°58'22	14° 6	17°53	23°32	21°41	21°59	14♋29	27°18	26♌27	26°13	22♐18	22°21	16°12	n.a.	F 2
S 3	11 46 4	27°55'58	26° 0	19°12	24°43	22°17	22° 4	14°29	27°21	26°25	26°13	22° 9	22°18	16°19	n.a.	S 3
S 4	11 50 1	28°53'32	7♍53	20°27	25°55	22°54	22°10	14°29	27°25	26°24	26°13	21°57	22°15	16°25	n.a.	S 4
M 5	11 53 57	29°51'05	19°45	21°39	27° 6	23°30	22°16	14°30	27°28	26°23	26°14	21°44	22°11	16°32	n.a.	M 5
T 6	11 57 54	0♈48'36	1♎39	22°47	28°17	24° 6	22°22	14°30	27°31	26°22	26°14	21°30	22° 8	16°39	n.a.	T 6
W 7	12 1 50	1°46'05	13°36	23°50	29°29	24°43	22°28	14°31	27°35	26°20	26°14	21°17	22° 5	16°45	n.a.	W 7
T 8	12 5 47	2°43'34	25°38	24°50	0♓40	25°18	22°34	14°31	27°38	26°19	26°14	21° 5	22° 2	16°52	n.a.	T 8
F 9	12 9 43	3°41'01	7♏45	25°45	1°52	25°54	22°41	14°32	27°42	26°18	26°14	20°56	21°59	16°59	n.a.	F 9
S 10	12 13 40	4°38'28	20° 1	26°36	3° 3	26°30	22°47	14°33	27°45	26°17	26°14	20°50	21°55	17° 6	n.a.	S 10
S 11	12 17 37	5°35'53	2♐27	27°23	4°15	27° 5	22°54	14°34	27°49	26°15	26°14	20°47	21°52	17°12	n.a.	S 11
M12	12 21 33	6°33'17	15° 7	28° 6	5°26	27°41	23° 1	14°35	27°52	26°14	26°R14	20°D46	21°49	17°19	n.a.	M12
T 13	12 25 30	7°30'41	28° 5	28°44	6°38	28°16	23° 8	14°36	27°56	26°13	26°14	20°46	21°46	17°26	n.a.	T 13
W14	12 29 26	8°28'03	11♑23	29°18	7°49	28°51	23°15	14°38	27°59	26°12	26°14	20°R46	21°43	17°32	n.a.	W14
T 15	12 33 23	9°25'25	25° 5	29°47	9° 1	29°26	23°22	14°39	28° 2	26°11	26°14	20°45	21°40	17°39	n.a.	T 15
F 16	12 37 19	10°22'46	9♒12	0♉11	10°13	0♑ 1	23°29	14°40	28° 6	26°10	26°14	20°42	21°36	17°46	n.a.	F 16
S 17	12 41 16	11°20'06	23°44	0°31	11°25	0°35	23°37	14°42	28° 9	26° 9	26°14	20°37	21°33	17°53	n.a.	S 17
S 18	12 45 12	12°17'25	8♓37	0°46	12°36	1°10	23°45	14°44	28°13	26° 8	26°14	20°29	21°30	17°59	n.a.	S 18
M19	12 49 9	13°14'44	23°44	0°57	13°48	1°44	23°52	14°45	28°16	26° 7	26°14	20°20	21°27	18° 6	n.a.	M19
T 20	12 53 6	14°12'01	8♈56	1° 3	15° 0	2°18	24° 0	14°47	28°19	26° 6	26°13	20°11	21°24	18°13	n.a.	T 20
W21	12 57 2	15° 9'18	24° 1	1°R 4	16°12	2°52	24° 8	14°49	28°23	26° 5	26°13	20° 2	21°20	18°20	n.a.	W21
T 22	13 0 59	16° 6'34	8♉50	1° 1	17°24	3°25	24°16	14°51	28°26	26° 4	26°13	19°54	21°17	18°26	n.a.	T 22
F 23	13 4 55	17° 3'49	23°16	0°54	18°36	3°59	24°24	14°53	28°29	26° 3	26°13	19°49	21°14	18°33	n.a.	F 23
S 24	13 8 52	18° 1'03	7♊14	0°42	19°47	4°32	24°33	14°56	28°33	26° 2	26°12	19°47	21°11	18°40	n.a.	S 24
S 25	13 12 48	18°58'16	20°44	0°26	20°59	5° 5	24°41	14°58	28°36	26° 1	26°12	19°D46	21° 8	18°46	n.a.	S 25
M26	13 16 45	19°55'28	3♋47	0° 7	22°11	5°37	24°50	15° 1	28°39	26° 0	26°12	19°47	21° 5	18°53	n.a.	M26
T 27	13 20 41	20°52'39	16°27	29♈44	23°23	6°10	24°59	15° 3	28°43	26° 0	26°11	19°R47	21° 1	19° 0	n.a.	T 27
W28	13 24 38	21°49'48	28°48	29°18	24°35	6°42	25° 7	15° 6	28°46	25°59	26°11	19°47	20°58	19° 7	n.a.	W28
T 29	13 28 35	22°46'57	10♌55	28°49	25°47	7°14	25°16	15° 8	28°49	25°58	26°10	19°45	20°55	19°13	n.a.	T 29
F 30	13 32 31	23♈44'05	22♌52	28♈19	27♓ 0	7♑46	25♊25	15♋11	28♓52	25♌57	26♐10	19♐41	20♐52	19♍20	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1 s37	16n56	3 s13	8n54	2n30	15 s38	1 s23	24 s21	0 s46	24n23	0n45	24n23	1n18	1 s43	0 s39	14n36	1n47	30 s54	7 s 4	23 s40	23 s40	0n53		n.a.
F 2	1 14	13 8	3 57	9 30	2 34	15 16	1 25	24 25	0 48	24 23	0 45	24 23	1 18	1 41	0 39	14 37	1 47	30 54	7 4	23 40	23 40	0 51		n.a.
S 3	0 50	8 52	4 30	10 4	2 37	14 53	1 26	24 29	0 50	24 23	0 45	24 23	1 18	1 40	0 39	14 37	1 47	30 54	7 4	23 39	23 40	0 48		n.a.
S 4	0 27	4 17	4 51	10 36	2 40	14 30	1 28	24 34	0 52	24 24	0 45	24 23	1 18	1 38	0 39	14 38	1 47	30 55	7 5	23 38	23 39	0 45		n.a.
M 5	0 4	0 s27	5 0	11 5	2 42	14 6	1 29	24 38	0 54	24 24	0 45	24 23	1 18	1 37	0 39	14 38	1 47	30 55	7 5	23 38	23 39	0 42		n.a.
T 6	0n20	5 10	4 55	11 31	2 42	13 42	1 31	24 42	0 56	24 24	0 45	24 23	1 18	1 35	0 39	14 38	1 47	30 55	7 5	23 37	23 39	0 40		n.a.
W 7	0 43	9 43	4 38	11 55	2 42	13 18	1 32	24 45	0 59	24 25	0 45	24 23	1 18	1 34	0 39	14 39	1 47	30 55	7 5	23 36	23 39	0 37		n.a.
T 8	1 6	13 55	4 8	12 17	2 41	12 53	1 33	24 49	1 1	24 25	0 44	24 22	1 18	1 33	0 39	14 39	1 47	30 56	7 6	23 35	23 39	0 34		n.a.
F 9	1 29	17 36	3 27	12 36	2 39	12 28	1 34	24 53	1 3	24 25	0 44	24 22	1 18	1 31	0 39	14 40	1 47	30 56	7 6	23 34	23 38	0 32		n.a.
S 10	1 53	20 34	2 35	12 52	2 37	12 3	1 35	24 56	1 5	24 26	0 44	24 22	1 18	1 30	0 39	14 40	1 47	30 56	7 6	23 34	23 38	0 29		n.a.
S 11	2 16	22 36	1 35	13 6	2 33	11 37	1 36	24 59	1 8	24 26	0 44	24 22	1 18	1 28	0 39	14 40	1 47	30 56	7 6	23 34	23 38	0 26		n.a.
M12	2 39	23 32	0 30	13 17	2 28	11 11	1 37	25 2	1 10	24 26	0 44	24 22	1 18	1 27	0 39	14 41	1 47	30 57	7 7	23 34	23 38	0 23		n.a.
T 13	3 2	23 14	0n39	13 26	2 22	10 45	1 38	25 5	1 12	24 27	0 44	24 22	1 18	1 26	0 39	14 41	1 47	30 57	7 7	23 34	23 38	0 21		n.a.
W14	3 25	21 37	1 47	13 32	2 16	10 19	1 38	25 8	1 15	24 27	0 44	24 21	1 18	1 24	0 39	14 42	1 47	30 57	7 7	23 34	23 37	0 18		n.a.
T 15	3 48	18 43	2 51	13 36	2 8	9 52	1 39	25 11	1 17	24 28	0 44	24 21	1 18	1 23	0 39	14 42	1 47	30 57	7 8	23 34	23 37	0 15		n.a.
F 16	4 11	14 38	3 47	13 36	1 59	9 25	1 40	25 13	1 20	24 28	0 44	24 21	1 18	1 22	0 39	14 42	1 47	30 58	7 8	23 33	23 37	0 13		n.a.
S 17	4 34	9 37	4 30	13 35	1 50	8 57	1 40	25 16	1 22	24 28	0 44	24 21	1 18	1 20	0 39	14 43	1 47	30 58	7 8	23 33	23 37	0 10		n.a.
S 18	4 57	3 55	4 56	13 30	1 39	8 30	1 40	25 18	1 25	24 29	0 44	24 20	1 17	1 19	0 39	14 43	1 47	30 58	7 8	23 32	23 37	0 7		n.a.
M19	5 19	2n 5	5 2	13 24	1 28	8 2	1 41	25 20	1 27	24 29	0 44	24 20	1 17	1 17	0 39	14 43	1 47	30 58	7 9	23 32	23 36	0 4		n.a.
T 20	5 42	7 59	4 47	13 14	1 16	7 34	1 41	25 22	1 30	24 29	0 44	24 20	1 17	1 16	0 39	14 44	1 47	30 59	7 9	23 31	23 36	0 2		n.a.
W21	6 5	13 22	4 12	13 2	1 3	7 6	1 41	25 24	1 33	24 30	0 44	24 20	1 17	1 15	0 39	14 44	1 47	30 59	7 9	23 30	23 36	0 s 1		n.a.
T 22	6 27	17 51	3 20	12 48	0 49	6 37	1 41	25 26	1 35	24 30	0 44	24 19	1 17	1 13	0 39	14 44	1 47	30 59	7 9	23 30	23 36	0 4		n.a.
F 23	6 49	21 8	2 16	12 32	0 34	6 8	1 41	25 28	1 38	24 30	0 44	24 19	1 17	1 12	0 39	14 44	1 47	30 59	7 10	23 29	23 36	0 6		n.a.
S 24	7 12	23 1	1 6	12 13	0 19	5 40	1 41	25 29	1 41	24 31	0 44	24 19	1 17	1 11	0 39	14 45	1 47	31 0	7 10	23 29	23 35	0 9		n.a.
S 25	7 34	23 28	0 s 5	11 53	0 3	5 11	1 41	25 31	1 43	24 31	0 44	24 18	1 17	1 9	0 39	14 45	1 47	31 0	7 10	23 29	23 35	0 12		n.a.
M26	7 56	22 36	1 14	11 31	0 s13	4 42	1 41	25 32	1 46	24 31	0 44	24 18	1 17	1 8	0 39	14 45	1 47	31 0	7 10	23 29	23 35	0 14		n.a.
T 27	8 18	20 35	2 18	11 7	0 30	4 12	1 40	25 33	1 49	24 32	0 44	24 18	1 17	1 7	0 39	14 45	1 47	31 0	7 11	23 29	23 35	0 17		n.a.
W28	8 40	17 39	3 13	10 42	0 47	3 43	1 40	25 35	1 52	24 32	0 44	24 17	1 17	1 5	0 39	14 46	1 46	31 1	7 11	23 29	23 35	0 20		n.a.
T 29	9 1	14 0	3 58	10 16	1 4	3 13	1 40	25 36	1 55	24 32	0 44	24 17	1 17	1 4	0 39	14 46	1 46	31 1	7 11	23 29	23 34	0 22		n.a.
F 30	9n23	9n51	4 s33	9n49	1 s21	2 s44	1 s39	25 s37	1 s57	24n33	0n44	24n17	1n17	1 s 3	0 s39	14n46	1n46	31 s 1	7 s11	23 s29	23 s34	0 s25		n.a.

Julian Day Number = 1109719.5, Delta T = 10h53m45s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'31, Lahiri = -27°03'30 Julian Calendar 1 Apr. 1675 BCE == Greg. Calendar 18 March 1675 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

MAY 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 36 28	24♈41'12	4♍45	27°R46	28♓12	8♑18	25♊34	15♋14	28♓56	25°R57	26°R 9	19°R35	20♐49	19♍27	n.a.	S 1
S 2	13 40 24	25°38'18	16°37	27♈13	29°24	8°49	25°44	15°17	28°59	25♌56	26♐ 9	19♐27	20°46	19°34	n.a.	S 2
M 3	13 44 21	26°35'24	28°31	26°39	0♈36	9°20	25°53	15°20	29° 2	25°55	26° 8	19°18	20°42	19°40	n.a.	M 3
T 4	13 48 17	27°32'29	10♎29	26° 5	1°48	9°51	26° 2	15°23	29° 5	25°55	26° 8	19° 8	20°39	19°47	n.a.	T 4
W 5	13 52 14	28°29'34	22°32	25°32	3° 0	10°21	26°12	15°27	29° 8	25°54	26° 7	18°59	20°36	19°54	n.a.	W 5
T 6	13 56 10	29°26'38	4♏43	25° 0	4°12	10°51	26°21	15°30	29°11	25°54	26° 7	18°51	20°33	20° 0	n.a.	T 6
F 7	14 0 7	0♉23'41	17° 3	24°30	5°25	11°21	26°31	15°33	29°14	25°53	26° 6	18°45	20°30	20° 7	n.a.	F 7
S 8	14 4 4	1°20'45	29°32	24° 2	6°37	11°51	26°41	15°37	29°18	25°53	26° 5	18°41	20°26	20°14	n.a.	S 8
S 9	14 8 0	2°17'48	12♐11	23°37	7°49	12°20	26°51	15°41	29°21	25°52	26° 5	18°40	20°23	20°21	n.a.	S 9
M10	14 11 57	3°14'51	25° 4	23°15	9° 2	12°49	27° 1	15°44	29°24	25°52	26° 4	18°D40	20°20	20°27	n.a.	M10
T 11	14 15 53	4°11'54	8♑11	22°57	10°14	13°18	27°11	15°48	29°27	25°52	26° 3	18°41	20°17	20°34	n.a.	T 11
W12	14 19 50	5° 8'58	21°34	22°42	11°27	13°46	27°21	15°52	29°30	25°51	26° 3	18°42	20°14	20°41	n.a.	W12
T 13	14 23 46	6° 6'01	5♒15	22°32	12°39	14°14	27°31	15°56	29°33	25°51	26° 2	18°R42	20°11	20°47	n.a.	T 13
F 14	14 27 43	7° 3'04	19°16	22°26	13°51	14°41	27°42	16° 0	29°35	25°51	26° 1	18°42	20° 7	20°54	n.a.	F 14
S 15	14 31 40	8° 0'08	3♓35	22°D25	15° 4	15° 9	27°52	16° 4	29°38	25°50	26° 0	18°40	20° 4	21° 1	n.a.	S 15
S 16	14 35 36	8°57'11	18°10	22°28	16°17	15°36	28° 3	16° 8	29°41	25°50	25°59	18°36	20° 1	21° 8	n.a.	S 16
M17	14 39 33	9°54'15	2♈57	22°36	17°29	16° 2	28°13	16°12	29°44	25°50	25°59	18°31	19°58	21°14	n.a.	M17
T 18	14 43 29	10°51'19	17°47	22°49	18°42	16°28	28°24	16°17	29°47	25°50	25°58	18°25	19°55	21°21	n.a.	T 18
W19	14 47 26	11°48'23	2♉35	23° 7	19°54	16°54	28°35	16°21	29°50	25°50	25°57	18°20	19°52	21°28	n.a.	W19
T 20	14 51 22	12°45'28	17°10	23°29	21° 7	17°19	28°45	16°26	29°52	25°50	25°56	18°16	19°48	21°35	n.a.	T 20
F 21	14 55 19	13°42'32	1♊28	23°57	22°20	17°44	28°56	16°30	29°55	25°49	25°55	18°13	19°45	21°41	n.a.	F 21
S 22	14 59 15	14°39'37	15°22	24°29	23°32	18° 8	29° 7	16°35	29°58	25°49	25°54	18°D12	19°42	21°48	n.a.	S 22
S 23	15 3 12	15°36'42	28°52	25° 7	24°45	18°32	29°18	16°40	0♈ 0	25°D49	25°53	18°13	19°39	21°55	n.a.	S 23
M24	15 7 9	16°33'46	11♋57	25°48	25°58	18°55	29°29	16°44	0° 3	25°49	25°52	18°14	19°36	22° 1	n.a.	M24
T 25	15 11 5	17°30'51	24°40	26°35	27°11	19°18	29°41	16°49	0° 6	25°50	25°51	18°15	19°32	22° 8	n.a.	T 25
W26	15 15 2	18°27'55	7♌ 4	27°26	28°24	19°41	29°52	16°54	0° 8	25°50	25°50	18°17	19°29	22°15	n.a.	W26
T 27	15 18 58	19°25'00	19°14	28°22	29°36	20° 3	0♋ 3	16°59	0°11	25°50	25°49	18°R17	19°26	22°22	n.a.	T 27
F 28	15 22 55	20°22'04	1♍13	29°22	0♉49	20°24	0°15	17° 4	0°13	25°50	25°48	18°17	19°23	22°28	n.a.	F 28
S 29	15 26 51	21°19'09	13° 7	0♉27	2° 2	20°45	0°26	17° 9	0°16	25°50	25°47	18°15	19°20	22°35	n.a.	S 29
S 30	15 30 48	22°16'13	25° 0	1°36	3°15	21° 6	0°38	17°15	0°18	25°50	25°46	18°12	19°17	22°42	n.a.	S 30
M31	15 34 45	23♉13'18	6♎56	2♉50	4♉28	21♑26	0♋49	17♋20	0♈21	25♌51	25♐45	18♐ 8	19♐13	22♍49	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n44	5n22	4s55	9n22	1s37	2s14	1s39	25s38	2s 0	24n33	0n44	24n16	1n17	1s 1	0s39	14n46	1n46	31s 1	7s12	23s28	23s34	0s28		n.a.
S 2	10 5	0 42	5 5	8 55	1 53	1 44	1 38	25 39	2 3	24 33	0 44	24 16	1 17	1 0	0 39	14 46	1 46	31 2	7 12	23 28	23 34	0 31		n.a.
M 3	10 27	4s 0	5 1	8 28	2 9	1 14	1 37	25 39	2 6	24 34	0 44	24 15	1 17	0 59	0 39	14 47	1 46	31 2	7 12	23 27	23 33	0 33		n.a.
T 4	10 48	8 34	4 45	8 2	2 24	0 44	1 36	25 40	2 9	24 34	0 44	24 15	1 17	0 58	0 39	14 47	1 46	31 2	7 12	23 26	23 33	0 36		n.a.
W 5	11 8	12 52	4 15	7 37	2 38	0 14	1 36	25 41	2 12	24 34	0 44	24 15	1 17	0 56	0 39	14 47	1 46	31 2	7 13	23 25	23 33	0 39		n.a.
T 6	11 29	16 41	3 34	7 12	2 51	0n16	1 35	25 41	2 16	24 34	0 44	24 14	1 17	0 55	0 39	14 47	1 46	31 2	7 13	23 25	23 33	0 41		n.a.
F 7	11 49	19 49	2 42	6 50	3 3	0 46	1 34	25 42	2 19	24 35	0 44	24 14	1 16	0 54	0 39	14 47	1 46	31 3	7 13	23 24	23 32	0 44		n.a.
S 8	12 10	22 5	1 41	6 30	3 14	1 16	1 33	25 42	2 22	24 35	0 44	24 13	1 16	0 53	0 39	14 47	1 46	31 3	7 13	23 24	23 32	0 47		n.a.
S 9	12 30	23 15	0 35	6 11	3 24	1 46	1 32	25 43	2 25	24 35	0 44	24 13	1 16	0 51	0 39	14 47	1 46	31 3	7 14	23 24	23 32	0 49		n.a.
M10	12 50	23 13	0n35	5 55	3 33	2 16	1 30	25 43	2 28	24 35	0 44	24 12	1 16	0 50	0 39	14 48	1 46	31 3	7 14	23 24	23 32	0 52		n.a.
T 11	13 9	21 54	1 44	5 41	3 40	2 46	1 29	25 43	2 32	24 36	0 44	24 12	1 16	0 49	0 39	14 48	1 46	31 4	7 14	23 24	23 32	0 55		n.a.
W12	13 29	19 21	2 49	5 30	3 46	3 16	1 28	25 44	2 35	24 36	0 44	24 11	1 16	0 48	0 39	14 48	1 46	31 4	7 14	23 24	23 31	0 57		n.a.
T 13	13 48	15 40	3 45	5 22	3 50	3 46	1 27	25 44	2 38	24 36	0 44	24 11	1 16	0 47	0 39	14 48	1 46	31 4	7 14	23 24	23 31	1 0		n.a.
F 14	14 7	11 3	4 30	5 17	3 54	4 16	1 25	25 44	2 42	24 36	0 44	24 10	1 16	0 46	0 39	14 48	1 46	31 4	7 15	23 24	23 31	1 3		n.a.
S 15	14 26	5 44	4 59	5 14	3 56	4 46	1 24	25 45	2 45	24 36	0 44	24 10	1 16	0 44	0 39	14 48	1 46	31 4	7 15	23 24	23 31	1 5		n.a.
S 16	14 45	0 1	5 10	5 15	3 57	5 15	1 22	25 45	2 48	24 37	0 44	24 9	1 16	0 43	0 39	14 48	1 46	31 4	7 15	23 23	23 30	1 8		n.a.
M17	15 3	5n46	5 0	5 18	3 57	5 45	1 21	25 45	2 52	24 37	0 44	24 9	1 16	0 42	0 39	14 48	1 46	31 5	7 15	23 23	23 30	1 11		n.a.
T 18	15 22	11 15	4 30	5 24	3 55	6 15	1 19	25 45	2 55	24 37	0 44	24 8	1 16	0 41	0 39	14 48	1 46	31 5	7 16	23 22	23 30	1 13		n.a.
W19	15 40	16 4	3 43	5 33	3 53	6 44	1 17	25 45	2 59	24 37	0 44	24 7	1 16	0 40	0 39	14 48	1 45	31 5	7 16	23 22	23 30	1 16		n.a.
T 20	15 57	19 51	2 41	5 45	3 49	7 13	1 16	25 46	3 3	24 37	0 44	24 7	1 16	0 39	0 39	14 48	1 45	31 5	7 16	23 22	23 29	1 19		n.a.
F 21	16 15	22 18	1 30	5 59	3 45	7 43	1 14	25 46	3 6	24 37	0 44	24 6	1 16	0 38	0 39	14 48	1 45	31 5	7 16	23 21	23 29	1 21		n.a.
S 22	16 32	23 20	0 15	6 16	3 39	8 12	1 12	25 46	3 10	24 37	0 44	24 6	1 16	0 37	0 39	14 48	1 45	31 6	7 16	23 21	23 29	1 24		n.a.
S 23	16 49	22 55	0s58	6 36	3 33	8 41	1 10	25 46	3 14	24 37	0 44	24 5	1 16	0 35	0 39	14 48	1 45	31 6	7 17	23 21	23 29	1 27		n.a.
M24	17 6	21 15	2 6	6 58	3 26	9 9	1 8	25 47	3 17	24 38	0 44	24 4	1 16	0 34	0 39	14 48	1 45	31 6	7 17	23 21	23 28	1 29		n.a.
T 25	17 23	18 32	3 6	7 22	3 18	9 38	1 6	25 47	3 21	24 38	0 44	24 4	1 16	0 33	0 39	14 48	1 45	31 6	7 17	23 22	23 28	1 32		n.a.
W26	17 39	15 3	3 56	7 49	3 10	10 6	1 4	25 47	3 25	24 38	0 44	24 3	1 16	0 32	0 39	14 48	1 45	31 6	7 17	23 22	23 28	1 35		n.a.
T 27	17 55	11 0	4 34	8 17	3 1	10 34	1 2	25 48	3 29	24 38	0 44	24 2	1 16	0 31	0 39	14 47	1 45	31 6	7 17	23 22	23 28	1 37		n.a.
F 28	18 10	6 35	5 0	8 48	2 51	11 2	1 0	25 48	3 32	24 38	0 44	24 2	1 16	0 30	0 39	14 47	1 45	31 7	7 18	23 22	23 27	1 40		n.a.
S 29	18 26	1 58	5 12	9 21	2 40	11 30	0 58	25 49	3 36	24 38	0 44	24 1	1 16	0 29	0 39	14 47	1 45	31 7	7 18	23 22	23 27	1 43		n.a.
S 30	18 41	2s43	5 11	9 55	2 30	11 57	0 56	25 49	3 40	24 38	0 44	24 0	1 16	0 28	0 39	14 47	1 45	31 7	7 18	23 21	23 27	1 45		n.a.
M31	18n56	7s20	4s57	10n31	2s18	12n24	0s54	25s50	3s44	24n38	0n44	23n59	1n16	0s27	0s39	14n47	1n45	31s 7	7s18	23s21	23s27	1s48		n.a.

Julian Day Number = 1109749.5, Delta T = 10h53m43s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'27, Lahiri = -27°03'26 Julian Calendar 1 May 1675 BCE == Greg. Calendar 17 Apr. 1675 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

JUNE 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 38 41	24♉10'24	18♎58	4♉ 8	5♉41	21♏45	1♋ 1	17♋25	0♈23	25♌51	25°R44	18°R 5	19♐10	22♍55	n.a.	T 1
W 2	15 42 38	25° 7'29	1♏ 9	5°30	6°54	22° 4	1°12	17°31	0°25	25°51	25♐43	18♐ 1	19° 7	23° 2	n.a.	W 2
T 3	15 46 34	26° 4'35	13°31	6°56	8° 7	22°22	1°24	17°36	0°28	25°52	25°41	17°58	19° 4	23° 9	n.a.	T 3
F 4	15 50 31	27° 1'42	26° 4	8°26	9°20	22°40	1°36	17°42	0°30	25°52	25°40	17°56	19° 1	23°15	n.a.	F 4
S 5	15 54 27	27°58'49	8♐51	10° 0	10°33	22°57	1°48	17°47	0°32	25°52	25°39	17°54	18°57	23°22	n.a.	S 5
S 6	15 58 24	28°55'57	21°51	11°38	11°46	23°13	2° 0	17°53	0°34	25°53	25°38	17°D54	18°54	23°29	n.a.	S 6
M 7	16 2 21	29°53'06	5♑ 4	13°20	13° 0	23°29	2°12	17°59	0°36	25°53	25°37	17°55	18°51	23°36	n.a.	M 7
T 8	16 6 17	0♊50'15	18°30	15° 5	14°13	23°44	2°24	18° 4	0°39	25°54	25°36	17°56	18°48	23°42	n.a.	T 8
W 9	16 10 14	1°47'26	2♒ 9	16°53	15°26	23°59	2°36	18°10	0°41	25°54	25°34	17°57	18°45	23°49	n.a.	W 9
T 10	16 14 10	2°44'37	16° 0	18°44	16°39	24°13	2°48	18°16	0°43	25°55	25°33	17°58	18°42	23°56	n.a.	T 10
F 11	16 18 7	3°41'50	0♓ 2	20°39	17°53	24°26	3° 0	18°22	0°45	25°55	25°32	17°R59	18°38	24° 3	n.a.	F 11
S 12	16 22 3	4°39'04	14°14	22°35	19° 6	24°38	3°12	18°28	0°47	25°56	25°31	17°58	18°35	24° 9	n.a.	S 12
S 13	16 26 0	5°36'19	28°34	24°34	20°19	24°50	3°25	18°34	0°48	25°57	25°29	17°58	18°32	24°16	n.a.	S 13
M14	16 29 56	6°33'35	12♈59	26°35	21°33	25° 1	3°37	18°40	0°50	25°57	25°28	17°57	18°29	24°23	n.a.	M14
T 15	16 33 53	7°30'52	27°24	28°38	22°46	25°11	3°49	18°46	0°52	25°58	25°27	17°55	18°26	24°29	n.a.	T 15
W16	16 37 50	8°28'10	11♉44	0♊42	24° 0	25°21	4° 2	18°52	0°54	25°59	25°26	17°54	18°23	24°36	n.a.	W16
T 17	16 41 46	9°25'30	25°56	2°46	25°13	25°30	4°14	18°59	0°56	26° 0	25°24	17°53	18°19	24°43	n.a.	T 17
F 18	16 45 43	10°22'51	9♊53	4°52	26°27	25°38	4°27	19° 5	0°57	26° 1	25°23	17°53	18°16	24°50	n.a.	F 18
S 19	16 49 39	11°20'13	23°34	6°57	27°40	25°45	4°39	19°11	0°59	26° 1	25°22	17°D53	18°13	24°56	n.a.	S 19
S 20	16 53 36	12°17'35	6♋55	9° 3	28°54	25°51	4°52	19°18	1° 1	26° 2	25°20	17°53	18°10	25° 3	n.a.	S 20
M21	16 57 32	13°14'59	19°56	11° 9	0♊ 8	25°57	5° 4	19°24	1° 2	26° 3	25°19	17°54	18° 7	25°10	n.a.	M21
T 22	17 1 29	14°12'24	2♌38	13°14	1°21	26° 2	5°17	19°30	1° 4	26° 4	25°18	17°54	18° 3	25°16	n.a.	T 22
W23	17 5 26	15° 9'50	15° 2	15°18	2°35	26° 6	5°30	19°37	1° 5	26° 5	25°16	17°54	18° 0	25°23	n.a.	W23
T 24	17 9 22	16° 7'16	27°13	17°22	3°49	26° 9	5°42	19°44	1° 7	26° 6	25°15	17°55	17°57	25°30	n.a.	T 24
F 25	17 13 19	17° 4'44	9♍14	19°24	5° 3	26°11	5°55	19°50	1° 8	26° 7	25°14	17°55	17°54	25°37	n.a.	F 25
S 26	17 17 15	18° 2'12	21° 8	21°26	6°16	26°13	6° 8	19°57	1° 9	26° 8	25°12	17°55	17°51	25°43	n.a.	S 26
S 27	17 21 12	18°59'42	3♎ 2	23°26	7°30	26°R13	6°21	20° 3	1°11	26° 9	25°11	17°55	17°48	25°50	n.a.	S 27
M28	17 25 8	19°57'13	14°59	25°25	8°44	26°13	6°33	20°10	1°12	26°10	25°10	17°55	17°44	25°57	n.a.	M28
T 29	17 29 5	20°54'45	27° 3	27°23	9°58	26°12	6°46	20°17	1°13	26°12	25° 8	17°55	17°41	26° 4	n.a.	T 29
W30	17 33 1	21♊52'18	9♏19	29♊19	11♊12	26♑11	6♋59	20♋24	1♈14	26♌13	25♐ 7	17♐56	17♐38	26♍10	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n10	11s42	4s29	11n 9	2s 7	12n51	0s52	25s51	3s48	24n38	0n44	23n59	1n16	0s27	0s39	14n47	1n45	31s 7	7s18	23s21	23s26	1s50		n.a.
W 2	19 24	15 40	3 49	11 48	1 55	13 18	0 50	25 51	3 52	24 37	0 44	23 58	1 16	0 26	0 39	14 47	1 45	31 7	7 18	23 20	23 26	1 53		n.a.
T 3	19 38	19 1	2 58	12 28	1 43	13 44	0 47	25 52	3 56	24 37	0 44	23 57	1 16	0 25	0 39	14 47	1 45	31 7	7 19	23 20	23 26	1 56		n.a.
F 4	19 52	21 32	1 57	13 9	1 30	14 10	0 45	25 53	4 0	24 37	0 44	23 56	1 16	0 24	0 39	14 46	1 45	31 8	7 19	23 20	23 25	1 58		n.a.
S 5	20 5	23 1	0 50	13 52	1 18	14 35	0 43	25 54	4 4	24 37	0 45	23 56	1 16	0 23	0 39	14 46	1 45	31 8	7 19	23 20	23 25	2 1		n.a.
S 6	20 18	23 16	0n22	14 34	1 5	15 1	0 41	25 55	4 8	24 37	0 45	23 55	1 15	0 22	0 39	14 46	1 45	31 8	7 19	23 20	23 25	2 4		n.a.
M 7	20 30	22 14	1 33	15 18	0 53	15 26	0 38	25 57	4 12	24 37	0 45	23 54	1 15	0 21	0 39	14 46	1 45	31 8	7 19	23 20	23 25	2 6		n.a.
T 8	20 43	19 56	2 41	16 1	0 40	15 50	0 36	25 58	4 16	24 37	0 45	23 53	1 15	0 20	0 39	14 46	1 44	31 8	7 19	23 20	23 24	2 9		n.a.
W 9	20 54	16 28	3 41	16 45	0 28	16 14	0 33	25 59	4 21	24 36	0 45	23 53	1 15	0 20	0 39	14 45	1 44	31 8	7 20	23 20	23 24	2 12		n.a.
T 10	21 6	12 5	4 28	17 28	0 16	16 38	0 31	26 1	4 25	24 36	0 45	23 52	1 15	0 19	0 39	14 45	1 44	31 8	7 20	23 20	23 24	2 14		n.a.
F 11	21 17	6 59	5 1	18 11	0 4	17 1	0 29	26 3	4 29	24 36	0 45	23 51	1 15	0 18	0 39	14 45	1 44	31 8	7 20	23 20	23 24	2 17		n.a.
S 12	21 28	1 29	5 15	18 53	0n 8	17 24	0 26	26 4	4 33	24 36	0 45	23 50	1 15	0 17	0 39	14 45	1 44	31 8	7 20	23 20	23 23	2 19		n.a.
S 13	21 39	4n 9	5 11	19 34	0 19	17 47	0 24	26 6	4 37	24 35	0 45	23 49	1 15	0 16	0 39	14 44	1 44	31 9	7 20	23 20	23 23	2 22		n.a.
M14	21 49	9 36	4 46	20 14	0 29	18 9	0 21	26 8	4 42	24 35	0 45	23 48	1 15	0 16	0 40	14 44	1 44	31 9	7 20	23 20	23 23	2 25		n.a.
T 15	21 58	14 31	4 4	20 52	0 40	18 30	0 19	26 10	4 46	24 35	0 45	23 47	1 15	0 15	0 40	14 44	1 44	31 9	7 20	23 20	23 22	2 27		n.a.
W16	22 8	18 36	3 7	21 29	0 49	18 52	0 16	26 13	4 50	24 34	0 45	23 47	1 15	0 14	0 40	14 43	1 44	31 9	7 21	23 20	23 22	2 30		n.a.
T 17	22 17	21 31	1 59	22 3	0 58	19 12	0 14	26 15	4 54	24 34	0 45	23 46	1 15	0 14	0 40	14 43	1 44	31 9	7 21	23 20	23 22	2 32		n.a.
F 18	22 25	23 5	0 44	22 35	1 6	19 32	0 12	26 18	4 58	24 34	0 45	23 45	1 15	0 13	0 40	14 43	1 44	31 9	7 21	23 19	23 22	2 35		n.a.
S 19	22 34	23 12	0s31	23 5	1 14	19 52	0 9	26 21	5 3	24 33	0 45	23 44	1 15	0 12	0 40	14 42	1 44	31 9	7 21	23 19	23 21	2 38		n.a.
S 20	22 42	21 59	1 44	23 33	1 20	20 11	0 7	26 23	5 7	24 33	0 45	23 43	1 15	0 12	0 40	14 42	1 44	31 9	7 21	23 20	23 21	2 40		n.a.
M21	22 49	19 36	2 48	23 58	1 26	20 29	0 4	26 26	5 11	24 32	0 45	23 42	1 15	0 11	0 40	14 42	1 44	31 9	7 21	23 20	23 21	2 43		n.a.
T 22	22 56	16 19	3 43	24 20	1 32	20 47	0 2	26 30	5 15	24 32	0 45	23 41	1 15	0 11	0 40	14 41	1 44	31 9	7 21	23 20	23 20	2 46		n.a.
W23	23 3	12 23	4 26	24 40	1 36	21 5	0n 1	26 33	5 19	24 31	0 45	23 40	1 15	0 10	0 40	14 41	1 44	31 9	7 21	23 20	23 20	2 48		n.a.
T 24	23 9	8 2	4 57	24 56	1 40	21 22	0 3	26 36	5 23	24 31	0 45	23 39	1 15	0 9	0 40	14 40	1 44	31 9	7 22	23 20	23 20	2 51		n.a.
F 25	23 15	3 26	5 13	25 11	1 44	21 38	0 6	26 40	5 28	24 30	0 45	23 38	1 15	0 9	0 40	14 40	1 44	31 9	7 22	23 20	23 20	2 53		n.a.
S 26	23 20	1s15	5 16	25 22	1 46	21 54	0 8	26 43	5 32	24 30	0 45	23 37	1 15	0 8	0 40	14 40	1 44	31 9	7 22	23 20	23 19	2 56		n.a.
S 27	23 25	5 53	5 6	25 31	1 48	22 9	0 11	26 47	5 36	24 29	0 45	23 36	1 15	0 8	0 40	14 39	1 44	31 9	7 22	23 20	23 19	2 59		n.a.
M28	23 30	10 20	4 42	25 37	1 49	22 23	0 13	26 51	5 39	24 29	0 45	23 35	1 15	0 7	0 40	14 39	1 44	31 9	7 22	23 20	23 19	3 1		n.a.
T 29	23 34	14 26	4 6	25 41	1 50	22 37	0 15	26 55	5 43	24 28	0 45	23 34	1 15	0 7	0 40	14 38	1 43	31 10	7 22	23 20	23 18	3 4		n.a.
W30	23n38	17s59	3s18	25n43	1n50	22n50	0n18	26s59	5s47	24n28	0n46	23n33	1n15	0s 7	0s40	14n38	1n43	31s10	7s22	23s20	23s18	3s 6		n.a.

Julian Day Number = 1109780.5, Delta T = 10h53m41s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'23, Lahiri = -27°03'22 Julian Calendar 1 June 1675 BCE == Greg. Calendar 18 May 1675 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

JULY 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 36 58	22♊49'52	21♏49	1♋14	12♊26	26°R 8	7♋12	20♋30	1♈15	26♌14	25°R 6	17♐56	17♐35	26♍17	n.a.	T 1
F 2	17 40 55	23°47'27	4♐36	3° 8	13°40	26♑ 5	7°25	20°37	1°16	26°15	25♐ 4	17°56	17°32	26°24	n.a.	F 2
S 3	17 44 51	24°45'04	17°41	5° 0	14°54	26° 1	7°38	20°44	1°17	26°16	25° 3	17°R56	17°29	26°30	n.a.	S 3
S 4	17 48 48	25°42'43	1♑ 3	6°51	16° 8	25°56	7°51	20°51	1°18	26°18	25° 1	17°56	17°25	26°37	n.a.	S 4
M 5	17 52 44	26°40'23	14°41	8°40	17°22	25°50	8° 4	20°58	1°19	26°19	25° 0	17°56	17°22	26°44	n.a.	M 5
T 6	17 56 41	27°38'04	28°34	10°28	18°36	25°43	8°17	21° 5	1°20	26°20	24°59	17°55	17°19	26°51	n.a.	T 6
W 7	18 0 37	28°35'48	12♒37	12°14	19°50	25°36	8°30	21°12	1°21	26°22	24°57	17°54	17°16	26°57	n.a.	W 7
T 8	18 4 34	29°33'33	26°48	13°59	21° 4	25°28	8°43	21°19	1°22	26°23	24°56	17°52	17°13	27° 4	n.a.	T 8
F 9	18 8 30	0♋31'19	11♓ 3	15°42	22°18	25°19	8°56	21°26	1°22	26°25	24°55	17°51	17° 9	27°11	n.a.	F 9
S 10	18 12 27	1°29'08	25°18	17°25	23°32	25° 9	9° 9	21°33	1°23	26°26	24°53	17°D51	17° 6	27°18	n.a.	S 10
S 11	18 16 24	2°26'59	9♈31	19° 5	24°47	24°59	9°22	21°40	1°24	26°27	24°52	17°51	17° 3	27°24	n.a.	S 11
M12	18 20 20	3°24'52	23°40	20°45	26° 1	24°48	9°35	21°47	1°24	26°29	24°51	17°51	17° 0	27°31	n.a.	M12
T 13	18 24 17	4°22'46	7♉43	22°23	27°15	24°36	9°48	21°55	1°25	26°30	24°49	17°52	16°57	27°38	n.a.	T 13
W14	18 28 13	5°20'43	21°37	23°59	28°30	24°24	10° 1	22° 2	1°25	26°32	24°48	17°54	16°54	27°44	n.a.	W14
T 15	18 32 10	6°18'42	5♊21	25°35	29°44	24°11	10°14	22° 9	1°25	26°34	24°47	17°55	16°50	27°51	n.a.	T 15
F 16	18 36 6	7°16'43	18°53	27° 9	0♋58	23°57	10°27	22°16	1°26	26°35	24°45	17°R55	16°47	27°58	n.a.	F 16
S 17	18 40 3	8°14'46	2♋12	28°41	2°13	23°43	10°40	22°23	1°26	26°37	24°44	17°54	16°44	28° 5	n.a.	S 17
S 18	18 43 59	9°12'50	15°16	0♌13	3°27	23°29	10°54	22°31	1°26	26°38	24°43	17°53	16°41	28°11	n.a.	S 18
M19	18 47 56	10°10'56	28° 6	1°43	4°42	23°13	11° 7	22°38	1°27	26°40	24°41	17°50	16°38	28°18	n.a.	M19
T 20	18 51 53	11° 9'04	10♌41	3°11	5°56	22°58	11°20	22°45	1°27	26°42	24°40	17°47	16°35	28°25	n.a.	T 20
W21	18 55 49	12° 7'14	23° 1	4°39	7°11	22°42	11°33	22°53	1°27	26°43	24°39	17°43	16°31	28°31	n.a.	W21
T 22	18 59 46	13° 5'25	5♍10	6° 4	8°25	22°26	11°46	23° 0	1°27	26°45	24°38	17°39	16°28	28°38	n.a.	T 22
F 23	19 3 42	14° 3'38	17°10	7°29	9°40	22° 9	11°59	23° 7	1°R27	26°47	24°36	17°35	16°25	28°45	n.a.	F 23
S 24	19 7 39	15° 1'53	29° 3	8°52	10°55	21°53	12°12	23°15	1°27	26°49	24°35	17°33	16°22	28°52	n.a.	S 24
S 25	19 11 35	16° 0'10	10♎56	10°13	12° 9	21°36	12°25	23°22	1°27	26°50	24°34	17°D32	16°19	28°58	n.a.	S 25
M26	19 15 32	16°58'28	22°51	11°33	13°24	21°19	12°39	23°29	1°27	26°52	24°32	17°32	16°15	29° 5	n.a.	M26
T 27	19 19 28	17°56'48	4♏55	12°52	14°38	21° 2	12°52	23°37	1°26	26°54	24°31	17°33	16°12	29°12	n.a.	T 27
W28	19 23 25	18°55'09	17°11	14° 9	15°53	20°45	13° 5	23°44	1°26	26°56	24°30	17°35	16° 9	29°19	n.a.	W28
T 29	19 27 21	19°53'33	29°44	15°24	17° 8	20°27	13°18	23°51	1°26	26°58	24°29	17°36	16° 6	29°25	n.a.	T 29
F 30	19 31 18	20°51'58	12♐38	16°38	18°23	20°10	13°31	23°59	1°26	27° 0	24°28	17°R37	16° 3	29°32	n.a.	F 30
S 31	19 35 15	21♋50'26	25♐55	17♌49	19♋37	19♑53	13♋44	24♋ 6	1♈25	27♌ 2	24♐26	17♐37	16♐ 0	29♍39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n41	20s49	2s20	25n42	1n49	23n 2	0n20	27s 3	5s51	24n27	0n46	23n32	1n15	0s 6	0s40	14n37	1n43	31s10	7s22	23s20	23s18	3s 9		n.a.
F 2	23 44	22 39	1 13	25 39	1 48	23 14	0 22	27 8	5 55	24 26	0 46	23 31	1 15	0 6	0 40	14 37	1 43	31 10	7 22	23 20	23 17	3 11		n.a.
S 3	23 47	23 20	0 1	25 33	1 46	23 25	0 25	27 12	5 58	24 26	0 46	23 30	1 16	0 5	0 40	14 37	1 43	31 10	7 22	23 20	23 17	3 14		n.a.
S 4	23 49	22 41	1n12	25 26	1 44	23 36	0 27	27 16	6 2	24 25	0 46	23 29	1 16	0 5	0 40	14 36	1 43	31 10	7 22	23 20	23 17	3 17		n.a.
M 5	23 51	20 42	2 23	25 17	1 41	23 46	0 29	27 21	6 5	24 24	0 46	23 28	1 16	0 5	0 40	14 36	1 43	31 10	7 22	23 20	23 17	3 19		n.a.
T 6	23 52	17 28	3 26	25 6	1 38	23 55	0 31	27 26	6 9	24 23	0 46	23 27	1 16	0 4	0 40	14 35	1 43	31 10	7 22	23 20	23 16	3 22		n.a.
W 7	23 53	13 13	4 18	24 53	1 34	24 3	0 34	27 30	6 12	24 23	0 46	23 26	1 16	0 4	0 40	14 35	1 43	31 10	7 23	23 20	23 16	3 24		n.a.
T 8	23 53	8 12	4 55	24 38	1 30	24 11	0 36	27 35	6 15	24 22	0 46	23 24	1 16	0 4	0 40	14 34	1 43	31 10	7 23	23 19	23 16	3 27		n.a.
F 9	23 53	2 44	5 14	24 22	1 26	24 17	0 38	27 40	6 18	24 21	0 46	23 23	1 16	0 3	0 40	14 33	1 43	31 10	7 23	23 19	23 15	3 30		n.a.
S 10	23 53	2n53	5 13	24 4	1 21	24 24	0 40	27 44	6 21	24 20	0 46	23 22	1 16	0 3	0 40	14 33	1 43	31 10	7 23	23 19	23 15	3 32		n.a.
S 11	23 52	8 20	4 54	23 45	1 16	24 29	0 42	27 49	6 24	24 19	0 46	23 21	1 16	0 3	0 40	14 32	1 43	31 10	7 23	23 19	23 15	3 35		n.a.
M12	23 51	13 19	4 16	23 25	1 11	24 34	0 44	27 54	6 27	24 18	0 46	23 20	1 16	0 3	0 40	14 32	1 43	31 10	7 23	23 19	23 14	3 37		n.a.
T 13	23 49	17 33	3 24	23 3	1 5	24 38	0 46	27 59	6 29	24 17	0 46	23 19	1 16	0 3	0 40	14 31	1 43	31 10	7 23	23 19	23 14	3 40		n.a.
W14	23 47	20 45	2 20	22 41	0 59	24 41	0 48	28 3	6 31	24 16	0 46	23 18	1 16	0 2	0 40	14 31	1 43	31 10	7 23	23 20	23 14	3 42		n.a.
T 15	23 44	22 43	1 9	22 17	0 52	24 43	0 50	28 8	6 34	24 16	0 47	23 17	1 16	0 2	0 40	14 30	1 43	31 10	7 23	23 20	23 13	3 45		n.a.
F 16	23 41	23 20	0s 5	21 52	0 46	24 45	0 52	28 12	6 36	24 15	0 47	23 15	1 16	0 2	0 40	14 30	1 43	31 9	7 23	23 20	23 13	3 47		n.a.
S 17	23 38	22 34	1 18	21 27	0 39	24 46	0 54	28 17	6 38	24 14	0 47	23 14	1 16	0 2	0 40	14 29	1 43	31 9	7 23	23 20	23 13	3 50		n.a.
S 18	23 34	20 36	2 25	21 0	0 32	24 46	0 56	28 21	6 39	24 13	0 47	23 13	1 16	0 2	0 40	14 28	1 43	31 9	7 23	23 19	23 12	3 53		n.a.
M19	23 29	17 37	3 23	20 33	0 24	24 45	0 57	28 25	6 41	24 12	0 47	23 12	1 16	0 2	0 41	14 28	1 43	31 9	7 23	23 19	23 12	3 55		n.a.
T 20	23 25	13 52	4 10	20 5	0 17	24 44	0 59	28 30	6 42	24 10	0 47	23 11	1 16	0 2	0 41	14 27	1 43	31 9	7 23	23 19	23 12	3 58		n.a.
W21	23 19	9 37	4 45	19 37	0 9	24 42	1 1	28 33	6 43	24 9	0 47	23 9	1 16	0 2	0 41	14 26	1 43	31 9	7 23	23 19	23 12	4 0		n.a.
T 22	23 14	5 3	5 6	19 8	0 1	24 39	1 2	28 37	6 44	24 8	0 47	23 8	1 16	0 2	0 41	14 26	1 43	31 9	7 23	23 18	23 11	4 3		n.a.
F 23	23 8	0 22	5 13	18 38	0s 7	24 35	1 4	28 41	6 45	24 7	0 47	23 7	1 16	0 2	0 41	14 25	1 43	31 9	7 23	23 18	23 11	4 5		n.a.
S 24	23 1	4s18	5 7	18 8	0 15	24 31	1 5	28 44	6 46	24 6	0 47	23 6	1 16	0 2	0 41	14 25	1 43	31 9	7 23	23 18	23 11	4 8		n.a.
S 25	22 55	8 48	4 48	17 38	0 24	24 26	1 7	28 48	6 46	24 5	0 47	23 5	1 16	0 2	0 41	14 24	1 43	31 9	7 23	23 18	23 10	4 10		n.a.
M26	22 47	13 0	4 16	17 8	0 32	24 20	1 8	28 51	6 46	24 4	0 47	23 3	1 16	0 2	0 41	14 23	1 42	31 9	7 23	23 18	23 10	4 13		n.a.
T 27	22 40	16 44	3 32	16 37	0 41	24 13	1 10	28 53	6 46	24 3	0 48	23 2	1 16	0 2	0 41	14 23	1 42	31 9	7 23	23 18	23 10	4 16		n.a.
W28	22 31	19 49	2 39	16 6	0 49	24 6	1 11	28 56	6 46	24 1	0 48	23 1	1 17	0 2	0 41	14 22	1 42	31 9	7 23	23 18	23 9	4 18		n.a.
T 29	22 23	22 2	1 36	15 36	0 58	23 58	1 12	28 58	6 46	24 0	0 48	23 0	1 17	0 3	0 41	14 21	1 42	31 9	7 23	23 18	23 9	4 21		n.a.
F 30	22 14	23 11	0 27	15 5	1 7	23 49	1 13	29 1	6 45	23 59	0 48	22 58	1 17	0 3	0 41	14 21	1 42	31 9	7 23	23 18	23 9	4 23		n.a.
S 31	22n 5	23s 4	0n45	14n34	1s16	23n39	1n14	29s 2	6s44	23n58	0n48	22n57	1n17	0s 3	0s41	14n20	1n42	31s 9	7s23	23s18	23s 8	4s26		n.a.

Julian Day Number = 1109810.5, Delta T = 10h53m39s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'18, Lahiri = -27°03'18 Julian Calendar 1 July 1675 BCE == Greg. Calendar 17 June 1675 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

AUGUST 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 39 11	22♋48'55	9♉35	18♌59	20♋52	19°R37	13♋57	24♋14	1°R25	27♌ 3	24°R25	17°R35	15♐56	29♍45	n.a.	S 1
M 2	19 43 8	23°47'26	23°36	20° 7	22° 7	19♉20	14°10	24°21	1♈24	27° 5	24♐24	17♐32	15°53	29°52	n.a.	M 2
T 3	19 47 4	24°45'59	7♒56	21°13	23°22	19° 4	14°23	24°28	1°24	27° 7	24°23	17°27	15°50	29°59	n.a.	T 3
W 4	19 51 1	25°44'34	22°28	22°16	24°37	18°47	14°36	24°36	1°23	27° 9	24°22	17°21	15°47	0♎ 6	n.a.	W 4
T 5	19 54 57	26°43'12	7♓ 6	23°17	25°51	18°32	14°49	24°43	1°22	27°11	24°21	17°16	15°44	0°12	n.a.	T 5
F 6	19 58 54	27°41'52	21°42	24°16	27° 6	18°16	15° 2	24°51	1°22	27°13	24°20	17°10	15°41	0°19	n.a.	F 6
S 7	20 2 50	28°40'34	6♈12	25°12	28°21	18° 1	15°15	24°58	1°21	27°15	24°19	17° 7	15°37	0°26	n.a.	S 7
S 8	20 6 47	29°39'18	20°30	26° 5	29°36	17°46	15°28	25° 5	1°20	27°17	24°18	17° 5	15°34	0°32	n.a.	S 8
M 9	20 10 44	0♌38'05	4♉34	26°54	0♌51	17°32	15°41	25°13	1°19	27°19	24°16	17°D 4	15°31	0°39	n.a.	M 9
T 10	20 14 40	1°36'55	18°23	27°41	2° 6	17°19	15°54	25°20	1°19	27°21	24°15	17° 5	15°28	0°46	n.a.	T 10
W11	20 18 37	2°35'47	1♊58	28°24	3°21	17° 5	16° 6	25°27	1°18	27°24	24°14	17° 7	15°25	0°53	n.a.	W11
T 12	20 22 33	3°34'42	15°19	29° 2	4°36	16°53	16°19	25°35	1°17	27°26	24°13	17°R 7	15°21	0°59	n.a.	T 12
F 13	20 26 30	4°33'39	28°27	29°37	5°51	16°41	16°32	25°42	1°16	27°28	24°12	17° 7	15°18	1° 6	n.a.	F 13
S 14	20 30 26	5°32'38	11♋23	0♍ 7	7° 6	16°30	16°45	25°49	1°15	27°30	24°12	17° 4	15°15	1°13	n.a.	S 14
S 15	20 34 23	6°31'40	24° 8	0°32	8°21	16°19	16°58	25°57	1°13	27°32	24°11	16°59	15°12	1°19	n.a.	S 15
M16	20 38 19	7°30'44	6♌42	0°52	9°36	16° 9	17°10	26° 4	1°12	27°34	24°10	16°52	15° 9	1°26	n.a.	M16
T 17	20 42 16	8°29'50	19° 5	1° 6	10°51	16° 0	17°23	26°11	1°11	27°36	24° 9	16°43	15° 6	1°33	n.a.	T 17
W18	20 46 12	9°28'58	1♍18	1°13	12° 6	15°51	17°36	26°19	1°10	27°38	24° 8	16°32	15° 2	1°40	n.a.	W18
T 19	20 50 9	10°28'08	13°22	1°R14	13°22	15°43	17°48	26°26	1° 8	27°40	24° 7	16°22	14°59	1°46	n.a.	T 19
F 20	20 54 6	11°27'20	25°19	1° 8	14°37	15°36	18° 1	26°33	1° 7	27°43	24° 6	16°13	14°56	1°53	n.a.	F 20
S 21	20 58 2	12°26'34	7♎10	0°55	15°52	15°30	18°13	26°40	1° 6	27°45	24° 5	16° 5	14°53	2° 0	n.a.	S 21
S 22	21 1 59	13°25'51	19° 1	0°34	17° 7	15°25	18°26	26°48	1° 4	27°47	24° 5	16° 0	14°50	2° 7	n.a.	S 22
M23	21 5 55	14°25'09	0♏53	0° 5	18°22	15°20	18°38	26°55	1° 3	27°49	24° 4	15°56	14°47	2°13	n.a.	M23
T 24	21 9 52	15°24'29	12°53	29♌29	19°37	15°16	18°51	27° 2	1° 1	27°51	24° 3	15°D55	14°43	2°20	n.a.	T 24
W25	21 13 48	16°23'51	25° 6	28°44	20°52	15°13	19° 3	27° 9	1° 0	27°54	24° 2	15°56	14°40	2°27	n.a.	W25
T 26	21 17 45	17°23'15	7♐36	27°52	22° 8	15°11	19°15	27°16	0°58	27°56	24° 2	15°56	14°37	2°33	n.a.	T 26
F 27	21 21 41	18°22'42	20°28	26°54	23°23	15°10	19°28	27°23	0°57	27°58	24° 1	15°R57	14°34	2°40	n.a.	F 27
S 28	21 25 38	19°22'10	3♑47	25°50	24°38	15°D 9	19°40	27°30	0°55	28° 0	24° 0	15°55	14°31	2°47	n.a.	S 28
S 29	21 29 34	20°21'40	17°34	24°42	25°53	15° 9	19°52	27°37	0°53	28° 2	24° 0	15°51	14°27	2°54	n.a.	S 29
M30	21 33 31	21°21'12	1♒49	23°30	27° 8	15°10	20° 4	27°44	0°51	28° 5	23°59	15°45	14°24	3° 0	n.a.	M30
T 31	21 37 28	22♌20'46	16♒27	22♌18	28♌24	15♉12	20♋16	27♋51	0♈50	28♌ 7	23♐58	15♐36	14♐21	3♎ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n55	21s36	1n57	14n 4	1s25	23n29	1n15	29s 4	6s43	23n56	0n48	22n56	1n17	0s 3	0s41	14n19	1n42	31s 9	7s23	23s18	23s 8	4s28		n.a.
M 2	21 45	18 47	3 3	13 34	1 34	23 18	1 17	29 5	6 42	23 55	0 48	22 55	1 17	0 3	0 41	14 18	1 42	31 8	7 23	23 18	23 8	4 31		n.a.
T 3	21 34	14 46	3 59	13 4	1 43	23 6	1 17	29 7	6 41	23 54	0 48	22 53	1 17	0 4	0 41	14 18	1 42	31 8	7 23	23 17	23 7	4 33		n.a.
W 4	21 24	9 51	4 41	12 35	1 52	22 53	1 18	29 7	6 39	23 52	0 48	22 52	1 17	0 4	0 41	14 17	1 42	31 8	7 23	23 17	23 7	4 36		n.a.
T 5	21 12	4 22	5 5	12 7	2 1	22 40	1 19	29 8	6 37	23 51	0 48	22 51	1 17	0 4	0 41	14 16	1 42	31 8	7 23	23 16	23 6	4 38		n.a.
F 6	21 1	1n22	5 9	11 39	2 10	22 26	1 20	29 8	6 35	23 50	0 49	22 50	1 17	0 4	0 41	14 16	1 42	31 8	7 23	23 15	23 6	4 41		n.a.
S 7	20 49	6 58	4 53	11 12	2 18	22 12	1 21	29 9	6 33	23 48	0 49	22 48	1 17	0 5	0 41	14 15	1 42	31 8	7 23	23 15	23 6	4 43		n.a.
S 8	20 36	12 8	4 19	10 46	2 27	21 56	1 21	29 8	6 31	23 47	0 49	22 47	1 17	0 5	0 41	14 14	1 42	31 8	7 23	23 15	23 5	4 46		n.a.
M 9	20 24	16 34	3 30	10 20	2 36	21 41	1 22	29 8	6 29	23 45	0 49	22 46	1 17	0 5	0 41	14 13	1 42	31 8	7 23	23 15	23 5	4 48		n.a.
T 10	20 10	20 0	2 29	9 57	2 44	21 24	1 22	29 7	6 26	23 44	0 49	22 44	1 17	0 6	0 41	14 13	1 42	31 8	7 22	23 15	23 5	4 51		n.a.
W11	19 57	22 16	1 21	9 34	2 52	21 7	1 23	29 7	6 23	23 43	0 49	22 43	1 18	0 6	0 41	14 12	1 42	31 8	7 22	23 15	23 4	4 53		n.a.
T 12	19 43	23 13	0 10	9 13	3 0	20 49	1 23	29 5	6 21	23 41	0 49	22 42	1 18	0 7	0 41	14 11	1 42	31 8	7 22	23 15	23 4	4 56		n.a.
F 13	19 29	22 52	1s 1	8 54	3 7	20 31	1 24	29 4	6 18	23 40	0 49	22 40	1 18	0 7	0 41	14 10	1 42	31 7	7 22	23 15	23 4	4 58		n.a.
S 14	19 14	21 17	2 7	8 37	3 14	20 12	1 24	29 2	6 15	23 38	0 50	22 39	1 18	0 8	0 41	14 10	1 42	31 7	7 22	23 15	23 3	5 1		n.a.
S 15	18 59	18 39	3 6	8 22	3 20	19 52	1 24	29 1	6 11	23 37	0 50	22 38	1 18	0 8	0 41	14 9	1 42	31 7	7 22	23 14	23 3	5 3		n.a.
M16	18 44	15 10	3 54	8 10	3 26	19 32	1 24	28 59	6 8	23 35	0 50	22 36	1 18	0 8	0 41	14 8	1 42	31 7	7 22	23 14	23 3	5 6		n.a.
T 17	18 29	11 6	4 31	8 0	3 32	19 11	1 24	28 57	6 5	23 34	0 50	22 35	1 18	0 9	0 41	14 7	1 42	31 7	7 22	23 13	23 2	5 8		n.a.
W18	18 13	6 38	4 55	7 53	3 36	18 50	1 24	28 54	6 1	23 32	0 50	22 34	1 18	0 10	0 41	14 7	1 42	31 7	7 22	23 12	23 2	5 11		n.a.
T 19	17 57	1 59	5 5	7 49	3 39	18 28	1 24	28 51	5 58	23 30	0 50	22 33	1 18	0 10	0 41	14 6	1 42	31 7	7 22	23 11	23 2	5 13		n.a.
F 20	17 40	2s42	5 1	7 49	3 42	18 6	1 24	28 49	5 54	23 29	0 50	22 31	1 18	0 11	0 41	14 5	1 42	31 7	7 22	23 10	23 1	5 16		n.a.
S 21	17 23	7 15	4 45	7 53	3 43	17 43	1 24	28 46	5 50	23 27	0 50	22 30	1 19	0 11	0 41	14 4	1 42	31 6	7 22	23 9	23 1	5 18		n.a.
S 22	17 6	11 31	4 16	8 0	3 43	17 19	1 24	28 43	5 46	23 26	0 51	22 29	1 19	0 12	0 41	14 4	1 42	31 6	7 22	23 8	23 0	5 21		n.a.
M23	16 49	15 22	3 37	8 12	3 42	16 56	1 23	28 39	5 42	23 24	0 51	22 27	1 19	0 12	0 41	14 3	1 42	31 6	7 22	23 8	23 0	5 23		n.a.
T 24	16 31	18 39	2 47	8 28	3 38	16 31	1 23	28 36	5 38	23 22	0 51	22 26	1 19	0 13	0 41	14 2	1 42	31 6	7 21	23 8	23 0	5 26		n.a.
W25	16 13	21 9	1 49	8 48	3 33	16 7	1 23	28 32	5 34	23 21	0 51	22 25	1 19	0 14	0 41	14 1	1 42	31 6	7 21	23 8	22 59	5 28		n.a.
T 26	15 55	22 43	0 44	9 13	3 26	15 41	1 22	28 29	5 30	23 19	0 51	22 23	1 19	0 14	0 41	14 0	1 42	31 6	7 21	23 8	22 59	5 31		n.a.
F 27	15 36	23 8	0n24	9 41	3 17	15 16	1 22	28 25	5 26	23 18	0 51	22 22	1 19	0 15	0 42	14 0	1 42	31 6	7 21	23 8	22 59	5 33		n.a.
S 28	15 17	22 16	1 34	10 14	3 6	14 50	1 21	28 21	5 22	23 16	0 51	22 21	1 19	0 16	0 42	13 59	1 42	31 6	7 21	23 8	22 58	5 36		n.a.
S 29	14 58	20 4	2 40	10 49	2 53	14 23	1 20	28 17	5 18	23 14	0 52	22 19	1 19	0 16	0 42	13 58	1 42	31 5	7 21	23 7	22 58	5 38		n.a.
M30	14 39	16 35	3 38	11 27	2 39	13 56	1 20	28 12	5 14	23 13	0 52	22 18	1 20	0 17	0 42	13 57	1 42	31 5	7 21	23 7	22 57	5 41		n.a.
T 31	14n19	12s 0	4n24	12n 6	2s22	13n29	1n19	28s 8	5s10	23n11	0n52	22n17	1n20	0s18	0s42	13n57	1n42	31s 5	7s21	23s 6	22s57	5s43		n.a.

Julian Day Number = 1109841.5, Delta T = 10h53m37s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'14, Lahiri = -27°03'14 Julian Calendar 1 Aug. 1675 BCE == Greg. Calendar 18 July 1675 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

SEPTEMBER 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 41 24	23♌20'22	1♓23	21°R 7	29♌39	15♉14	20♋28	27♋58	0°R48	28♌ 9	23°R58	15°R26	14♐18	3♎14	n.a.	W 1
T 2	21 45 21	24°20'00	16°27	19♌59	0♍54	15°18	20°40	28° 5	0♈46	28°11	23♐57	15♐16	14°15	3°20	n.a.	T 2
F 3	21 49 17	25°19'41	1♈29	18°56	2° 9	15°22	20°52	28°12	0°44	28°14	23°57	15° 7	14°12	3°27	n.a.	F 3
S 4	21 53 14	26°19'24	16°20	18° 0	3°24	15°26	21° 4	28°19	0°42	28°16	23°56	14°59	14° 8	3°34	n.a.	S 4
S 5	21 57 10	27°19'09	0♉53	17°12	4°40	15°32	21°16	28°26	0°40	28°18	23°56	14°54	14° 5	3°41	n.a.	S 5
M 6	22 1 7	28°18'57	15° 4	16°34	5°55	15°38	21°27	28°32	0°38	28°20	23°55	14°52	14° 2	3°47	n.a.	M 6
T 7	22 5 3	29°18'48	28°53	16° 7	7°10	15°45	21°39	28°39	0°36	28°23	23°55	14°D51	13°59	3°54	n.a.	T 7
W 8	22 9 0	0♍18'41	12♊20	15°50	8°25	15°53	21°51	28°46	0°34	28°25	23°55	14°R51	13°56	4° 1	n.a.	W 8
T 9	22 12 56	1°18'36	25°28	15°D46	9°41	16° 1	22° 2	28°52	0°32	28°27	23°54	14°51	13°52	4° 7	n.a.	T 9
F 10	22 16 53	2°18'34	8♋20	15°52	10°56	16°11	22°14	28°59	0°30	28°29	23°54	14°49	13°49	4°14	n.a.	F 10
S 11	22 20 50	3°18'34	20°58	16° 9	12°11	16°20	22°25	29° 6	0°28	28°32	23°54	14°44	13°46	4°21	n.a.	S 11
S 12	22 24 46	4°18'36	3♌26	16°36	13°26	16°31	22°36	29°12	0°26	28°34	23°53	14°37	13°43	4°28	n.a.	S 12
M13	22 28 43	5°18'40	15°44	17°13	14°42	16°42	22°48	29°19	0°24	28°36	23°53	14°26	13°40	4°34	n.a.	M13
T 14	22 32 39	6°18'47	27°55	17°58	15°57	16°54	22°59	29°25	0°21	28°38	23°53	14°13	13°37	4°41	n.a.	T 14
W15	22 36 36	7°18'55	9♍59	18°51	17°12	17° 7	23°10	29°31	0°19	28°40	23°53	13°58	13°33	4°48	n.a.	W15
T 16	22 40 32	8°19'05	21°57	19°51	18°27	17°20	23°21	29°38	0°17	28°43	23°52	13°44	13°30	4°54	n.a.	T 16
F 17	22 44 29	9°19'18	3♎50	20°57	19°43	17°33	23°32	29°44	0°15	28°45	23°52	13°30	13°27	5° 1	n.a.	F 17
S 18	22 48 25	10°19'32	15°40	22° 8	20°58	17°48	23°43	29°50	0°12	28°47	23°52	13°18	13°24	5° 8	n.a.	S 18
S 19	22 52 22	11°19'48	27°29	23°24	22°13	18° 3	23°54	29°56	0°10	28°49	23°52	13° 9	13°21	5°15	n.a.	S 19
M20	22 56 18	12°20'06	9♏21	24°44	23°29	18°18	24° 4	0♌ 2	0° 8	28°52	23°52	13° 3	13°18	5°21	n.a.	M20
T 21	23 0 15	13°20'26	21°19	26° 7	24°44	18°35	24°15	0° 9	0° 5	28°54	23°52	13° 0	13°14	5°28	n.a.	T 21
W22	23 4 12	14°20'47	3♐28	27°33	25°59	18°51	24°25	0°15	0° 3	28°56	23°D52	12°58	13°11	5°35	n.a.	W22
T 23	23 8 8	15°21'10	15°53	29° 2	27°14	19° 9	24°36	0°21	0° 0	28°58	23°52	12°58	13° 8	5°41	n.a.	T 23
F 24	23 12 5	16°21'35	28°39	0♍32	28°30	19°26	24°46	0°26	29♓58	29° 0	23°52	12°58	13° 5	5°48	n.a.	F 24
S 25	23 16 1	17°22'01	11♑52	2° 4	29°45	19°45	24°56	0°32	29°56	29° 2	23°52	12°56	13° 2	5°55	n.a.	S 25
S 26	23 19 58	18°22'29	25°33	3°37	1♎ 0	20° 4	25° 7	0°38	29°53	29° 5	23°52	12°52	12°58	6° 2	n.a.	S 26
M27	23 23 54	19°22'58	9♒46	5°11	2°15	20°23	25°17	0°44	29°51	29° 7	23°52	12°46	12°55	6° 8	n.a.	M27
T 28	23 27 51	20°23'28	24°27	6°46	3°30	20°43	25°27	0°49	29°48	29° 9	23°52	12°36	12°52	6°15	n.a.	T 28
W29	23 31 47	21°24'01	9♓31	8°22	4°46	21° 3	25°36	0°55	29°46	29°11	23°53	12°26	12°49	6°22	n.a.	W29
T 30	23 35 44	22♍24'34	24♓48	9♍57	6♎ 1	21♑24	25♋46	1♌ 0	29♓43	29♌13	23♐53	12♐14	12♐46	6♎28	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14n 0	6s38	4n53	12n46	2s 4	13n 1	1n18	28s 4	5s 6	23n 9	0n52	22n16	1n20	0s19	0s42	13n56	1n42	31s 5	7s21	23s 5	22s57	5s45		n.a.
T 2	13 39	0 49	5 2	13 26	1 45	12 33	1 17	27 59	5 1	23 7	0 52	22 14	1 20	0 19	0 42	13 55	1 42	31 5	7 21	23 3	22 56	5 48		n.a.
F 3	13 19	5n 1	4 50	14 5	1 25	12 5	1 16	27 54	4 57	23 6	0 52	22 13	1 20	0 20	0 42	13 54	1 42	31 5	7 20	23 2	22 56	5 50		n.a.
S 4	12 59	10 30	4 18	14 42	1 5	11 36	1 15	27 50	4 53	23 4	0 52	22 12	1 20	0 21	0 42	13 53	1 42	31 5	7 20	23 2	22 56	5 53		n.a.
S 5	12 38	15 16	3 31	15 16	0 44	11 7	1 14	27 45	4 49	23 2	0 53	22 10	1 20	0 22	0 42	13 53	1 42	31 4	7 20	23 1	22 55	5 55		n.a.
M 6	12 17	19 3	2 31	15 47	0 25	10 38	1 13	27 40	4 45	23 1	0 53	22 9	1 20	0 23	0 42	13 52	1 42	31 4	7 20	23 1	22 55	5 58		n.a.
T 7	11 56	21 39	1 24	16 13	0 5	10 8	1 11	27 35	4 41	22 59	0 53	22 8	1 21	0 23	0 42	13 51	1 42	31 4	7 20	23 1	22 54	6 0		n.a.
W 8	11 34	22 55	0 13	16 35	0n13	9 39	1 10	27 30	4 36	22 57	0 53	22 7	1 21	0 24	0 42	13 50	1 42	31 4	7 20	23 1	22 54	6 3		n.a.
T 9	11 13	22 53	0s56	16 53	0 30	9 9	1 9	27 25	4 32	22 55	0 53	22 5	1 21	0 25	0 42	13 49	1 42	31 4	7 20	23 1	22 54	6 5		n.a.
F 10	10 51	21 37	2 1	17 6	0 45	8 38	1 7	27 19	4 28	22 54	0 53	22 4	1 21	0 26	0 42	13 49	1 42	31 4	7 20	23 0	22 53	6 7		n.a.
S 11	10 29	19 17	2 58	17 14	0 59	8 8	1 6	27 14	4 24	22 52	0 54	22 3	1 21	0 27	0 42	13 48	1 42	31 4	7 19	23 0	22 53	6 10		n.a.
S 12	10 7	16 5	3 47	17 18	1 12	7 37	1 4	27 9	4 20	22 50	0 54	22 2	1 21	0 28	0 42	13 47	1 42	31 4	7 19	22 59	22 53	6 12		n.a.
M13	9 44	12 14	4 23	17 17	1 23	7 6	1 3	27 3	4 16	22 49	0 54	22 0	1 21	0 29	0 42	13 46	1 42	31 3	7 19	22 58	22 52	6 15		n.a.
T 14	9 22	7 56	4 48	17 12	1 33	6 35	1 1	26 58	4 12	22 47	0 54	21 59	1 22	0 30	0 42	13 45	1 42	31 3	7 19	22 56	22 52	6 17		n.a.
W15	8 59	3 22	4 59	17 3	1 41	6 3	1 0	26 52	4 8	22 45	0 54	21 58	1 22	0 30	0 42	13 45	1 42	31 3	7 19	22 54	22 51	6 20		n.a.
T 16	8 36	1s16	4 56	16 51	1 48	5 32	0 58	26 46	4 4	22 43	0 55	21 57	1 22	0 31	0 42	13 44	1 42	31 3	7 19	22 53	22 51	6 22		n.a.
F 17	8 13	5 50	4 41	16 34	1 54	5 0	0 56	26 41	4 0	22 42	0 55	21 55	1 22	0 32	0 42	13 43	1 42	31 3	7 19	22 51	22 51	6 24		n.a.
S 18	7 50	10 10	4 14	16 15	1 58	4 28	0 54	26 35	3 56	22 40	0 55	21 54	1 22	0 33	0 42	13 42	1 42	31 3	7 19	22 49	22 50	6 27		n.a.
S 19	7 27	14 7	3 35	15 53	2 2	3 57	0 52	26 29	3 52	22 38	0 55	21 53	1 22	0 34	0 42	13 42	1 42	31 3	7 18	22 48	22 50	6 29		n.a.
M20	7 4	17 31	2 48	15 28	2 4	3 25	0 51	26 23	3 48	22 36	0 55	21 52	1 23	0 35	0 42	13 41	1 42	31 2	7 18	22 47	22 49	6 32		n.a.
T 21	6 40	20 13	1 52	15 0	2 5	2 52	0 49	26 17	3 45	22 35	0 56	21 51	1 23	0 36	0 42	13 40	1 42	31 2	7 18	22 47	22 49	6 34		n.a.
W22	6 16	22 4	0 50	14 31	2 6	2 20	0 47	26 11	3 41	22 33	0 56	21 50	1 23	0 37	0 42	13 39	1 42	31 2	7 18	22 47	22 49	6 37		n.a.
T 23	5 53	22 52	0n15	13 59	2 5	1 48	0 45	26 4	3 37	22 31	0 56	21 48	1 23	0 38	0 42	13 39	1 42	31 2	7 18	22 47	22 48	6 39		n.a.
F 24	5 29	22 31	1 22	13 26	2 4	1 16	0 43	25 58	3 33	22 30	0 56	21 47	1 23	0 39	0 42	13 38	1 42	31 2	7 18	22 47	22 48	6 41		n.a.
S 25	5 5	20 55	2 26	12 51	2 3	0 43	0 41	25 52	3 30	22 28	0 56	21 46	1 23	0 40	0 42	13 37	1 42	31 2	7 18	22 47	22 47	6 44		n.a.
S 26	4 41	18 5	3 25	12 14	2 1	0 11	0 38	25 45	3 26	22 26	0 57	21 45	1 24	0 41	0 42	13 36	1 42	31 2	7 18	22 46	22 47	6 46		n.a.
M27	4 17	14 5	4 13	11 36	1 58	0s22	0 36	25 39	3 23	22 25	0 57	21 44	1 24	0 42	0 42	13 36	1 42	31 2	7 17	22 45	22 46	6 49		n.a.
T 28	3 53	9 8	4 46	10 58	1 55	0 54	0 34	25 32	3 19	22 23	0 57	21 43	1 24	0 43	0 42	13 35	1 42	31 1	7 17	22 44	22 46	6 51		n.a.
W29	3 28	3 31	5 0	10 18	1 51	1 26	0 32	25 26	3 16	22 21	0 57	21 42	1 24	0 44	0 42	13 34	1 42	31 1	7 17	22 43	22 46	6 53		n.a.
T 30	3n 4	2n22	4n53	9n37	1n47	1s59	0n30	25s19	3s12	22n20	0n57	21n41	1n24	0s45	0s42	13n33	1n42	31s 1	7s17	22s41	22s45	6s56		n.a.

Julian Day Number = 1109872.5, Delta T = 10h53m35s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'10, Lahiri = -27°03'10 Julian Calendar 1 Sept. 1675 BCE == Greg. Calendar 18 Aug. 1675 BCE

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

OCTOBER 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 39 41	23♍25'10	10♈ 8	11♍34	7♎16	21♑45	25♋56	1♌ 6	29°R41	29♌15	23♐53	12°R 3	12♐43	6♎35	n.a.	F 1
S 2	23 43 37	24°25'47	25°18	13°10	8°31	22° 7	26° 5	1°11	29♓38	29°17	23°53	11♐55	12°39	6°42	n.a.	S 2
S 3	23 47 34	25°26'26	10♉10	14°47	9°46	22°29	26°15	1°17	29°36	29°19	23°54	11°49	12°36	6°49	n.a.	S 3
M 4	23 51 30	26°27'08	24°37	16°23	11° 2	22°51	26°24	1°22	29°33	29°21	23°54	11°46	12°33	6°55	n.a.	M 4
T 5	23 55 27	27°27'51	8♊36	18° 0	12°17	23°14	26°33	1°27	29°31	29°23	23°54	11°D45	12°30	7° 2	n.a.	T 5
W 6	23 59 23	28°28'36	22° 8	19°37	13°32	23°37	26°43	1°32	29°28	29°25	23°55	11°R45	12°27	7° 9	n.a.	W 6
T 7	0 3 20	29°29'22	5♋15	21°13	14°47	24° 1	26°52	1°37	29°26	29°27	23°55	11°45	12°24	7°15	n.a.	T 7
F 8	0 7 16	0♌30'11	18° 2	22°49	16° 2	24°25	27° 0	1°42	29°23	29°29	23°56	11°43	12°20	7°22	n.a.	F 8
S 9	0 11 13	1°31'01	0♌32	24°26	17°17	24°50	27° 9	1°47	29°21	29°31	23°56	11°40	12°17	7°29	n.a.	S 9
S 10	0 15 10	2°31'53	12°49	26° 2	18°33	25°14	27°18	1°52	29°18	29°33	23°57	11°33	12°14	7°36	n.a.	S 10
M11	0 19 6	3°32'47	24°57	27°38	19°48	25°39	27°26	1°57	29°16	29°35	23°57	11°24	12°11	7°42	n.a.	M11
T 12	0 23 3	4°33'42	6♍58	29°13	21° 3	26° 5	27°35	2° 1	29°13	29°37	23°58	11°12	12° 8	7°49	n.a.	T 12
W13	0 26 59	5°34'38	18°54	0♎49	22°18	26°31	27°43	2° 6	29°11	29°39	23°58	10°59	12° 4	7°56	n.a.	W13
T 14	0 30 56	6°35'36	0♎47	2°24	23°33	26°57	27°51	2°10	29° 8	29°41	23°59	10°46	12° 1	8° 2	n.a.	T 14
F 15	0 34 52	7°36'35	12°38	3°59	24°48	27°23	27°59	2°15	29° 6	29°43	23°59	10°34	11°58	8° 9	n.a.	F 15
S 16	0 38 49	8°37'35	24°29	5°35	26° 3	27°50	28° 7	2°19	29° 3	29°45	24° 0	10°23	11°55	8°16	n.a.	S 16
S 17	0 42 45	9°38'37	6♏21	7° 9	27°18	28°17	28°15	2°23	29° 1	29°47	24° 1	10°15	11°52	8°22	n.a.	S 17
M18	0 46 42	10°39'40	18°16	8°44	28°34	28°45	28°23	2°27	28°59	29°48	24° 1	10°10	11°49	8°29	n.a.	M18
T 19	0 50 39	11°40'43	0♐18	10°19	29°49	29°12	28°30	2°32	28°56	29°50	24° 2	10° 7	11°45	8°36	n.a.	T 19
W20	0 54 35	12°41'48	12°29	11°54	1♏ 4	29°40	28°37	2°36	28°54	29°52	24° 3	10°D 6	11°42	8°43	n.a.	W20
T 21	0 58 32	13°42'54	24°54	13°28	2°19	0♒ 9	28°45	2°39	28°51	29°54	24° 4	10° 7	11°39	8°49	n.a.	T 21
F 22	1 2 28	14°44'00	7♑37	15° 3	3°34	0°37	28°52	2°43	28°49	29°55	24° 5	10° 8	11°36	8°56	n.a.	F 22
S 23	1 6 25	15°45'07	20°42	16°37	4°49	1° 6	28°59	2°47	28°46	29°57	24° 5	10°R 8	11°33	9° 3	n.a.	S 23
S 24	1 10 21	16°46'14	4♒14	18°11	6° 4	1°35	29° 5	2°51	28°44	29°59	24° 6	10° 7	11°29	9° 9	n.a.	S 24
M25	1 14 18	17°47'23	18°14	19°46	7°19	2° 4	29°12	2°54	28°42	0♍ 0	24° 7	10° 3	11°26	9°16	n.a.	M25
T 26	1 18 14	18°48'31	2♓42	21°20	8°34	2°34	29°18	2°58	28°39	0° 2	24° 8	9°57	11°23	9°23	n.a.	T 26
W27	1 22 11	19°49'41	17°35	22°54	9°49	3° 3	29°25	3° 1	28°37	0° 4	24° 9	9°50	11°20	9°30	n.a.	W27
T 28	1 26 8	20°50'51	2♈46	24°29	11° 4	3°33	29°31	3° 4	28°35	0° 5	24°10	9°42	11°17	9°36	n.a.	T 28
F 29	1 30 4	21°52'01	18° 5	26° 3	12°19	4° 3	29°37	3° 7	28°33	0° 7	24°11	9°34	11°14	9°43	n.a.	F 29
S 30	1 34 1	22°53'13	3♉21	27°38	13°34	4°34	29°43	3°10	28°30	0° 8	24°12	9°28	11°10	9°50	n.a.	S 30
S 31	1 37 57	23♎54'25	18♉22	29♎12	14♏48	5♒ 4	29♋49	3♌13	28♓28	0♍10	24♐13	9♐24	11♐ 7	9♎56	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n40	8n 9	4n26	8n56	1n42	2s31	0n27	25s12	3s 9	22n18	0n58	21n40	1n24	0s46	0s42	13n33	1n42	31s 1	7s17	22s40	22s45	6s58		n.a.
S 2	2 15	13 22	3 39	8 14	1 38	3 3	0 25	25 5	3 5	22 16	0 58	21 39	1 25	0 47	0 42	13 32	1 43	31 1	7 17	22 38	22 44	7 0		n.a.
S 3	1 51	17 39	2 39	7 31	1 33	3 36	0 23	24 58	3 2	22 15	0 58	21 38	1 25	0 48	0 42	13 31	1 43	31 1	7 17	22 38	22 44	7 3		n.a.
M 4	1 26	20 43	1 29	6 48	1 28	4 8	0 20	24 51	2 59	22 13	0 58	21 37	1 25	0 49	0 42	13 31	1 43	31 1	7 17	22 37	22 44	7 5		n.a.
T 5	1 2	22 25	0 17	6 5	1 22	4 40	0 18	24 44	2 56	22 12	0 58	21 36	1 25	0 50	0 42	13 30	1 43	31 1	7 16	22 37	22 43	7 8		n.a.
W 6	0 37	22 44	0s55	5 21	1 16	5 12	0 16	24 36	2 52	22 10	0 59	21 35	1 25	0 51	0 42	13 29	1 43	31 0	7 16	22 37	22 43	7 10		n.a.
T 7	0 12	21 46	2 1	4 37	1 11	5 44	0 13	24 29	2 49	22 8	0 59	21 34	1 26	0 52	0 42	13 28	1 43	31 0	7 16	22 37	22 42	7 12		n.a.
F 8	0s12	19 41	3 0	3 53	1 5	6 16	0 11	24 22	2 46	22 7	0 59	21 33	1 26	0 53	0 42	13 28	1 43	31 0	7 16	22 37	22 42	7 15		n.a.
S 9	0 37	16 42	3 48	3 9	0 59	6 47	0 8	24 14	2 43	22 5	0 59	21 32	1 26	0 54	0 42	13 27	1 43	31 0	7 16	22 36	22 41	7 17		n.a.
S 10	1 1	13 2	4 25	2 24	0 52	7 19	0 6	24 6	2 40	22 4	1 0	21 31	1 26	0 55	0 42	13 26	1 43	31 0	7 16	22 36	22 41	7 19		n.a.
M11	1 26	8 54	4 50	1 40	0 46	7 50	0 3	23 59	2 37	22 2	1 0	21 30	1 26	0 56	0 42	13 26	1 43	31 0	7 16	22 34	22 41	7 22		n.a.
T 12	1 51	4 28	5 1	0 55	0 40	8 21	0 1	23 51	2 34	22 1	1 0	21 29	1 27	0 57	0 42	13 25	1 43	31 0	7 15	22 33	22 40	7 24		n.a.
W13	2 15	0s 6	4 59	0 11	0 33	8 52	0s 2	23 43	2 31	22 0	1 0	21 28	1 27	0 58	0 42	13 24	1 43	31 0	7 15	22 31	22 40	7 27		n.a.
T 14	2 40	4 39	4 44	0s34	0 27	9 23	0 4	23 35	2 28	21 58	1 1	21 27	1 27	0 59	0 42	13 24	1 43	31 0	7 15	22 29	22 39	7 29		n.a.
F 15	3 4	9 0	4 17	1 18	0 20	9 53	0 7	23 27	2 25	21 57	1 1	21 27	1 27	1 0	0 42	13 23	1 43	31 0	7 15	22 27	22 39	7 31		n.a.
S 16	3 29	13 2	3 38	2 3	0 14	10 23	0 9	23 18	2 22	21 55	1 1	21 26	1 27	1 1	0 42	13 23	1 43	30 59	7 15	22 25	22 38	7 34		n.a.
S 17	3 53	16 33	2 50	2 47	0 7	10 53	0 12	23 10	2 20	21 54	1 1	21 25	1 28	1 2	0 42	13 22	1 43	30 59	7 15	22 24	22 38	7 36		n.a.
M18	4 18	19 25	1 54	3 31	0 1	11 23	0 14	23 2	2 17	21 53	1 2	21 24	1 28	1 3	0 42	13 21	1 43	30 59	7 15	22 23	22 38	7 38		n.a.
T 19	4 42	21 27	0 52	4 15	0s 6	11 53	0 17	22 53	2 14	21 51	1 2	21 23	1 28	1 4	0 42	13 21	1 43	30 59	7 15	22 23	22 37	7 41		n.a.
W20	5 6	22 30	0n13	4 58	0 12	12 22	0 19	22 44	2 11	21 50	1 2	21 23	1 28	1 5	0 42	13 20	1 43	30 59	7 14	22 23	22 37	7 43		n.a.
T 21	5 31	22 29	1 19	5 42	0 19	12 51	0 22	22 36	2 9	21 49	1 2	21 22	1 28	1 6	0 42	13 20	1 43	30 59	7 14	22 23	22 36	7 45		n.a.
F 22	5 55	21 18	2 22	6 25	0 25	13 19	0 24	22 27	2 6	21 48	1 3	21 21	1 29	1 7	0 42	13 19	1 43	30 59	7 14	22 23	22 36	7 48		n.a.
S 23	6 19	18 58	3 20	7 8	0 31	13 47	0 27	22 18	2 4	21 46	1 3	21 21	1 29	1 8	0 42	13 18	1 43	30 59	7 14	22 23	22 35	7 50		n.a.
S 24	6 43	15 32	4 9	7 50	0 37	14 15	0 29	22 9	2 1	21 45	1 3	21 20	1 29	1 9	0 42	13 18	1 43	30 59	7 14	22 23	22 35	7 52		n.a.
M25	7 6	11 8	4 45	8 32	0 44	14 43	0 32	22 0	1 58	21 44	1 3	21 19	1 29	1 10	0 42	13 17	1 43	30 59	7 14	22 22	22 35	7 55		n.a.
T 26	7 30	5 59	5 5	9 14	0 50	15 10	0 34	21 50	1 56	21 43	1 4	21 19	1 29	1 11	0 42	13 17	1 44	30 59	7 14	22 22	22 34	7 57		n.a.
W27	7 54	0 20	5 4	9 56	0 56	15 36	0 37	21 41	1 54	21 42	1 4	21 18	1 30	1 12	0 42	13 16	1 44	30 59	7 14	22 21	22 34	7 59		n.a.
T 28	8 17	5n26	4 43	10 36	1 1	16 3	0 39	21 31	1 51	21 41	1 4	21 18	1 30	1 12	0 42	13 16	1 44	30 59	7 14	22 19	22 33	8 1		n.a.
F 29	8 40	10 55	4 1	11 17	1 7	16 29	0 42	21 22	1 49	21 40	1 4	21 17	1 30	1 13	0 42	13 15	1 44	30 58	7 13	22 18	22 33	8 4		n.a.
S 30	9 4	15 42	3 2	11 57	1 13	16 54	0 44	21 12	1 46	21 39	1 5	21 17	1 30	1 14	0 42	13 15	1 44	30 58	7 13	22 17	22 32	8 6		n.a.
S 31	9s27	19n24	1n51	12s36	1s18	17s19	0s46	21s 2	1s44	21n38	1n 5	21n16	1n31	1s15	0s41	13n14	1n44	30s58	7s13	22s17	22s32	8s 8		n.a.

Julian Day Number = 1109902.5, Delta T = 10h53m34s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'06, Lahiri = -27°03'06 Julian Calendar 1 Oct. 1675 BCE == Greg. Calendar 17 Sept. 1675 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

NOVEMBER 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 41 54	24♎55'38	3♊ 2	0♏47	16♏ 3	5♒35	29♋54	3♌16	28°R26	0♍11	24♐14	9°D22	11♐ 4	10♎ 3	n.a.	M 1
T 2	1 45 50	25°56'52	17°14	2°21	17°18	6° 6	29°59	3°19	28♓24	0°13	24°15	9♐23	11° 1	10°10	n.a.	T 2
W 3	1 49 47	26°58'07	0♋58	3°56	18°33	6°37	0♌ 5	3°22	28°22	0°14	24°16	9°24	10°58	10°17	n.a.	W 3
T 4	1 53 43	27°59'23	14°14	5°31	19°48	7° 9	0°10	3°24	28°20	0°16	24°17	9°25	10°55	10°23	n.a.	T 4
F 5	1 57 40	29° 0'39	27° 6	7° 6	21° 3	7°40	0°15	3°27	28°18	0°17	24°18	9°R26	10°51	10°30	n.a.	F 5
S 6	2 1 37	0♏ 1'56	9♌37	8°41	22°18	8°12	0°19	3°29	28°16	0°18	24°20	9°26	10°48	10°37	n.a.	S 6
S 7	2 5 33	1° 3'14	21°52	10°16	23°32	8°44	0°24	3°31	28°14	0°20	24°21	9°23	10°45	10°43	n.a.	S 7
M 8	2 9 30	2° 4'32	3♍56	11°51	24°47	9°16	0°28	3°34	28°12	0°21	24°22	9°19	10°42	10°50	n.a.	M 8
T 9	2 13 26	3° 5'51	15°52	13°27	26° 2	9°48	0°33	3°36	28°10	0°22	24°23	9°14	10°39	10°57	n.a.	T 9
W10	2 17 23	4° 7'10	27°44	15° 2	27°17	10°20	0°37	3°38	28° 8	0°24	24°24	9° 7	10°35	11° 3	n.a.	W10
T 11	2 21 19	5° 8'30	9♎34	16°37	28°32	10°53	0°41	3°40	28° 6	0°25	24°26	9° 0	10°32	11°10	n.a.	T 11
F 12	2 25 16	6° 9'50	21°25	18°12	29°46	11°25	0°44	3°41	28° 4	0°26	24°27	8°54	10°29	11°17	n.a.	F 12
S 13	2 29 13	7°11'11	3♏20	19°47	1♐ 1	11°58	0°48	3°43	28° 2	0°27	24°28	8°48	10°26	11°24	n.a.	S 13
S 14	2 33 9	8°12'31	15°18	21°22	2°16	12°31	0°51	3°44	28° 0	0°28	24°30	8°44	10°23	11°30	n.a.	S 14
M15	2 37 6	9°13'52	27°23	22°56	3°30	13° 4	0°54	3°46	27°59	0°29	24°31	8°42	10°20	11°37	n.a.	M15
T 16	2 41 2	10°15'13	9♐36	24°31	4°45	13°38	0°57	3°47	27°57	0°30	24°32	8°D42	10°16	11°44	n.a.	T 16
W17	2 44 59	11°16'33	21°58	26° 4	6° 0	14°11	1° 0	3°49	27°55	0°31	24°34	8°42	10°13	11°50	n.a.	W17
T 18	2 48 55	12°17'53	4♑33	27°37	7°14	14°45	1° 3	3°50	27°54	0°32	24°35	8°44	10°10	11°57	n.a.	T 18
F 19	2 52 52	13°19'14	17°22	29° 9	8°29	15°18	1° 5	3°51	27°52	0°33	24°37	8°45	10° 7	12° 4	n.a.	F 19
S 20	2 56 48	14°20'33	0♒29	0♐40	9°44	15°52	1° 7	3°52	27°51	0°34	24°38	8°47	10° 4	12°10	n.a.	S 20
S 21	3 0 45	15°21'52	13°56	2°10	10°58	16°26	1° 9	3°52	27°49	0°35	24°40	8°R48	10° 1	12°17	n.a.	S 21
M22	3 4 42	16°23'11	27°45	3°38	12°13	17° 0	1°11	3°53	27°48	0°36	24°41	8°47	9°57	12°24	n.a.	M22
T 23	3 8 38	17°24'29	11♓57	5° 5	13°27	17°34	1°13	3°54	27°46	0°37	24°43	8°46	9°54	12°31	n.a.	T 23
W24	3 12 35	18°25'47	26°28	6°29	14°42	18° 8	1°14	3°54	27°45	0°38	24°44	8°43	9°51	12°37	n.a.	W24
T 25	3 16 31	19°27'03	11♈17	7°50	15°56	18°43	1°15	3°54	27°44	0°38	24°46	8°41	9°48	12°44	n.a.	T 25
F 26	3 20 28	20°28'20	26°15	9° 8	17°10	19°17	1°17	3°55	27°42	0°39	24°47	8°38	9°45	12°51	n.a.	F 26
S 27	3 24 24	21°29'36	11♉16	10°22	18°25	19°52	1°17	3°55	27°41	0°40	24°49	8°36	9°41	12°57	n.a.	S 27
S 28	3 28 21	22°30'51	26° 9	11°32	19°39	20°26	1°18	3°R55	27°40	0°40	24°50	8°35	9°38	13° 4	n.a.	S 28
M29	3 32 18	23°32'06	10♊47	12°36	20°54	21° 1	1°19	3°55	27°39	0°41	24°52	8°D35	9°35	13°11	n.a.	M29
T 30	3 36 14	24♏33'21	25♊ 4	13♐35	22♐ 8	21♒36	1♌19	3♌55	27♓38	0♍42	24♐53	8♐35	9♐32	13♎17	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9s50	21n43	0n34	13s15	1s23	17s44	0s49	20s52	1s42	21n37	1n 5	21n16	1n31	1s16	0s41	13n14	1n44	30s58	7s13	22s16	22s31	8s11		n.a.
T 2	10 12	22 33	0s43	13 54	1 28	18 8	0 51	20 42	1 40	21 36	1 6	21 15	1 31	1 17	0 41	13 13	1 44	30 58	7 13	22 16	22 31	8 13		n.a.
W 3	10 35	21 59	1 54	14 31	1 33	18 31	0 53	20 32	1 37	21 35	1 6	21 15	1 31	1 18	0 41	13 13	1 44	30 58	7 13	22 17	22 30	8 15		n.a.
T 4	10 57	20 10	2 58	15 8	1 38	18 54	0 56	20 22	1 35	21 34	1 6	21 14	1 32	1 18	0 41	13 12	1 44	30 58	7 13	22 17	22 30	8 18		n.a.
F 5	11 20	17 22	3 50	15 44	1 42	19 17	0 58	20 11	1 33	21 33	1 6	21 14	1 32	1 19	0 41	13 12	1 44	30 58	7 13	22 17	22 30	8 20		n.a.
S 6	11 42	13 51	4 30	16 20	1 46	19 39	1 0	20 1	1 31	21 33	1 7	21 14	1 32	1 20	0 41	13 11	1 44	30 58	7 13	22 17	22 29	8 22		n.a.
S 7	12 3	9 49	4 56	16 55	1 50	20 1	1 2	19 50	1 29	21 32	1 7	21 13	1 32	1 21	0 41	13 11	1 44	30 58	7 13	22 16	22 29	8 24		n.a.
M 8	12 25	5 27	5 9	17 28	1 54	20 22	1 4	19 40	1 27	21 31	1 7	21 13	1 32	1 22	0 41	13 11	1 44	30 58	7 12	22 16	22 28	8 27		n.a.
T 9	12 47	0 57	5 9	18 1	1 57	20 42	1 6	19 29	1 25	21 31	1 8	21 13	1 33	1 22	0 41	13 10	1 44	30 58	7 12	22 15	22 28	8 29		n.a.
W10	13 8	3s34	4 55	18 33	2 0	21 2	1 8	19 18	1 22	21 30	1 8	21 13	1 33	1 23	0 41	13 10	1 44	30 58	7 12	22 14	22 27	8 31		n.a.
T 11	13 29	7 57	4 28	19 4	2 3	21 21	1 11	19 7	1 20	21 29	1 8	21 12	1 33	1 24	0 41	13 9	1 44	30 58	7 12	22 13	22 27	8 34		n.a.
F 12	13 50	12 3	3 50	19 34	2 5	21 40	1 12	18 56	1 18	21 29	1 8	21 12	1 33	1 25	0 41	13 9	1 44	30 58	7 12	22 12	22 26	8 36		n.a.
S 13	14 10	15 41	3 1	20 3	2 7	21 58	1 14	18 45	1 17	21 28	1 9	21 12	1 34	1 25	0 41	13 9	1 45	30 58	7 12	22 11	22 26	8 38		n.a.
S 14	14 30	18 43	2 5	20 30	2 8	22 15	1 16	18 33	1 15	21 28	1 9	21 12	1 34	1 26	0 41	13 8	1 45	30 58	7 12	22 10	22 25	8 40		n.a.
M15	14 50	20 57	1 2	20 56	2 9	22 32	1 18	18 22	1 13	21 28	1 9	21 12	1 34	1 27	0 41	13 8	1 45	30 58	7 12	22 10	22 25	8 43		n.a.
T 16	15 10	22 13	0n 5	21 21	2 10	22 48	1 20	18 10	1 11	21 27	1 10	21 12	1 34	1 27	0 41	13 8	1 45	30 58	7 12	22 10	22 24	8 45		n.a.
W17	15 30	22 26	1 12	21 44	2 10	23 3	1 22	17 59	1 9	21 27	1 10	21 12	1 35	1 28	0 41	13 7	1 45	30 58	7 12	22 10	22 24	8 47		n.a.
T 18	15 49	21 31	2 17	22 5	2 9	23 18	1 23	17 47	1 7	21 27	1 10	21 12	1 35	1 29	0 41	13 7	1 45	30 58	7 12	22 10	22 24	8 49		n.a.
F 19	16 8	19 29	3 17	22 25	2 8	23 32	1 25	17 35	1 5	21 26	1 11	21 12	1 35	1 29	0 41	13 7	1 45	30 58	7 12	22 11	22 23	8 52		n.a.
S 20	16 27	16 24	4 8	22 44	2 6	23 45	1 27	17 23	1 4	21 26	1 11	21 12	1 35	1 30	0 41	13 7	1 45	30 58	7 12	22 11	22 23	8 54		n.a.
S 21	16 45	12 23	4 46	23 0	2 4	23 58	1 28	17 11	1 2	21 26	1 11	21 12	1 36	1 30	0 41	13 6	1 45	30 58	7 12	22 11	22 22	8 56		n.a.
M22	17 3	7 39	5 9	23 15	2 0	24 10	1 30	16 59	1 0	21 26	1 12	21 12	1 36	1 31	0 41	13 6	1 45	30 58	7 11	22 11	22 22	8 58		n.a.
T 23	17 21	2 22	5 15	23 27	1 56	24 21	1 31	16 47	0 58	21 26	1 12	21 12	1 36	1 31	0 41	13 6	1 45	30 58	7 11	22 11	22 21	9 1		n.a.
W24	17 38	3n 9	5 0	23 37	1 51	24 31	1 32	16 34	0 57	21 26	1 12	21 12	1 36	1 32	0 41	13 6	1 45	30 58	7 11	22 10	22 21	9 3		n.a.
T 25	17 55	8 36	4 26	23 46	1 45	24 41	1 34	16 22	0 55	21 26	1 12	21 12	1 37	1 32	0 41	13 5	1 45	30 58	7 11	22 10	22 20	9 5		n.a.
F 26	18 12	13 37	3 33	23 52	1 39	24 50	1 35	16 10	0 53	21 26	1 13	21 12	1 37	1 33	0 41	13 5	1 45	30 58	7 11	22 9	22 20	9 7		n.a.
S 27	18 28	17 47	2 25	23 55	1 31	24 58	1 36	15 57	0 52	21 26	1 13	21 12	1 37	1 33	0 41	13 5	1 45	30 58	7 11	22 9	22 19	9 10		n.a.
S 28	18 45	20 45	1 8	23 56	1 22	25 5	1 37	15 44	0 50	21 26	1 13	21 13	1 37	1 34	0 41	13 5	1 46	30 58	7 11	22 9	22 19	9 12		n.a.
M29	19 0	22 17	0s12	23 55	1 12	25 12	1 38	15 31	0 48	21 26	1 14	21 13	1 38	1 34	0 41	13 5	1 46	30 58	7 11	22 9	22 18	9 14		n.a.
T 30	19s16	22n18	1s30	23s52	1s 1	25s18	1s39	15s19	0s47	21n27	1n14	21n13	1n38	1s35	0s41	13n 4	1n46	30s58	7s11	22s 9	22s18	9s16		n.a.

Julian Day Number = 1109933.5, Delta T = 10h53m32s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°10'02, Lahiri = -27°03'01 Julian Calendar 1 Nov. 1675 BCE == Greg. Calendar 18 Oct. 1675 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1675 BCE
geocentric

DECEMBER 1675 BCE (-1674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 40 11	25♏34'35	8♋56	14♐26	23♐22	22♒11	1°R19	3°R54	27°R37	0♍42	24♐55	8♐36	9♐29	13♎24	n.a.	W 1
T 2	3 44 7	26°35'48	22°21	15°10	24°36	22°46	1♌19	3♌54	27♓36	0°43	24°57	8°37	9°26	13°31	n.a.	T 2
F 3	3 48 4	27°37'02	5♌22	15°46	25°51	23°21	1°19	3°54	27°35	0°43	24°58	8°38	9°22	13°38	n.a.	F 3
S 4	3 52 0	28°38'15	17°59	16°12	27° 5	23°56	1°18	3°53	27°34	0°44	25° 0	8°39	9°19	13°44	n.a.	S 4
S 5	3 55 57	29°39'27	0♍19	16°27	28°19	24°31	1°18	3°52	27°33	0°44	25° 2	8°R39	9°16	13°51	n.a.	S 5
M 6	3 59 53	0♐40'39	12°24	16°R32	29°33	25° 6	1°17	3°51	27°32	0°45	25° 3	8°39	9°13	13°58	n.a.	M 6
T 7	4 3 50	1°41'50	24°20	16°25	0♑47	25°42	1°16	3°50	27°32	0°45	25° 5	8°38	9°10	14° 4	n.a.	T 7
W 8	4 7 47	2°43'01	6♎10	16° 7	2° 1	26°17	1°15	3°49	27°31	0°45	25° 7	8°38	9° 6	14°11	n.a.	W 8
T 9	4 11 43	3°44'11	18° 0	15°37	3°15	26°52	1°13	3°48	27°30	0°46	25° 8	8°37	9° 3	14°18	n.a.	T 9
F 10	4 15 40	4°45'20	29°53	14°56	4°29	27°28	1°12	3°47	27°30	0°46	25°10	8°36	9° 0	14°24	n.a.	F 10
S 11	4 19 36	5°46'29	11♏52	14° 4	5°43	28° 4	1°10	3°46	27°29	0°46	25°12	8°36	8°57	14°31	n.a.	S 11
S 12	4 23 33	6°47'37	23°59	13° 4	6°57	28°39	1° 8	3°44	27°29	0°46	25°14	8°36	8°54	14°38	n.a.	S 12
M13	4 27 29	7°48'43	6♐17	11°57	8°11	29°15	1° 6	3°43	27°28	0°46	25°15	8°D36	8°51	14°45	n.a.	M13
T 14	4 31 26	8°49'49	18°46	10°45	9°25	29°51	1° 3	3°41	27°28	0°46	25°17	8°R36	8°47	14°51	n.a.	T 14
W15	4 35 23	9°50'54	1♑27	9°30	10°39	0♓27	1° 1	3°39	27°28	0°47	25°19	8°35	8°44	14°58	n.a.	W15
T 16	4 39 19	10°51'57	14°22	8°14	11°53	1° 3	0°58	3°38	27°28	0°47	25°21	8°35	8°41	15° 5	n.a.	T 16
F 17	4 43 16	11°52'59	27°29	7° 0	13° 6	1°39	0°55	3°36	27°27	0°R47	25°22	8°35	8°38	15°11	n.a.	F 17
S 18	4 47 12	12°54'00	10♒51	5°50	14°20	2°15	0°52	3°34	27°27	0°47	25°24	8°34	8°35	15°18	n.a.	S 18
S 19	4 51 9	13°54'59	24°26	4°44	15°34	2°51	0°48	3°31	27°27	0°47	25°26	8°34	8°32	15°25	n.a.	S 19
M20	4 55 5	14°55'57	8♓16	3°46	16°47	3°27	0°45	3°29	27°D27	0°46	25°28	8°D34	8°28	15°31	n.a.	M20
T 21	4 59 2	15°56'52	22°18	2°55	18° 1	4° 4	0°41	3°27	27°27	0°46	25°29	8°34	8°25	15°38	n.a.	T 21
W22	5 2 58	16°57'47	6♈32	2°12	19°14	4°40	0°37	3°24	27°27	0°46	25°31	8°34	8°22	15°45	n.a.	W22
T 23	5 6 55	17°58'39	20°56	1°37	20°28	5°16	0°33	3°22	27°27	0°46	25°33	8°35	8°19	15°52	n.a.	T 23
F 24	5 10 52	18°59'30	5♉26	1°11	21°41	5°53	0°29	3°19	27°27	0°46	25°35	8°36	8°16	15°58	n.a.	F 24
S 25	5 14 48	20° 0'19	19°58	0°54	22°54	6°29	0°25	3°17	27°28	0°46	25°37	8°37	8°12	16° 5	n.a.	S 25
S 26	5 18 45	21° 1'07	4♊27	0°44	24° 7	7° 6	0°20	3°14	27°28	0°45	25°39	8°R37	8° 9	16°12	n.a.	S 26
M27	5 22 41	22° 1'53	18°46	0°D43	25°21	7°42	0°16	3°11	27°28	0°45	25°40	8°37	8° 6	16°18	n.a.	M27
T 28	5 26 38	23° 2'38	2♋52	0°48	26°34	8°19	0°11	3° 8	27°28	0°45	25°42	8°36	8° 3	16°25	n.a.	T 28
W29	5 30 34	24° 3'21	16°38	1° 1	27°47	8°55	0° 6	3° 5	27°29	0°44	25°44	8°34	8° 0	16°32	n.a.	W29
T 30	5 34 31	25° 4'03	0♌ 4	1°19	29° 0	9°32	0° 1	3° 2	27°29	0°44	25°46	8°32	7°57	16°38	n.a.	T 30
F 31	5 38 28	26♐ 4'43	13♌ 7	1♐44	0♒13	10♓ 8	29♋55	2♌59	27♓30	0♍43	25♐48	8♐29	7♐53	16♎45	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	19s31	20n55	2s40	23s46	0s48	25s23	1s40	15s 6	0s45	21n27	1n14	21n14	1n38	1s35	0s41	13n 4	1n46	30s58	7s11	22s 9	22s17	9s18		n.a.	
T 2	19 46	18 23	3 40	23 38	0 35	25 27	1 41	14 53	0 44	21 27	1 15	21 14	1 38	1 35	0 41	13 4	1 46	30 58	7 11	22 9	22 17	9 21		n.a.	
F 3	20 0	15 0	4 25	23 27	0 20	25 31	1 42	14 39	0 42	21 28	1 15	21 14	1 39	1 36	0 40	13 4	1 46	30 58	7 11	22 9	22 16	9 23		n.a.	
S 4	20 14	11 1	4 57	23 14	0 4	25 34	1 42	14 26	0 41	21 28	1 15	21 15	1 39	1 36	0 40	13 4	1 46	30 58	7 11	22 10	22 16	9 25		n.a.	
S 5	20 27	6 41	5 14	22 59	0n13	25 36	1 43	14 13	0 39	21 28	1 16	21 15	1 39	1 36	0 40	13 4	1 46	30 58	7 11	22 10	22 15	9 27		n.a.	
M 6	20 41	2 10	5 16	22 41	0 30	25 37	1 44	13 59	0 38	21 29	1 16	21 15	1 39	1 37	0 40	13 4	1 46	30 58	7 11	22 9	22 15	9 30		n.a.	
T 7	20 53	2s22	5 5	22 22	0 49	25 37	1 44	13 46	0 36	21 29	1 16	21 16	1 40	1 37	0 40	13 4	1 46	30 58	7 11	22 9	22 14	9 32		n.a.	
W 8	21 6	6 47	4 41	22 1	1 8	25 37	1 44	13 32	0 35	21 30	1 17	21 16	1 40	1 37	0 40	13 4	1 46	30 58	7 11	22 9	22 14	9 34		n.a.	
T 9	21 18	10 57	4 5	21 39	1 27	25 36	1 45	13 19	0 34	21 31	1 17	21 17	1 40	1 37	0 40	13 4	1 46	30 58	7 11	22 9	22 13	9 36		n.a.	
F 10	21 29	14 44	3 19	21 15	1 47	25 34	1 45	13 5	0 32	21 31	1 17	21 17	1 40	1 38	0 40	13 4	1 46	30 59	7 11	22 9	22 13	9 38		n.a.	
S 11	21 40	17 57	2 23	20 51	2 5	25 31	1 45	12 51	0 31	21 32	1 17	21 18	1 40	1 38	0 40	13 4	1 46	30 59	7 11	22 9	22 12	9 40		n.a.	
S 12	21 51	20 25	1 20	20 26	2 23	25 27	1 45	12 37	0 30	21 33	1 18	21 19	1 41	1 38	0 40	13 4	1 46	30 59	7 11	22 9	22 12	9 43		n.a.	
M13	22 1	21 58	0 13	20 0	2 40	25 23	1 45	12 23	0 28	21 34	1 18	21 19	1 41	1 38	0 40	13 4	1 47	30 59	7 11	22 9	22 11	9 45		n.a.	
T 14	22 11	22 28	0n56	19 36	2 55	25 18	1 45	12 9	0 27	21 34	1 18	21 20	1 41	1 38	0 40	13 4	1 47	30 59	7 11	22 9	22 11	9 47		n.a.	
W15	22 21	21 49	2 4	19 12	3 8	25 12	1 45	11 55	0 26	21 35	1 19	21 20	1 41	1 38	0 40	13 4	1 47	30 59	7 11	22 9	22 10	9 49		n.a.	
T 16	22 30	20 1	3 6	18 50	3 18	25 5	1 45	11 41	0 24	21 36	1 19	21 21	1 42	1 38	0 40	13 4	1 47	30 59	7 11	22 9	22 10	9 51		n.a.	
F 17	22 38	17 8	3 59	18 30	3 26	24 58	1 45	11 27	0 23	21 37	1 19	21 22	1 42	1 38	0 40	13 4	1 47	30 59	7 11	22 9	22 9	9 54		n.a.	
S 18	22 46	13 20	4 41	18 12	3 32	24 50	1 44	11 12	0 22	21 38	1 20	21 22	1 42	1 38	0 40	13 4	1 47	30 59	7 11	22 9	22 9	9 56		n.a.	
S 19	22 54	8 47	5 8	17 57	3 36	24 41	1 44	10 58	0 21	21 39	1 20	21 23	1 42	1 38	0 40	13 4	1 47	30 59	7 11	22 9	22 8	9 58		n.a.	
M20	23 1	3 44	5 17	17 45	3 37	24 31	1 43	10 44	0 19	21 40	1 20	21 24	1 43	1 38	0 40	13 4	1 47	30 59	7 11	22 9	22 8	10 0		n.a.	
T 21	23 8	1n36	5 8	17 36	3 36	24 21	1 43	10 29	0 18	21 41	1 20	21 25	1 43	1 38	0 40	13 4	1 47	30 59	7 11	22 9	22 7	10 2		n.a.	
W22	23 14	6 55	4 40	17 30	3 34	24 10	1 42	10 14	0 17	21 42	1 21	21 26	1 43	1 38	0 40	13 4	1 47	31 0	7 11	22 9	22 7	10 4		n.a.	
T 23	23 20	11 56	3 55	17 27	3 30	23 58	1 41	10 0	0 16	21 44	1 21	21 26	1 43	1 38	0 40	13 4	1 47	31 0	7 11	22 9	22 6	10 6		n.a.	
F 24	23 25	16 18	2 54	17 27	3 24	23 45	1 40	9 45	0 15	21 45	1 21	21 27	1 43	1 38	0 40	13 4	1 47	31 0	7 11	22 9	22 6	10 9		n.a.	
S 25	23 30	19 42	1 42	17 30	3 17	23 32	1 39	9 30	0 14	21 46	1 22	21 28	1 44	1 38	0 40	13 5	1 47	31 0	7 11	22 9	22 5	10 11		n.a.	
S 26	23 35	21 48	0 23	17 36	3 10	23 18	1 38	9 16	0 12	21 47	1 22	21 29	1 44	1 38	0 40	13 5	1 47	31 0	7 11	22 9	22 5	10 13		n.a.	
M27	23 39	22 28	0s56	17 44	3 1	23 3	1 37	9 1	0 11	21 49	1 22	21 30	1 44	1 38	0 40	13 5	1 47	31 0	7 11	22 9	22 4	10 15		n.a.	
T 28	23 42	21 41	2 10	17 54	2 52	22 48	1 36	8 46	0 10	21 50	1 22	21 31	1 44	1 37	0 39	13 5	1 48	31 0	7 11	22 9	22 4	10 17		n.a.	
W29	23 45	19 36	3 15	18 6	2 42	22 32	1 35	8 31	0 9	21 51	1 23	21 32	1 44	1 37	0 39	13 5	1 48	31 0	7 11	22 9	22 3	10 19		n.a.	
T 30	23 48	16 29	4 8	18 20	2 32	22 16	1 33	8 16	0 8	21 53	1 23	21 33	1 45	1 37	0 39	13 6	1 48	31 0	7 12	22 8	22 3	10 21		n.a.	
F 31	23s50	12n38	4s45	18s35	2n22	21s59	1s32	8s 1	0s 7	21n54	1n23	21n34	1n45	1s37	0s39	13n 6	1n48	31s 1	7s12	22s 8	22s 2	10s24		n.a.	

Julian Day Number = 1109963.5, Delta T = 10h53m30s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'58, Lahiri = -27°02'57 Julian Calendar 1 Dec. 1675 BCE == Greg. Calendar 17 Nov. 1675 BCE

The year -1674 astronomical counting style corresponds to year 1675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

JANUARY 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 42 24	27♐ 5'21	25♌50	2♐14	1♒26	10♓45	29°R50	2°R55	27♓31	0°R43	25♐49	8°R27	7♐50	16♎52	n.a.	S 1
S 2	5 46 21	28° 5'59	8♍13	2°49	2°38	11°22	29♋44	2♌52	27°31	0♍42	25°51	8♐25	7°47	16°59	n.a.	S 2
M 3	5 50 17	29° 6'34	20°22	3°28	3°51	11°59	29°39	2°49	27°32	0°42	25°53	8°24	7°44	17° 5	n.a.	M 3
T 4	5 54 14	0♑ 7'09	2♎19	4°12	5° 4	12°35	29°33	2°45	27°33	0°41	25°55	8°D23	7°41	17°12	n.a.	T 4
W 5	5 58 10	1° 7'42	14°11	4°59	6°17	13°12	29°27	2°41	27°33	0°41	25°57	8°24	7°38	17°19	n.a.	W 5
T 6	6 2 7	2° 8'13	26° 1	5°50	7°29	13°49	29°21	2°38	27°34	0°40	25°58	8°25	7°34	17°25	n.a.	T 6
F 7	6 6 3	3° 8'43	7♏55	6°45	8°42	14°26	29°14	2°34	27°35	0°39	26° 0	8°27	7°31	17°32	n.a.	F 7
S 8	6 10 0	4° 9'11	19°58	7°42	9°54	15° 3	29° 8	2°30	27°36	0°39	26° 2	8°29	7°28	17°39	n.a.	S 8
S 9	6 13 57	5° 9'38	2♐11	8°42	11° 6	15°40	29° 1	2°26	27°37	0°38	26° 4	8°30	7°25	17°45	n.a.	S 9
M10	6 17 53	6°10'03	14°40	9°45	12°18	16°17	28°55	2°23	27°38	0°37	26° 6	8°R30	7°22	17°52	n.a.	M10
T 11	6 21 50	7°10'26	27°25	10°50	13°31	16°54	28°48	2°19	27°39	0°36	26° 7	8°28	7°18	17°59	n.a.	T 11
W12	6 25 46	8°10'47	10♑28	11°57	14°43	17°31	28°41	2°15	27°40	0°35	26° 9	8°26	7°15	18° 5	n.a.	W12
T 13	6 29 43	9°11'07	23°47	13° 6	15°55	18° 8	28°34	2°11	27°41	0°35	26°11	8°21	7°12	18°12	n.a.	T 13
F 14	6 33 39	10°11'24	7♒22	14°17	17° 7	18°45	28°27	2° 6	27°43	0°34	26°13	8°16	7° 9	18°19	n.a.	F 14
S 15	6 37 36	11°11'39	21° 9	15°31	18°18	19°22	28°20	2° 2	27°44	0°33	26°15	8°11	7° 6	18°26	n.a.	S 15
S 16	6 41 32	12°11'52	5♓ 6	16°45	19°30	19°59	28°13	1°58	27°45	0°32	26°16	8° 6	7° 3	18°32	n.a.	S 16
M17	6 45 29	13°12'03	19° 9	18° 2	20°42	20°36	28° 6	1°54	27°47	0°31	26°18	8° 2	6°59	18°39	n.a.	M17
T 18	6 49 26	14°12'12	3♈16	19°20	21°53	21°13	27°58	1°49	27°48	0°30	26°20	8° 0	6°56	18°46	n.a.	T 18
W19	6 53 22	15°12'18	17°25	20°40	23° 5	21°50	27°51	1°45	27°50	0°29	26°22	8°D 0	6°53	18°52	n.a.	W19
T 20	6 57 19	16°12'21	1♉35	22° 1	24°16	22°27	27°43	1°41	27°51	0°28	26°23	8° 1	6°50	18°59	n.a.	T 20
F 21	7 1 15	17°12'23	15°42	23°23	25°27	23° 5	27°36	1°36	27°53	0°27	26°25	8° 2	6°47	19° 6	n.a.	F 21
S 22	7 5 12	18°12'22	29°47	24°47	26°39	23°42	27°28	1°32	27°54	0°26	26°27	8° 3	6°44	19°12	n.a.	S 22
S 23	7 9 8	19°12'19	13♊46	26°13	27°50	24°19	27°21	1°27	27°56	0°25	26°28	8°R 3	6°40	19°19	n.a.	S 23
M24	7 13 5	20°12'14	27°38	27°39	29° 0	24°56	27°13	1°23	27°58	0°23	26°30	8° 2	6°37	19°26	n.a.	M24
T 25	7 17 1	21°12'06	11♋20	29° 7	0♓11	25°33	27° 5	1°18	28° 0	0°22	26°32	7°58	6°34	19°32	n.a.	T 25
W26	7 20 58	22°11'56	24°49	0♑36	1°22	26°11	26°58	1°14	28° 1	0°21	26°33	7°52	6°31	19°39	n.a.	W26
T 27	7 24 55	23°11'44	8♌ 2	2° 6	2°32	26°48	26°50	1° 9	28° 3	0°20	26°35	7°45	6°28	19°46	n.a.	T 27
F 28	7 28 51	24°11'30	20°59	3°38	3°43	27°25	26°42	1° 4	28° 5	0°19	26°37	7°36	6°24	19°52	n.a.	F 28
S 29	7 32 48	25°11'14	3♍38	5°11	4°53	28° 2	26°34	1° 0	28° 7	0°17	26°38	7°28	6°21	19°59	n.a.	S 29
S 30	7 36 44	26°10'56	16° 1	6°45	6° 3	28°40	26°26	0°55	28° 9	0°16	26°40	7°20	6°18	20° 6	n.a.	S 30
M31	7 40 41	27♑10'36	28♍10	8♑20	7♓13	29♓17	26♋19	0♌50	28♓11	0♍15	26♐42	7♐14	6♐15	20♎13	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s51	8n19	5s 8	18s51	2n12	21s41	1s30	7s46	0s 6	21n55	1n23	21n34	1n45	1s36	0s39	13n 6	1n48	31s 1	7s12	22s 8	22s 2	10s26		n.a.
S 2	23 52	3 46	5 16	19 8	2 1	21 22	1 29	7 31	0 5	21 57	1 24	21 35	1 45	1 36	0 39	13 6	1 48	31 1	7 12	22 7	22 1	10 28		n.a.
M 3	23 53	0s50	5 9	19 26	1 50	21 3	1 27	7 15	0 4	21 58	1 24	21 36	1 45	1 36	0 39	13 7	1 48	31 1	7 12	22 7	22 1	10 30		n.a.
T 4	23 53	5 20	4 49	19 45	1 40	20 44	1 25	7 0	0 3	22 0	1 24	21 37	1 46	1 36	0 39	13 7	1 48	31 1	7 12	22 7	22 0	10 32		n.a.
W 5	23 53	9 37	4 16	20 4	1 29	20 24	1 23	6 45	0 2	22 1	1 24	21 38	1 46	1 35	0 39	13 7	1 48	31 1	7 12	22 7	22 0	10 34		n.a.
T 6	23 52	13 32	3 33	20 23	1 19	20 3	1 21	6 30	0 1	22 3	1 25	21 40	1 46	1 35	0 39	13 7	1 48	31 1	7 12	22 7	21 59	10 36		n.a.
F 7	23 51	16 56	2 40	20 43	1 8	19 42	1 19	6 14	0n 0	22 5	1 25	21 41	1 46	1 34	0 39	13 8	1 48	31 2	7 12	22 8	21 58	10 38		n.a.
S 8	23 49	19 40	1 40	21 3	0 58	19 20	1 17	5 59	0 1	22 6	1 25	21 42	1 46	1 34	0 39	13 8	1 48	31 2	7 12	22 8	21 58	10 40		n.a.
S 9	23 47	21 33	0 35	21 22	0 48	18 58	1 15	5 43	0 2	22 8	1 25	21 43	1 47	1 34	0 39	13 8	1 48	31 2	7 12	22 8	21 57	10 43		n.a.
M10	23 44	22 26	0n34	21 42	0 38	18 35	1 13	5 28	0 3	22 9	1 26	21 44	1 47	1 33	0 39	13 9	1 48	31 2	7 12	22 8	21 57	10 45		n.a.
T 11	23 41	22 10	1 42	22 1	0 29	18 12	1 10	5 13	0 4	22 11	1 26	21 45	1 47	1 33	0 39	13 9	1 48	31 2	7 12	22 8	21 56	10 47		n.a.
W12	23 38	20 42	2 46	22 20	0 19	17 48	1 8	4 57	0 5	22 13	1 26	21 46	1 47	1 32	0 39	13 9	1 48	31 2	7 13	22 7	21 56	10 49		n.a.
T 13	23 34	18 6	3 43	22 38	0 10	17 24	1 6	4 41	0 6	22 14	1 26	21 47	1 47	1 32	0 39	13 10	1 49	31 2	7 13	22 7	21 55	10 51		n.a.
F 14	23 29	14 28	4 28	22 56	0 1	17 0	1 3	4 26	0 7	22 16	1 26	21 48	1 47	1 31	0 39	13 10	1 49	31 3	7 13	22 6	21 55	10 53		n.a.
S 15	23 24	10 1	4 58	23 13	0s 8	16 35	1 0	4 10	0 8	22 18	1 27	21 49	1 48	1 31	0 39	13 10	1 49	31 3	7 13	22 5	21 54	10 55		n.a.
S 16	23 19	5 0	5 11	23 29	0 17	16 9	0 58	3 55	0 8	22 19	1 27	21 50	1 48	1 30	0 39	13 11	1 49	31 3	7 13	22 4	21 54	10 57		n.a.
M17	23 13	0n18	5 6	23 45	0 25	15 44	0 55	3 39	0 9	22 21	1 27	21 52	1 48	1 29	0 39	13 11	1 49	31 3	7 13	22 4	21 53	10 59		n.a.
T 18	23 7	5 37	4 42	24 0	0 33	15 18	0 52	3 23	0 10	22 23	1 27	21 53	1 48	1 29	0 39	13 12	1 49	31 3	7 13	22 3	21 53	11 1		n.a.
W19	23 0	10 40	4 1	24 14	0 41	14 51	0 49	3 8	0 11	22 24	1 27	21 54	1 48	1 28	0 39	13 12	1 49	31 3	7 13	22 3	21 52	11 3		n.a.
T 20	22 53	15 8	3 5	24 27	0 48	14 24	0 46	2 52	0 12	22 26	1 27	21 55	1 48	1 27	0 39	13 12	1 49	31 4	7 14	22 3	21 51	11 5		n.a.
F 21	22 45	18 44	1 59	24 38	0 55	13 57	0 43	2 36	0 13	22 28	1 28	21 56	1 48	1 27	0 39	13 13	1 49	31 4	7 14	22 4	21 51	11 7		n.a.
S 22	22 37	21 13	0 45	24 49	1 2	13 29	0 40	2 21	0 14	22 29	1 28	21 57	1 49	1 26	0 39	13 13	1 49	31 4	7 14	22 4	21 50	11 9		n.a.
S 23	22 29	22 22	0s31	24 59	1 9	13 2	0 37	2 5	0 14	22 31	1 28	21 58	1 49	1 25	0 38	13 14	1 49	31 4	7 14	22 4	21 50	11 12		n.a.
M24	22 20	22 8	1 44	25 7	1 15	12 33	0 33	1 49	0 15	22 33	1 28	22 0	1 49	1 25	0 38	13 14	1 49	31 4	7 14	22 3	21 49	11 14		n.a.
T 25	22 11	20 34	2 50	25 14	1 21	12 5	0 30	1 33	0 16	22 34	1 28	22 1	1 49	1 24	0 38	13 15	1 49	31 5	7 14	22 3	21 49	11 16		n.a.
W26	22 1	17 52	3 46	25 20	1 27	11 36	0 27	1 18	0 17	22 36	1 28	22 2	1 49	1 23	0 38	13 15	1 49	31 5	7 14	22 2	21 48	11 18		n.a.
T 27	21 51	14 17	4 28	25 24	1 32	11 7	0 23	1 2	0 17	22 38	1 28	22 3	1 49	1 22	0 38	13 16	1 49	31 5	7 15	22 1	21 48	11 20		n.a.
F 28	21 41	10 7	4 55	25 27	1 37	10 38	0 20	0 46	0 18	22 39	1 29	22 4	1 49	1 22	0 38	13 16	1 49	31 5	7 15	21 59	21 47	11 22		n.a.
S 29	21 30	5 36	5 7	25 28	1 41	10 9	0 16	0 30	0 19	22 41	1 29	22 5	1 49	1 21	0 38	13 17	1 49	31 5	7 15	21 58	21 46	11 24		n.a.
S 30	21 19	0 57	5 4	25 28	1 46	9 39	0 13	0 14	0 20	22 43	1 29	22 6	1 49	1 20	0 38	13 17	1 49	31 6	7 15	21 57	21 46	11 26		n.a.
M31	21s 7	3s38	4s48	25s26	1s49	9s 9	0s 9	0n 1	0n20	22n44	1n29	22n 8	1n50	1s19	0s38	13n18	1n49	31s 6	7s15	21s56	21s45	11s28		n.a.

Julian Day Number = 1109994.5, Delta T = 10h53m28s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'54, Lahiri = -27°02'53 Julian Calendar 1 Jan. 1674 BCE == Greg. Calendar 18 Dec. 1675 BCE

The year -1673 astronomical counting style corresponds to year 1674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

FEBRUARY 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 44 37	28♉10'13	10♎ 8	9♉56	8♓23	29♓54	26°R11	0°R46	28♓13	0°R14	26♐43	7°R10	6♐12	20♎19	n.a.	T 1
W 2	7 48 34	29° 9'49	22° 0	11°34	9°33	0♈32	26♋ 3	0♌41	28°15	0♍12	26°45	7♐ 8	6° 9	20°26	n.a.	W 2
T 3	7 52 30	0♒ 9'24	3♏50	13°13	10°43	1° 9	25°55	0°36	28°17	0°11	26°46	7°D 8	6° 5	20°33	n.a.	T 3
F 4	7 56 27	1° 8'56	15°44	14°53	11°52	1°46	25°47	0°32	28°20	0°10	26°48	7° 9	6° 2	20°39	n.a.	F 4
S 5	8 0 23	2° 8'26	27°47	16°34	13° 2	2°24	25°40	0°27	28°22	0° 8	26°50	7°10	5°59	20°46	n.a.	S 5
S 6	8 4 20	3° 7'54	10♐ 3	18°17	14°11	3° 1	25°32	0°22	28°24	0° 7	26°51	7°R10	5°56	20°53	n.a.	S 6
M 7	8 8 17	4° 7'21	22°38	20° 0	15°20	3°38	25°24	0°18	28°26	0° 5	26°53	7° 9	5°53	20°59	n.a.	M 7
T 8	8 12 13	5° 6'45	5♉34	21°46	16°29	4°16	25°17	0°13	28°29	0° 4	26°54	7° 5	5°50	21° 6	n.a.	T 8
W 9	8 16 10	6° 6'07	18°53	23°32	17°38	4°53	25° 9	0° 8	28°31	0° 2	26°56	6°59	5°46	21°13	n.a.	W 9
T 10	8 20 6	7° 5'28	2♒34	25°20	18°46	5°30	25° 1	0° 4	28°34	0° 1	26°57	6°51	5°43	21°19	n.a.	T 10
F 11	8 24 3	8° 4'46	16°34	27° 9	19°55	6° 8	24°54	29♋59	28°36	29♌59	26°58	6°41	5°40	21°26	n.a.	F 11
S 12	8 27 59	9° 4'01	0♓50	28°59	21° 3	6°45	24°47	29°54	28°38	29°58	27° 0	6°31	5°37	21°33	n.a.	S 12
S 13	8 31 56	10° 3'14	15°14	0♒51	22°11	7°23	24°39	29°50	28°41	29°57	27° 1	6°22	5°34	21°39	n.a.	S 13
M14	8 35 52	11° 2'25	29°42	2°44	23°19	8° 0	24°32	29°45	28°44	29°55	27° 3	6°14	5°30	21°46	n.a.	M14
T 15	8 39 49	12° 1'34	14♈ 6	4°38	24°27	8°38	24°25	29°41	28°46	29°53	27° 4	6° 8	5°27	21°53	n.a.	T 15
W16	8 43 45	13° 0'40	28°24	6°34	25°35	9°15	24°18	29°36	28°49	29°52	27° 5	6° 6	5°24	22° 0	n.a.	W16
T 17	8 47 42	13°59'43	12♉33	8°30	26°42	9°52	24°11	29°32	28°51	29°50	27° 7	6°D 5	5°21	22° 6	n.a.	T 17
F 18	8 51 39	14°58'44	26°31	10°29	27°50	10°30	24° 4	29°27	28°54	29°49	27° 8	6° 5	5°18	22°13	n.a.	F 18
S 19	8 55 35	15°57'43	10♊19	12°28	28°57	11° 7	23°57	29°23	28°57	29°47	27° 9	6°R 5	5°15	22°20	n.a.	S 19
S 20	8 59 32	16°56'39	23°56	14°28	0♈ 3	11°45	23°50	29°19	29° 0	29°46	27°11	6° 4	5°11	22°26	n.a.	S 20
M21	9 3 28	17°55'32	7♋23	16°30	1°10	12°22	23°44	29°14	29° 2	29°44	27°12	6° 0	5° 8	22°33	n.a.	M21
T 22	9 7 25	18°54'24	20°40	18°33	2°16	13° 0	23°37	29°10	29° 5	29°42	27°13	5°54	5° 5	22°40	n.a.	T 22
W23	9 11 21	19°53'13	3♌46	20°36	3°23	13°37	23°31	29° 6	29° 8	29°41	27°14	5°45	5° 2	22°46	n.a.	W23
T 24	9 15 18	20°51'59	16°40	22°40	4°29	14°14	23°24	29° 2	29°11	29°39	27°16	5°34	4°59	22°53	n.a.	T 24
F 25	9 19 14	21°50'44	29°21	24°45	5°34	14°52	23°18	28°58	29°14	29°38	27°17	5°21	4°56	23° 0	n.a.	F 25
S 26	9 23 11	22°49'26	11♍50	26°50	6°40	15°29	23°12	28°53	29°17	29°36	27°18	5° 8	4°52	23° 6	n.a.	S 26
S 27	9 27 7	23°48'06	24° 6	28°55	7°45	16° 7	23° 6	28°49	29°20	29°34	27°19	4°56	4°49	23°13	n.a.	S 27
M28	9 31 4	24♒46'44	6♎11	1♓ 1	8♈50	16♈44	23♋ 1	28♋45	29♓23	29♌33	27♐20	4♐45	4♐46	23♎20	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	20s55	8s 2	4s19	25s23	1s53	8s39	0s 5	0n17	0n21	22n46	1n29	22n 9	1n50	1s18	0s38	13n18	1n49	31s 6	7s15	21s55	21s45	11s30		n.a.	T 1
W 2	20 43	12 6	3 39	25 18	1 56	8 9	0 1	0 33	0 22	22 47	1 29	22 10	1 50	1 17	0 38	13 19	1 49	31 6	7 15	21 55	21 44	11 32		n.a.	W 2
T 3	20 30	15 41	2 49	25 11	1 59	7 39	0n 2	0 49	0 23	22 49	1 29	22 11	1 50	1 16	0 38	13 19	1 50	31 6	7 16	21 55	21 44	11 34		n.a.	T 3
F 4	20 17	18 39	1 53	25 2	2 1	7 8	0 6	1 4	0 23	22 51	1 29	22 12	1 50	1 15	0 38	13 20	1 50	31 7	7 16	21 55	21 43	11 36		n.a.	F 4
S 5	20 3	20 51	0 50	24 52	2 3	6 38	0 10	1 20	0 24	22 52	1 29	22 13	1 50	1 15	0 38	13 20	1 50	31 7	7 16	21 55	21 43	11 38		n.a.	S 5
S 6	19 49	22 7	0n16	24 40	2 4	6 7	0 14	1 36	0 25	22 54	1 29	22 14	1 50	1 14	0 38	13 21	1 50	31 7	7 16	21 55	21 42	11 40		n.a.	S 6
M 7	19 35	22 19	1 22	24 25	2 5	5 36	0 18	1 52	0 25	22 55	1 29	22 15	1 50	1 13	0 38	13 21	1 50	31 7	7 16	21 55	21 41	11 42		n.a.	M 7
T 8	19 21	21 20	2 26	24 9	2 5	5 5	0 22	2 7	0 26	22 57	1 29	22 17	1 50	1 12	0 38	13 22	1 50	31 8	7 17	21 54	21 41	11 44		n.a.	T 8
W 9	19 6	19 10	3 24	23 51	2 5	4 34	0 26	2 23	0 27	22 58	1 29	22 18	1 50	1 11	0 38	13 22	1 50	31 8	7 17	21 53	21 40	11 46		n.a.	W 9
T 10	18 51	15 52	4 12	23 31	2 5	4 3	0 31	2 39	0 27	23 0	1 29	22 19	1 50	1 10	0 38	13 23	1 50	31 8	7 17	21 52	21 40	11 48		n.a.	T 10
F 11	18 35	11 38	4 45	23 9	2 4	3 32	0 35	2 54	0 28	23 1	1 29	22 20	1 50	1 9	0 38	13 24	1 50	31 8	7 17	21 50	21 39	11 50		n.a.	F 11
S 12	18 19	6 41	5 2	22 44	2 2	3 1	0 39	3 10	0 29	23 2	1 29	22 21	1 50	1 8	0 38	13 24	1 50	31 8	7 17	21 48	21 39	11 52		n.a.	S 12
S 13	18 3	1 19	5 0	22 18	2 0	2 30	0 43	3 26	0 29	23 4	1 29	22 22	1 50	1 7	0 38	13 25	1 50	31 9	7 18	21 47	21 38	11 54		n.a.	S 13
M14	17 47	4n 7	4 39	21 50	1 58	1 58	0 47	3 41	0 30	23 5	1 29	22 23	1 51	1 5	0 38	13 25	1 50	31 9	7 18	21 45	21 37	11 56		n.a.	M14
T 15	17 30	9 20	4 0	21 19	1 55	1 27	0 52	3 57	0 31	23 6	1 29	22 24	1 51	1 4	0 38	13 26	1 50	31 9	7 18	21 44	21 37	11 58		n.a.	T 15
W16	17 13	14 0	3 6	20 46	1 51	0 56	0 56	4 13	0 31	23 8	1 29	22 25	1 51	1 3	0 38	13 26	1 50	31 9	7 18	21 44	21 36	12 0		n.a.	W16
T 17	16 56	17 49	2 2	20 12	1 47	0 25	1 0	4 28	0 32	23 9	1 29	22 26	1 51	1 2	0 38	13 27	1 50	31 10	7 18	21 44	21 36	12 2		n.a.	T 17
F 18	16 39	20 34	0 51	19 35	1 42	0n 6	1 5	4 44	0 32	23 10	1 29	22 27	1 51	1 1	0 38	13 28	1 50	31 10	7 19	21 44	21 35	12 4		n.a.	F 18
S 19	16 21	22 3	0s22	18 56	1 37	0 38	1 9	4 59	0 33	23 11	1 29	22 28	1 51	1 0	0 38	13 28	1 50	31 10	7 19	21 44	21 35	12 6		n.a.	S 19
S 20	16 3	22 12	1 33	18 15	1 31	1 9	1 13	5 15	0 34	23 12	1 29	22 29	1 51	0 59	0 38	13 29	1 50	31 10	7 19	21 43	21 34	12 8		n.a.	S 20
M21	15 45	21 3	2 38	17 32	1 25	1 40	1 18	5 30	0 34	23 14	1 29	22 30	1 51	0 58	0 38	13 29	1 50	31 11	7 19	21 43	21 33	12 10		n.a.	M21
T 22	15 26	18 45	3 33	16 47	1 18	2 11	1 22	5 45	0 35	23 15	1 29	22 31	1 51	0 57	0 38	13 30	1 50	31 11	7 19	21 42	21 33	12 11		n.a.	T 22
W23	15 7	15 32	4 16	16 0	1 10	2 41	1 27	6 1	0 35	23 16	1 29	22 32	1 51	0 55	0 38	13 31	1 50	31 11	7 20	21 40	21 32	12 13		n.a.	W23
T 24	14 48	11 37	4 45	15 11	1 2	3 12	1 31	6 16	0 36	23 17	1 29	22 32	1 51	0 54	0 37	13 31	1 50	31 11	7 20	21 38	21 32	12 15		n.a.	T 24
F 25	14 29	7 15	4 59	14 21	0 53	3 43	1 36	6 31	0 36	23 18	1 29	22 33	1 51	0 53	0 37	13 32	1 50	31 12	7 20	21 36	21 31	12 17		n.a.	F 25
S 26	14 10	2 40	4 59	13 29	0 44	4 13	1 40	6 46	0 37	23 19	1 29	22 34	1 51	0 52	0 37	13 32	1 50	31 12	7 20	21 33	21 31	12 19		n.a.	S 26
S 27	13 50	1s57	4 44	12 36	0 34	4 43	1 44	7 2	0 37	23 20	1 29	22 35	1 51	0 51	0 37	13 33	1 50	31 12	7 21	21 31	21 30	12 21		n.a.	S 27
M28	13s30	6s25	4s17	11s42	0s24	5n14	1n49	7n17	0n38	23n21	1n29	22n36	1n51	0s49	0s37	13n34	1n50	31s12	7s21	21s29	21s29	12s23		n.a.	M28

Julian Day Number = 1110025.5, Delta T = 10h53m26s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'49, Lahiri = -27°02'49 Julian Calendar 1 Feb. 1674 BCE == Greg. Calendar 18 Jan. 1674 BCE

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

MARCH 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 35 1	25♒45'21	18♎ 7	3♓ 5	9♈55	17♈22	22°R55	28°R42	29♓26	29°R31	27♐21	4°R38	4♐43	23♎26	n.a.	T 1
W 2	9 38 57	26°43'55	29°57	5°10	10°59	17°59	22♋50	28♋38	29°29	29♏30	27°23	4♐33	4°40	23°33	n.a.	W 2
T 3	9 42 54	27°42'28	11♏46	7°13	12° 4	18°37	22°44	28°34	29°32	29°28	27°24	4°30	4°36	23°40	n.a.	T 3
F 4	9 46 50	28°40'58	23°39	9°15	13° 8	19°14	22°39	28°30	29°35	29°26	27°25	4°29	4°33	23°46	n.a.	F 4
S 5	9 50 47	29°39'28	5♐41	11°15	14°11	19°51	22°34	28°26	29°38	29°25	27°26	4°29	4°30	23°53	n.a.	S 5
S 6	9 54 43	0♓37'55	17°56	13°13	15°15	20°29	22°29	28°23	29°41	29°23	27°27	4°29	4°27	24° 0	n.a.	S 6
M 7	9 58 40	1°36'20	0♉32	15° 9	16°18	21° 6	22°24	28°19	29°44	29°21	27°28	4°27	4°24	24° 6	n.a.	M 7
T 8	10 2 36	2°34'44	13°31	17° 2	17°21	21°44	22°20	28°16	29°47	29°20	27°29	4°23	4°21	24°13	n.a.	T 8
W 9	10 6 33	3°33'06	26°57	18°52	18°23	22°21	22°15	28°12	29°51	29°18	27°29	4°16	4°17	24°20	n.a.	W 9
T 10	10 10 29	4°31'26	10♒50	20°39	19°26	22°59	22°11	28° 9	29°54	29°16	27°30	4° 7	4°14	24°26	n.a.	T 10
F 11	10 14 26	5°29'44	25° 7	22°23	20°27	23°36	22° 7	28° 6	29°57	29°15	27°31	3°56	4°11	24°33	n.a.	F 11
S 12	10 18 23	6°28'01	9♓44	24° 3	21°29	24°14	22° 3	28° 3	0♈ 0	29°13	27°32	3°44	4° 8	24°40	n.a.	S 12
S 13	10 22 19	7°26'15	24°33	25°39	22°30	24°51	21°59	28° 0	0° 4	29°12	27°33	3°33	4° 5	24°47	n.a.	S 13
M14	10 26 16	8°24'27	9♈26	27°10	23°31	25°29	21°56	27°57	0° 7	29°10	27°34	3°24	4° 1	24°53	n.a.	M14
T 15	10 30 12	9°22'37	24°13	28°38	24°32	26° 6	21°52	27°54	0°10	29° 8	27°34	3°18	3°58	25° 0	n.a.	T 15
W16	10 34 9	10°20'46	8♉49	0♈ 1	25°32	26°44	21°49	27°51	0°13	29° 7	27°35	3°14	3°55	25° 7	n.a.	W16
T 17	10 38 5	11°18'52	23° 9	1°20	26°32	27°21	21°46	27°48	0°17	29° 5	27°36	3°12	3°52	25°13	n.a.	T 17
F 18	10 42 2	12°16'56	7♊10	2°34	27°31	27°59	21°43	27°45	0°20	29° 4	27°37	3°12	3°49	25°20	n.a.	F 18
S 19	10 45 58	13°14'57	20°54	3°44	28°30	28°36	21°40	27°43	0°23	29° 2	27°37	3°12	3°46	25°27	n.a.	S 19
S 20	10 49 55	14°12'57	4♋21	4°49	29°28	29°13	21°38	27°40	0°27	29° 0	27°38	3°11	3°42	25°33	n.a.	S 20
M21	10 53 51	15°10'55	17°32	5°49	0♉27	29°51	21°35	27°38	0°30	28°59	27°39	3° 7	3°39	25°40	n.a.	M21
T 22	10 57 48	16° 8'50	0♌31	6°44	1°24	0♉28	21°33	27°36	0°34	28°57	27°39	3° 1	3°36	25°47	n.a.	T 22
W23	11 1 45	17° 6'44	13°17	7°34	2°21	1° 6	21°31	27°33	0°37	28°56	27°40	2°52	3°33	25°53	n.a.	W23
T 24	11 5 41	18° 4'36	25°52	8°19	3°18	1°43	21°30	27°31	0°40	28°54	27°40	2°41	3°30	26° 0	n.a.	T 24
F 25	11 9 38	19° 2'26	8♍17	8°59	4°14	2°21	21°28	27°29	0°44	28°53	27°41	2°29	3°27	26° 7	n.a.	F 25
S 26	11 13 34	20° 0'14	20°32	9°34	5°10	2°58	21°26	27°27	0°47	28°51	27°41	2°16	3°23	26°13	n.a.	S 26
S 27	11 17 31	20°58'00	2♎38	10° 4	6° 5	3°36	21°25	27°25	0°51	28°50	27°42	2° 4	3°20	26°20	n.a.	S 27
M28	11 21 27	21°55'45	14°37	10°29	6°59	4°13	21°24	27°23	0°54	28°48	27°42	1°54	3°17	26°27	n.a.	M28
T 29	11 25 24	22°53'28	26°29	10°48	7°53	4°51	21°23	27°22	0°57	28°47	27°43	1°46	3°14	26°33	n.a.	T 29
W30	11 29 20	23°51'11	8♏17	11° 2	8°47	5°28	21°22	27°20	1° 1	28°45	27°43	1°41	3°11	26°40	n.a.	W30
T 31	11 33 17	24♓48'51	20♏ 6	11♈12	9♉39	6♉ 5	21♋22	27♋19	1♈ 4	28♏44	27♐43	1♐39	3♐ 7	26♎47	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	13s10	10s36	3s39	10s46	0s13	5n44	1n53	7n32	0n39	23n22	1n29	22n37	1n51	0s48	0s37	13n34	1n50	31s13	7s21	21s28	21s29	12s25			n.a.
W 2	12 50	14 20	2 52	9 50	0 3	6 14	1 58	7 47	0 39	23 22	1 29	22 37	1 51	0 47	0 37	13 35	1 50	31 13	7 21	21 27	21 28	12 27			n.a.
T 3	12 30	17 30	1 57	8 54	0n 9	6 43	2 2	8 2	0 40	23 23	1 29	22 38	1 51	0 46	0 37	13 35	1 50	31 13	7 21	21 26	21 28	12 29			n.a.
F 4	12 9	19 57	0 57	7 57	0 20	7 13	2 6	8 17	0 40	23 24	1 29	22 39	1 51	0 44	0 37	13 36	1 50	31 13	7 22	21 26	21 27	12 31			n.a.
S 5	11 48	21 33	0n 6	7 0	0 31	7 42	2 11	8 32	0 41	23 25	1 28	22 40	1 51	0 43	0 37	13 37	1 50	31 14	7 22	21 26	21 26	12 33			n.a.
S 6	11 27	22 9	1 11	6 3	0 43	8 11	2 15	8 47	0 41	23 26	1 28	22 40	1 51	0 42	0 37	13 37	1 50	31 14	7 22	21 26	21 26	12 35			n.a.
M 7	11 6	21 40	2 13	5 7	0 54	8 40	2 20	9 2	0 42	23 26	1 28	22 41	1 51	0 40	0 37	13 38	1 50	31 14	7 22	21 26	21 25	12 36			n.a.
T 8	10 45	20 1	3 11	4 12	1 6	9 8	2 24	9 16	0 42	23 27	1 28	22 42	1 50	0 39	0 37	13 38	1 50	31 14	7 23	21 25	21 25	12 38			n.a.
W 9	10 23	17 14	4 0	3 18	1 17	9 37	2 28	9 31	0 43	23 28	1 28	22 43	1 50	0 38	0 37	13 39	1 50	31 15	7 23	21 24	21 24	12 40			n.a.
T 10	10 2	13 25	4 36	2 26	1 28	10 5	2 32	9 46	0 43	23 28	1 28	22 43	1 50	0 37	0 37	13 40	1 50	31 15	7 23	21 22	21 23	12 42			n.a.
F 11	9 40	8 44	4 57	1 34	1 39	10 33	2 36	10 0	0 43	23 29	1 28	22 44	1 50	0 35	0 37	13 40	1 50	31 15	7 23	21 20	21 23	12 44			n.a.
S 12	9 18	3 27	4 59	0 45	1 49	11 0	2 41	10 15	0 44	23 29	1 28	22 44	1 50	0 34	0 37	13 41	1 50	31 15	7 24	21 18	21 22	12 46			n.a.
S 13	8 56	2n 5	4 41	0n 3	1 59	11 27	2 45	10 29	0 44	23 30	1 28	22 45	1 50	0 33	0 37	13 41	1 50	31 16	7 24	21 16	21 22	12 48			n.a.
M14	8 34	7 32	4 4	0 48	2 8	11 54	2 49	10 44	0 45	23 30	1 27	22 46	1 50	0 31	0 37	13 42	1 50	31 16	7 24	21 14	21 21	12 50			n.a.
T 15	8 12	12 30	3 10	1 32	2 17	12 21	2 53	10 58	0 45	23 31	1 27	22 46	1 50	0 30	0 37	13 42	1 50	31 16	7 24	21 12	21 20	12 52			n.a.
W16	7 50	16 41	2 5	2 13	2 25	12 47	2 57	11 12	0 46	23 31	1 27	22 47	1 50	0 28	0 37	13 43	1 50	31 17	7 25	21 12	21 20	12 53			n.a.
T 17	7 27	19 46	0 53	2 52	2 32	13 13	3 1	11 26	0 46	23 31	1 27	22 47	1 50	0 27	0 37	13 44	1 50	31 17	7 25	21 11	21 19	12 55			n.a.
F 18	7 5	21 34	0s21	3 28	2 39	13 39	3 5	11 40	0 47	23 32	1 27	22 48	1 50	0 26	0 37	13 44	1 50	31 17	7 25	21 11	21 19	12 57			n.a.
S 19	6 42	22 2	1 32	4 1	2 44	14 4	3 8	11 54	0 47	23 32	1 27	22 48	1 50	0 24	0 37	13 45	1 50	31 17	7 25	21 11	21 18	12 59			n.a.
S 20	6 19	21 12	2 37	4 32	2 49	14 29	3 12	12 8	0 47	23 32	1 27	22 49	1 50	0 23	0 37	13 45	1 50	31 18	7 26	21 11	21 17	13 1			n.a.
M21	5 57	19 13	3 32	5 0	2 53	14 53	3 16	12 22	0 48	23 33	1 26	22 49	1 50	0 22	0 37	13 46	1 50	31 18	7 26	21 10	21 17	13 3			n.a.
T 22	5 34	16 16	4 15	5 25	2 57	15 17	3 19	12 36	0 48	23 33	1 26	22 49	1 50	0 20	0 37	13 46	1 50	31 18	7 26	21 9	21 16	13 5			n.a.
W23	5 11	12 37	4 44	5 47	2 59	15 41	3 23	12 50	0 49	23 33	1 26	22 50	1 50	0 19	0 37	13 47	1 50	31 18	7 27	21 8	21 15	13 6			n.a.
T 24	4 48	8 27	4 59	6 6	3 0	16 4	3 26	13 4	0 49	23 33	1 26	22 50	1 49	0 17	0 37	13 47	1 50	31 19	7 27	21 5	21 15	13 8			n.a.
F 25	4 25	4 0	5 0	6 23	3 0	16 27	3 30	13 17	0 50	23 33	1 26	22 50	1 49	0 16	0 37	13 48	1 50	31 19	7 27	21 3	21 14	13 10			n.a.
S 26	4 2	0s33	4 46	6 36	2 59	16 49	3 33	13 31	0 50	23 33	1 26	22 51	1 49	0 15	0 37	13 48	1 50	31 19	7 27	21 0	21 14	13 12			n.a.
S 27	3 39	5 2	4 20	6 46	2 57	17 11	3 36	13 44	0 50	23 33	1 26	22 51	1 49	0 13	0 37	13 49	1 50	31 20	7 28	20 58	21 13	13 14			n.a.
M28	3 16	9 16	3 43	6 53	2 54	17 32	3 39	13 57	0 51	23 33	1 25	22 51	1 49	0 12	0 37	13 49	1 50	31 20	7 28	20 56	21 12	13 16			n.a.
T 29	2 52	13 7	2 56	6 57	2 50	17 53	3 42	14 11	0 51	23 33	1 25	22 52	1 49	0 10	0 37	13 50	1 50	31 20	7 28	20 54	21 12	13 17			n.a.
W30	2 29	16 26	2 1	6 58	2 45	18 14	3 45	14 24	0 51	23 33	1 25	22 52	1 49	0 9	0 37	13 50	1 50	31 20	7 28	20 53	21 11	13 19			n.a.
T 31	2s 6	19s 5	1s 1	6n55	2n38	18n34	3n48	14n37	0n52	23n33	1n25	22n52	1n49	0s 8	0s37	13n51	1n50	31s21	7s29	20s53	21s11	13s21			n.a.

Julian Day Number = 1110053.5, Delta T = 10h53m24s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'46, Lahiri = -27°02'45 Julian Calendar 1 March 1674 BCE == Greg. Calendar 15 Feb. 1674 BCE

The year -1673 astronomical counting style corresponds to year 1674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

APRIL 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 37 14	25♓46'31	1♐58	11°R16	10♉32	6♉43	21°R22	27°R17	1♈ 8	28°R42	27♐44	1°D38	3♐ 4	26♎53	n.a.	F 1
S 2	11 41 10	26°44'09	13°59	11♈15	11°23	7°20	21°D21	27♋16	1°11	28♏41	27°44	1♐38	3° 1	27° 0	n.a.	S 2
S 3	11 45 7	27°41'46	26°13	11°10	12°14	7°58	21♋21	27°15	1°15	28°40	27°44	1°R39	2°58	27° 7	n.a.	S 3
M 4	11 49 3	28°39'22	8♉47	10°59	13° 4	8°35	21°22	27°14	1°18	28°38	27°45	1°38	2°55	27°13	n.a.	M 4
T 5	11 53 0	29°36'56	21°44	10°45	13°53	9°13	21°22	27°13	1°22	28°37	27°45	1°36	2°52	27°20	n.a.	T 5
W 6	11 56 56	0♈34'30	5♒ 8	10°27	14°42	9°50	21°23	27°12	1°25	28°36	27°45	1°32	2°48	27°27	n.a.	W 6
T 7	12 0 53	1°32'02	19° 2	10° 4	15°30	10°28	21°23	27°11	1°29	28°34	27°45	1°25	2°45	27°33	n.a.	T 7
F 8	12 4 49	2°29'34	3♓23	9°39	16°17	11° 5	21°24	27°10	1°32	28°33	27°45	1°17	2°42	27°40	n.a.	F 8
S 9	12 8 46	3°27'04	18° 9	9°11	17° 3	11°43	21°25	27°10	1°36	28°32	27°46	1° 8	2°39	27°47	n.a.	S 9
S 10	12 12 42	4°24'33	3♈11	8°40	17°49	12°20	21°27	27° 9	1°39	28°30	27°46	1° 0	2°36	27°53	n.a.	S 10
M11	12 16 39	5°22'00	18°20	8° 8	18°33	12°58	21°28	27° 9	1°43	28°29	27°46	0°53	2°32	28° 0	n.a.	M11
T 12	12 20 36	6°19'27	3♉26	7°34	19°17	13°35	21°30	27° 8	1°46	28°28	27°46	0°48	2°29	28° 7	n.a.	T 12
W13	12 24 32	7°16'52	18°20	7° 0	19°59	14°13	21°31	27° 8	1°49	28°27	27°R46	0°46	2°26	28°13	n.a.	W13
T 14	12 28 29	8°14'15	2♊56	6°26	20°41	14°50	21°33	27°D 8	1°53	28°26	27°46	0°D45	2°23	28°20	n.a.	T 14
F 15	12 32 25	9°11'38	17° 9	5°52	21°22	15°28	21°36	27° 8	1°56	28°24	27°46	0°46	2°20	28°27	n.a.	F 15
S 16	12 36 22	10° 8'59	0♋59	5°20	22° 1	16° 5	21°38	27° 8	2° 0	28°23	27°46	0°47	2°17	28°33	n.a.	S 16
S 17	12 40 18	11° 6'19	14°26	4°49	22°39	16°43	21°40	27° 8	2° 3	28°22	27°46	0°R47	2°13	28°40	n.a.	S 17
M18	12 44 15	12° 3'37	27°33	4°20	23°16	17°20	21°43	27° 9	2° 7	28°21	27°45	0°46	2°10	28°47	n.a.	M18
T 19	12 48 12	13° 0'54	10♌22	3°54	23°52	17°58	21°46	27° 9	2°10	28°20	27°45	0°42	2° 7	28°53	n.a.	T 19
W20	12 52 8	13°58'10	22°56	3°31	24°27	18°35	21°49	27°10	2°14	28°19	27°45	0°37	2° 4	29° 0	n.a.	W20
T 21	12 56 5	14°55'24	5♍18	3°11	25° 0	19°13	21°52	27°10	2°17	28°18	27°45	0°31	2° 1	29° 7	n.a.	T 21
F 22	13 0 1	15°52'38	17°30	2°55	25°32	19°50	21°56	27°11	2°20	28°17	27°45	0°23	1°58	29°13	n.a.	F 22
S 23	13 3 58	16°49'50	29°33	2°43	26° 3	20°27	21°59	27°12	2°24	28°16	27°45	0°15	1°54	29°20	n.a.	S 23
S 24	13 7 54	17°47'02	11♎30	2°36	26°32	21° 5	22° 3	27°13	2°27	28°15	27°44	0° 7	1°51	29°27	n.a.	S 24
M25	13 11 51	18°44'12	23°22	2°D32	26°59	21°42	22° 7	27°14	2°31	28°14	27°44	0° 1	1°48	29°33	n.a.	M25
T 26	13 15 47	19°41'22	5♏11	2°33	27°25	22°20	22°11	27°15	2°34	28°13	27°44	29♏56	1°45	29°40	n.a.	T 26
W27	13 19 44	20°38'32	17° 0	2°39	27°50	22°57	22°15	27°16	2°37	28°12	27°43	29°54	1°42	29°47	n.a.	W27
T 28	13 23 40	21°35'40	28°50	2°49	28°12	23°35	22°19	27°17	2°41	28°12	27°43	29°D53	1°38	29°53	n.a.	T 28
F 29	13 27 37	22°32'49	10♐45	3° 3	28°33	24°13	22°24	27°19	2°44	28°11	27°43	29°53	1°35	0♏ 0	n.a.	F 29
S 30	13 31 34	23♈29'57	22♐49	3♈23	28♉52	24♉50	22♋28	27♋20	2♈47	28♏10	27♐42	29♏55	1♐32	0♏ 7	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s43	20s55	0n 2	6n50	2n30	18n53	3n50	14n50	0n52	23n33	1n25	22n52	1n49	0s 6	0s37	13n51	1n50	31s21	7s29	20s53	21s10	13s23		n.a.
S 2	1 19	21 49	1 5	6 42	2 21	19 12	3 53	15 3	0 53	23 33	1 25	22 52	1 49	0 5	0 37	13 52	1 50	31 21	7 29	20 53	21 9	13 25		n.a.
S 3	0 56	21 43	2 7	6 30	2 11	19 31	3 55	15 15	0 53	23 33	1 24	22 53	1 49	0 3	0 37	13 52	1 50	31 22	7 29	20 53	21 9	13 26		n.a.
M 4	0 33	20 31	3 5	6 16	2 0	19 49	3 57	15 28	0 53	23 32	1 24	22 53	1 48	0 2	0 37	13 53	1 50	31 22	7 30	20 53	21 8	13 28		n.a.
T 5	0 9	18 14	3 55	5 59	1 48	20 6	4 0	15 41	0 54	23 32	1 24	22 53	1 48	0 1	0 37	13 53	1 50	31 22	7 30	20 52	21 7	13 30		n.a.
W 6	0n14	14 55	4 34	5 40	1 35	20 23	4 2	15 53	0 54	23 32	1 24	22 53	1 48	0n 1	0 37	13 54	1 50	31 22	7 30	20 51	21 7	13 32		n.a.
T 7	0 37	10 41	4 58	5 18	1 21	20 39	4 3	16 6	0 54	23 32	1 24	22 53	1 48	0 2	0 37	13 54	1 50	31 23	7 31	20 50	21 6	13 34		n.a.
F 8	1 1	5 43	5 5	4 54	1 6	20 55	4 5	16 18	0 55	23 31	1 23	22 53	1 48	0 4	0 37	13 55	1 50	31 23	7 31	20 48	21 5	13 35		n.a.
S 9	1 24	0 18	4 52	4 29	0 50	21 10	4 7	16 30	0 55	23 31	1 23	22 53	1 48	0 5	0 37	13 55	1 50	31 23	7 31	20 46	21 5	13 37		n.a.
S 10	1 47	5n14	4 19	4 1	0 34	21 25	4 8	16 42	0 55	23 31	1 23	22 53	1 48	0 6	0 37	13 56	1 50	31 23	7 31	20 45	21 4	13 39		n.a.
M11	2 10	10 30	3 27	3 33	0 18	21 39	4 9	16 54	0 56	23 30	1 23	22 53	1 48	0 8	0 37	13 56	1 50	31 24	7 32	20 43	21 4	13 41		n.a.
T 12	2 33	15 6	2 21	3 4	0 1	21 52	4 10	17 6	0 56	23 30	1 23	22 53	1 48	0 9	0 37	13 56	1 50	31 24	7 32	20 42	21 3	13 43		n.a.
W13	2 57	18 40	1 6	2 35	0s16	22 5	4 11	17 18	0 56	23 29	1 23	22 53	1 48	0 11	0 37	13 57	1 50	31 24	7 32	20 42	21 2	13 44		n.a.
T 14	3 20	20 57	0s12	2 6	0 33	22 17	4 12	17 29	0 57	23 29	1 22	22 53	1 47	0 12	0 37	13 57	1 50	31 25	7 32	20 41	21 2	13 46		n.a.
F 15	3 43	21 49	1 27	1 37	0 50	22 29	4 12	17 41	0 57	23 28	1 22	22 53	1 47	0 13	0 37	13 58	1 50	31 25	7 33	20 42	21 1	13 48		n.a.
S 16	4 6	21 18	2 35	1 9	1 6	22 40	4 12	17 52	0 57	23 28	1 22	22 52	1 47	0 15	0 37	13 58	1 50	31 25	7 33	20 42	21 0	13 50		n.a.
S 17	4 28	19 33	3 33	0 42	1 22	22 50	4 12	18 4	0 57	23 27	1 22	22 52	1 47	0 16	0 37	13 58	1 50	31 25	7 33	20 42	21 0	13 51		n.a.
M18	4 51	16 49	4 18	0 16	1 38	23 0	4 12	18 15	0 58	23 27	1 22	22 52	1 47	0 18	0 37	13 59	1 50	31 26	7 34	20 42	20 59	13 53		n.a.
T 19	5 14	13 20	4 49	0s 8	1 52	23 9	4 12	18 26	0 58	23 26	1 22	22 52	1 47	0 19	0 37	13 59	1 50	31 26	7 34	20 41	20 58	13 55		n.a.
W20	5 37	9 19	5 5	0 30	2 6	23 17	4 11	18 37	0 58	23 25	1 21	22 52	1 47	0 20	0 37	13 59	1 50	31 26	7 34	20 40	20 58	13 57		n.a.
T 21	5 59	4 59	5 7	0 50	2 19	23 24	4 10	18 47	0 59	23 25	1 21	22 52	1 47	0 22	0 37	14 0	1 49	31 26	7 34	20 38	20 57	13 58		n.a.
F 22	6 22	0 31	4 55	1 7	2 31	23 31	4 9	18 58	0 59	23 24	1 21	22 51	1 47	0 23	0 37	14 0	1 49	31 27	7 35	20 37	20 57	14 0		n.a.
S 23	6 44	3s55	4 29	1 22	2 42	23 37	4 7	19 9	0 59	23 23	1 21	22 51	1 46	0 25	0 37	14 0	1 49	31 27	7 35	20 35	20 56	14 2		n.a.
S 24	7 6	8 11	3 52	1 34	2 52	23 43	4 5	19 19	0 59	23 22	1 21	22 51	1 46	0 26	0 37	14 1	1 49	31 27	7 35	20 33	20 55	14 4		n.a.
M25	7 28	12 6	3 5	1 44	3 1	23 48	4 3	19 29	1 0	23 21	1 20	22 50	1 46	0 27	0 37	14 1	1 49	31 27	7 35	20 32	20 55	14 5		n.a.
T 26	7 51	15 32	2 10	1 50	3 9	23 51	4 1	19 40	1 0	23 21	1 20	22 50	1 46	0 29	0 37	14 1	1 49	31 28	7 36	20 31	20 54	14 7		n.a.
W27	8 12	18 20	1 10	1 54	3 15	23 55	3 58	19 50	1 0	23 20	1 20	22 50	1 46	0 30	0 37	14 1	1 49	31 28	7 36	20 30	20 53	14 9		n.a.
T 28	8 34	20 22	0 6	1 55	3 21	23 57	3 55	20 0	1 0	23 19	1 20	22 49	1 46	0 31	0 37	14 2	1 49	31 28	7 36	20 30	20 53	14 10		n.a.
F 29	8 56	21 30	0n59	1 53	3 25	23 59	3 52	20 9	1 1	23 18	1 20	22 49	1 46	0 33	0 37	14 2	1 49	31 28	7 36	20 30	20 52	14 12		n.a.
S 30	9n18	21s40	2n 2	1s49	3s29	23n59	3n48	20n19	1n 1	23n17	1n20	22n49	1n46	0n34	0s37	14n 2	1n49	31s29	7s37	20s31	20s51	14s14		n.a.

Julian Day Number = 1110084.5, Delta T = 10h53m22s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'41, Lahiri = -27°02'41 Julian Calendar 1 Apr. 1674 BCE == Greg. Calendar 18 March 1674 BCE

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

MAY 1674 BCE (-1673) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 35 30	24♈27'04	5♉ 5	3♈46	29♉ 9	25♉28	22♋33	27♋22	2♈51	28°R 9	27°R42	29♏56	1♐29	0♏13	n.a.	S 1
M 2	13 39 27	25°24'11	17°38	4°14	29°25	26° 5	22°38	27°24	2°54	28♌ 9	27♐41	29°57	1°26	0°20	n.a.	M 2
T 3	13 43 23	26°21'18	0♒33	4°46	29°38	26°43	22°43	27°25	2°57	28° 8	27°41	29°R58	1°23	0°27	n.a.	T 3
W 4	13 47 20	27°18'25	13°53	5°23	29°49	27°20	22°49	27°27	3° 0	28° 7	27°40	29°56	1°19	0°33	n.a.	W 4
T 5	13 51 16	28°15'31	27°40	6° 4	29°58	27°58	22°54	27°29	3° 4	28° 7	27°40	29°54	1°16	0°40	n.a.	T 5
F 6	13 55 13	29°12'37	11♓55	6°49	0♊ 5	28°35	23° 0	27°31	3° 7	28° 6	27°39	29°51	1°13	0°47	n.a.	F 6
S 7	13 59 10	0♉ 9'43	26°35	7°38	0°10	29°13	23° 5	27°33	3°10	28° 5	27°39	29°46	1°10	0°53	n.a.	S 7
S 8	14 3 6	1° 6'49	11♈34	8°31	0°13	29°50	23°11	27°36	3°13	28° 5	27°38	29°43	1° 7	1° 0	n.a.	S 8
M 9	14 7 3	2° 3'55	26°45	9°28	0°R13	0♊28	23°17	27°38	3°16	28° 4	27°37	29°39	1° 3	1° 7	n.a.	M 9
T 10	14 10 59	3° 1'00	11♉58	10°28	0°11	1° 6	23°23	27°40	3°19	28° 4	27°37	29°37	1° 0	1°13	n.a.	T 10
W11	14 14 56	3°58'05	27° 2	11°33	0° 7	1°43	23°30	27°43	3°23	28° 3	27°36	29°D36	0°57	1°20	n.a.	W11
T 12	14 18 52	4°55'10	11♊50	12°41	0° 0	2°21	23°36	27°46	3°26	28° 3	27°35	29°37	0°54	1°27	n.a.	T 12
F 13	14 22 49	5°52'14	26°16	13°53	29♉51	2°58	23°42	27°48	3°29	28° 3	27°35	29°38	0°51	1°33	n.a.	F 13
S 14	14 26 45	6°49'18	10♋16	15° 8	29°39	3°36	23°49	27°51	3°32	28° 2	27°34	29°39	0°48	1°40	n.a.	S 14
S 15	14 30 42	7°46'22	23°50	16°27	29°26	4°14	23°56	27°54	3°35	28° 2	27°33	29°40	0°44	1°47	n.a.	S 15
M16	14 34 39	8°43'25	7♌ 0	17°49	29° 9	4°51	24° 3	27°57	3°38	28° 2	27°32	29°R41	0°41	1°53	n.a.	M16
T 17	14 38 35	9°40'28	19°48	19°15	28°51	5°29	24°10	28° 0	3°41	28° 1	27°32	29°41	0°38	2° 0	n.a.	T 17
W18	14 42 32	10°37'30	2♍18	20°45	28°30	6° 6	24°17	28° 3	3°44	28° 1	27°31	29°39	0°35	2° 7	n.a.	W18
T 19	14 46 28	11°34'32	14°33	22°17	28° 7	6°44	24°25	28° 7	3°47	28° 1	27°30	29°37	0°32	2°13	n.a.	T 19
F 20	14 50 25	12°31'34	26°37	23°54	27°42	7°22	24°32	28°10	3°50	28° 1	27°29	29°35	0°29	2°20	n.a.	F 20
S 21	14 54 21	13°28'36	8♎33	25°33	27°15	7°59	24°40	28°13	3°52	28° 0	27°28	29°33	0°25	2°27	n.a.	S 21
S 22	14 58 18	14°25'38	20°24	27°15	26°46	8°37	24°47	28°17	3°55	28° 0	27°27	29°30	0°22	2°33	n.a.	S 22
M23	15 2 15	15°22'40	2♏13	29° 1	26°15	9°15	24°55	28°20	3°58	28° 0	27°26	29°28	0°19	2°40	n.a.	M23
T 24	15 6 11	16°19'42	14° 3	0♉50	25°43	9°52	25° 3	28°24	4° 1	28° 0	27°25	29°27	0°16	2°47	n.a.	T 24
W25	15 10 8	17°16'44	25°54	2°41	25° 9	10°30	25°11	28°28	4° 4	28°D 0	27°24	29°D27	0°13	2°53	n.a.	W25
T 26	15 14 4	18°13'47	7♐50	4°36	24°34	11° 8	25°20	28°32	4° 6	28° 0	27°24	29°27	0° 9	3° 0	n.a.	T 26
F 27	15 18 1	19°10'50	19°53	6°33	23°58	11°45	25°28	28°36	4° 9	28° 0	27°23	29°27	0° 6	3° 7	n.a.	F 27
S 28	15 21 57	20° 7'53	2♑ 5	8°32	23°22	12°23	25°36	28°40	4°12	28° 0	27°22	29°28	0° 3	3°13	n.a.	S 28
S 29	15 25 54	21° 4'57	14°30	10°33	22°45	13° 1	25°45	28°44	4°14	28° 0	27°20	29°29	29♏59	3°20	n.a.	S 29
M30	15 29 50	22° 2'02	27° 9	12°36	22° 8	13°39	25°54	28°48	4°17	28° 1	27°19	29°30	29°57	3°27	n.a.	M30
T 31	15 33 47	22♉59'07	10♒ 6	14♉41	21♉30	14♊16	26♋ 2	28♋52	4♈19	28♌ 1	27♐18	29♏30	29♏54	3♏33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	9n39	20s47	3n 1	1s42	3s31	23n59	3n44	20n28	1n 1	23n16	1n19	22n48	1n46	0n35	0s37	14n 2	1n49	31s29	7s37	20s31	20s51	14s16			n.a.
M 2	10 0	18 52	3 52	1 32	3 32	23 58	3 40	20 38	1 1	23 15	1 19	22 48	1 45	0 37	0 37	14 3	1 49	31 29	7 37	20 31	20 50	14 17			n.a.
T 3	10 21	15 58	4 33	1 19	3 33	23 57	3 35	20 47	1 2	23 14	1 19	22 47	1 45	0 38	0 37	14 3	1 49	31 29	7 37	20 31	20 49	14 19			n.a.
W 4	10 42	12 10	5 1	1 4	3 32	23 54	3 30	20 56	1 2	23 13	1 19	22 47	1 45	0 39	0 37	14 3	1 49	31 30	7 38	20 31	20 49	14 21			n.a.
T 5	11 3	7 37	5 13	0 46	3 31	23 51	3 24	21 5	1 2	23 12	1 19	22 46	1 45	0 41	0 37	14 3	1 49	31 30	7 38	20 31	20 48	14 22			n.a.
F 6	11 24	2 31	5 6	0 26	3 29	23 46	3 18	21 14	1 2	23 11	1 19	22 46	1 45	0 42	0 37	14 3	1 49	31 30	7 38	20 30	20 47	14 24			n.a.
S 7	11 44	2n53	4 40	0 3	3 26	23 41	3 12	21 23	1 3	23 10	1 18	22 45	1 45	0 43	0 37	14 3	1 49	31 30	7 38	20 29	20 47	14 26			n.a.
S 8	12 5	8 14	3 54	0n21	3 22	23 35	3 5	21 31	1 3	23 8	1 18	22 45	1 45	0 44	0 37	14 4	1 49	31 31	7 39	20 28	20 46	14 27			n.a.
M 9	12 25	13 9	2 51	0 48	3 17	23 28	2 57	21 39	1 3	23 7	1 18	22 44	1 45	0 46	0 37	14 4	1 49	31 31	7 39	20 27	20 45	14 29			n.a.
T 10	12 45	17 13	1 36	1 17	3 12	23 20	2 49	21 48	1 3	23 6	1 18	22 43	1 45	0 47	0 37	14 4	1 49	31 31	7 39	20 27	20 45	14 31			n.a.
W11	13 5	20 6	0 14	1 49	3 6	23 11	2 41	21 56	1 3	23 5	1 18	22 43	1 44	0 48	0 37	14 4	1 49	31 31	7 39	20 27	20 44	14 32			n.a.
T 12	13 24	21 32	1s 7	2 22	2 59	23 1	2 32	22 4	1 4	23 3	1 18	22 42	1 44	0 49	0 37	14 4	1 49	31 32	7 40	20 27	20 43	14 34			n.a.
F 13	13 44	21 28	2 22	2 57	2 52	22 50	2 23	22 11	1 4	23 2	1 17	22 41	1 44	0 51	0 37	14 4	1 49	31 32	7 40	20 27	20 43	14 36			n.a.
S 14	14 3	20 4	3 26	3 34	2 44	22 38	2 13	22 19	1 4	23 1	1 17	22 41	1 44	0 52	0 37	14 4	1 48	31 32	7 40	20 27	20 42	14 37			n.a.
S 15	14 22	17 32	4 16	4 12	2 35	22 25	2 3	22 26	1 4	22 59	1 17	22 40	1 44	0 53	0 37	14 4	1 48	31 32	7 40	20 28	20 41	14 39			n.a.
M16	14 40	14 10	4 51	4 53	2 26	22 11	1 53	22 34	1 4	22 58	1 17	22 39	1 44	0 54	0 37	14 4	1 48	31 32	7 41	20 28	20 41	14 41			n.a.
T 17	14 59	10 14	5 11	5 34	2 17	21 56	1 42	22 41	1 5	22 57	1 17	22 39	1 44	0 56	0 37	14 4	1 48	31 33	7 41	20 28	20 40	14 42			n.a.
W18	15 17	5 57	5 15	6 18	2 7	21 40	1 30	22 48	1 5	22 55	1 17	22 38	1 44	0 57	0 37	14 4	1 48	31 33	7 41	20 27	20 39	14 44			n.a.
T 19	15 35	1 31	5 5	7 3	1 56	21 23	1 18	22 54	1 5	22 54	1 17	22 37	1 44	0 58	0 37	14 4	1 48	31 33	7 41	20 27	20 39	14 45			n.a.
F 20	15 53	2s55	4 41	7 48	1 46	21 5	1 6	23 1	1 5	22 52	1 16	22 36	1 43	0 59	0 37	14 5	1 48	31 33	7 41	20 26	20 38	14 47			n.a.
S 21	16 11	7 12	4 6	8 36	1 35	20 47	0 53	23 8	1 5	22 51	1 16	22 35	1 43	1 0	0 37	14 5	1 48	31 33	7 42	20 26	20 37	14 49			n.a.
S 22	16 28	11 11	3 20	9 24	1 23	20 27	0 40	23 14	1 6	22 49	1 16	22 35	1 43	1 1	0 37	14 5	1 48	31 34	7 42	20 25	20 37	14 50			n.a.
M23	16 45	14 44	2 25	10 13	1 12	20 7	0 27	23 20	1 6	22 47	1 16	22 34	1 43	1 2	0 37	14 4	1 48	31 34	7 42	20 25	20 36	14 52			n.a.
T 24	17 2	17 41	1 24	11 2	1 0	19 46	0 14	23 26	1 6	22 46	1 16	22 33	1 43	1 4	0 37	14 4	1 48	31 34	7 42	20 25	20 35	14 54			n.a.
W25	17 18	19 55	0 20	11 52	0 49	19 25	0 0	23 32	1 6	22 44	1 16	22 32	1 43	1 5	0 37	14 4	1 48	31 34	7 43	20 25	20 35	14 55			n.a.
T 26	17 35	21 16	0n46	12 43	0 37	19 3	0s14	23 37	1 6	22 43	1 16	22 31	1 43	1 6	0 37	14 4	1 48	31 34	7 43	20 25	20 34	14 57			n.a.
F 27	17 51	21 39	1 51	13 33	0 25	18 40	0 28	23 43	1 6	22 41	1 15	22 30	1 43	1 7	0 37	14 4	1 48	31 35	7 43	20 25	20 33	14 58			n.a.
S 28	18 6	21 1	2 51	14 24	0 14	18 17	0 42	23 48	1 7	22 39	1 15	22 29	1 43	1 8	0 37	14 4	1 48	31 35	7 43	20 25	20 32	15 0			n.a.
S 29	18 22	19 21	3 45	15 14	0 2	17 54	0 56	23 53	1 7	22 37	1 15	22 28	1 43	1 9	0 37	14 4	1 48	31 35	7 43	20 25	20 32	15 2			n.a.
M30	18 37	16 44	4 29	16 3	0n 9	17 31	1 10	23 58	1 7	22 36	1 15	22 27	1 43	1 10	0 37	14 4	1 48	31 35	7 44	20 25	20 31	15 3			n.a.
T 31	18n52	13s14	5n 0	16n51	0n20	17n 8	1s23	24n 3	1n 7	22n34	1n15	22n26	1n42	1n11	0s37	14n 4	1n48	31s35	7s44	20s25	20s30	15s 5			n.a.

Julian Day Number = 1110114.5, Delta T = 10h53m20s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'37, Lahiri = -27°02'37 Julian Calendar 1 May 1674 BCE == Greg. Calendar 17 Apr. 1674 BCE

The year -1673 astronomical counting style corresponds to year 1674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

JUNE 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 37 44	23♉56'13	23♒24	16♉47	20°R53	14♊54	26♋11	28♋56	4♈22	28♌ 1	27°R17	29°R30	29♏50	3♏40	n.a.	W 1
T 2	15 41 40	24°53'20	7♓ 4	18°55	20♉16	15°32	26°20	29° 1	4°25	28° 1	27♐16	29♏30	29°47	3°47	n.a.	T 2
F 3	15 45 37	25°50'27	21° 8	21° 2	19°40	16°10	26°29	29° 5	4°27	28° 1	27°15	29°30	29°44	3°53	n.a.	F 3
S 4	15 49 33	26°47'36	5♈34	23°11	19° 5	16°48	26°38	29°10	4°29	28° 2	27°14	29°30	29°41	4° 0	n.a.	S 4
S 5	15 53 30	27°44'45	20°19	25°19	18°31	17°25	26°48	29°14	4°32	28° 2	27°13	29°30	29°38	4° 7	n.a.	S 5
M 6	15 57 26	28°41'55	5♉17	27°27	17°59	18° 3	26°57	29°19	4°34	28° 2	27°12	29°29	29°35	4°13	n.a.	M 6
T 7	16 1 23	29°39'06	20°21	29°35	17°27	18°41	27° 7	29°24	4°36	28° 3	27°11	29°D29	29°31	4°20	n.a.	T 7
W 8	16 5 20	0♊36'18	5♊22	1♊43	16°58	19°19	27°16	29°29	4°39	28° 3	27° 9	29°R29	29°28	4°27	n.a.	W 8
T 9	16 9 16	1°33'30	20°11	3°49	16°30	19°57	27°26	29°34	4°41	28° 4	27° 8	29°29	29°25	4°33	n.a.	T 9
F 10	16 13 13	2°30'43	4♋42	5°55	16° 4	20°35	27°36	29°39	4°43	28° 4	27° 7	29°29	29°22	4°40	n.a.	F 10
S 11	16 17 9	3°27'57	18°49	7°59	15°40	21°13	27°45	29°44	4°45	28° 5	27° 6	29°29	29°19	4°47	n.a.	S 11
S 12	16 21 6	4°25'11	2♌31	10° 2	15°19	21°50	27°55	29°49	4°48	28° 5	27° 5	29°28	29°15	4°53	n.a.	S 12
M13	16 25 2	5°22'26	15°46	12° 4	14°59	22°28	28° 5	29°54	4°50	28° 6	27° 3	29°28	29°12	5° 0	n.a.	M13
T 14	16 28 59	6°19'42	28°38	14° 4	14°42	23° 6	28°16	29°59	4°52	28° 7	27° 2	29°27	29° 9	5° 7	n.a.	T 14
W15	16 32 56	7°16'58	11♍ 8	16° 3	14°27	23°44	28°26	0♌ 4	4°54	28° 7	27° 1	29°D27	29° 6	5°13	n.a.	W15
T 16	16 36 52	8°14'14	23°22	18° 0	14°15	24°22	28°36	0°10	4°56	28° 8	27° 0	29°28	29° 3	5°20	n.a.	T 16
F 17	16 40 49	9°11'32	5♎23	19°56	14° 4	25° 0	28°47	0°15	4°58	28° 9	26°58	29°28	29° 0	5°27	n.a.	F 17
S 18	16 44 45	10° 8'50	17°16	21°50	13°57	25°38	28°57	0°21	5° 0	28° 9	26°57	29°29	28°56	5°33	n.a.	S 18
S 19	16 48 42	11° 6'09	29° 5	23°42	13°51	26°16	29° 8	0°26	5° 1	28°10	26°56	29°30	28°53	5°40	n.a.	S 19
M20	16 52 38	12° 3'29	10♏54	25°33	13°48	26°54	29°18	0°32	5° 3	28°11	26°54	29°31	28°50	5°47	n.a.	M20
T 21	16 56 35	13° 0'50	22°46	27°22	13°D47	27°32	29°29	0°37	5° 5	28°12	26°53	29°32	28°47	5°53	n.a.	T 21
W22	17 0 31	13°58'12	4♐43	29° 9	13°49	28°10	29°40	0°43	5° 7	28°13	26°52	29°R32	28°44	6° 0	n.a.	W22
T 23	17 4 28	14°55'36	16°49	0♋55	13°53	28°48	29°51	0°49	5° 8	28°14	26°51	29°31	28°41	6° 6	n.a.	T 23
F 24	17 8 25	15°53'00	29° 5	2°40	13°59	29°26	0♌ 2	0°55	5°10	28°14	26°49	29°30	28°37	6°13	n.a.	F 24
S 25	17 12 21	16°50'26	11♑32	4°23	14° 7	0♋ 4	0°13	1° 1	5°12	28°15	26°48	29°28	28°34	6°20	n.a.	S 25
S 26	17 16 18	17°47'53	24°12	6° 4	14°18	0°43	0°24	1° 7	5°13	28°16	26°47	29°25	28°31	6°26	n.a.	S 26
M27	17 20 14	18°45'22	7♒ 5	7°43	14°30	1°21	0°35	1°13	5°15	28°17	26°45	29°23	28°28	6°33	n.a.	M27
T 28	17 24 11	19°42'52	20°13	9°21	14°45	1°59	0°46	1°19	5°16	28°19	26°44	29°20	28°25	6°40	n.a.	T 28
W29	17 28 7	20°40'24	3♓37	10°58	15° 1	2°37	0°57	1°25	5°17	28°20	26°43	29°18	28°21	6°46	n.a.	W29
T 30	17 32 4	21♊37'57	17♓17	12♋33	15♉20	3♋15	1♌ 9	1♌31	5♈19	28♌21	26♐41	29°D18	28♏18	6♏53	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19n 6	9s 0	5n16	17n39	0n30	16n45	1s37	24n 8	1n 7	22n32	1n15	22n25	1n42	1n12	0s37	14n 4	1n48	31s35	7s44	20s25	20s30	15s 6		n.a.
T 2	19 21	4 13	5 15	18 24	0 40	16 22	1 51	24 12	1 7	22 30	1 15	22 24	1 42	1 13	0 37	14 4	1 47	31 36	7 44	20 25	20 29	15 8		n.a.
F 3	19 35	0n56	4 55	19 9	0 49	16 0	2 4	24 16	1 7	22 28	1 15	22 23	1 42	1 14	0 37	14 4	1 47	31 36	7 44	20 25	20 28	15 9		n.a.
S 4	19 48	6 10	4 17	19 51	0 58	15 38	2 17	24 20	1 8	22 26	1 14	22 22	1 42	1 15	0 37	14 3	1 47	31 36	7 44	20 25	20 28	15 11		n.a.
S 5	20 2	11 10	3 21	20 31	1 6	15 17	2 29	24 24	1 8	22 24	1 14	22 21	1 42	1 16	0 37	14 3	1 47	31 36	7 45	20 25	20 27	15 13		n.a.
M 6	20 15	15 34	2 11	21 9	1 14	14 56	2 41	24 28	1 8	22 22	1 14	22 20	1 42	1 17	0 37	14 3	1 47	31 36	7 45	20 25	20 26	15 14		n.a.
T 7	20 27	18 59	0 51	21 45	1 21	14 36	2 53	24 31	1 8	22 20	1 14	22 19	1 42	1 18	0 37	14 3	1 47	31 36	7 45	20 25	20 26	15 16		n.a.
W 8	20 40	21 4	0s33	22 19	1 27	14 17	3 4	24 35	1 8	22 18	1 14	22 18	1 42	1 19	0 37	14 3	1 47	31 36	7 45	20 25	20 25	15 17		n.a.
T 9	20 52	21 39	1 53	22 49	1 33	13 59	3 15	24 38	1 8	22 16	1 14	22 17	1 42	1 20	0 37	14 2	1 47	31 37	7 45	20 25	20 24	15 19		n.a.
F 10	21 3	20 45	3 4	23 18	1 37	13 41	3 25	24 41	1 8	22 14	1 14	22 16	1 42	1 20	0 37	14 2	1 47	31 37	7 45	20 25	20 23	15 20		n.a.
S 11	21 14	18 33	4 1	23 43	1 42	13 25	3 35	24 44	1 8	22 12	1 14	22 14	1 42	1 21	0 37	14 2	1 47	31 37	7 46	20 25	20 23	15 22		n.a.
S 12	21 25	15 22	4 43	24 6	1 45	13 10	3 44	24 46	1 8	22 10	1 14	22 13	1 41	1 22	0 37	14 2	1 47	31 37	7 46	20 25	20 22	15 23		n.a.
M13	21 36	11 30	5 9	24 26	1 48	12 56	3 52	24 49	1 9	22 8	1 13	22 12	1 41	1 23	0 37	14 1	1 47	31 37	7 46	20 25	20 21	15 25		n.a.
T 14	21 46	7 13	5 18	24 44	1 50	12 44	4 0	24 51	1 9	22 6	1 13	22 11	1 41	1 24	0 37	14 1	1 47	31 37	7 46	20 25	20 21	15 27		n.a.
W15	21 56	2 44	5 11	24 59	1 51	12 32	4 8	24 53	1 9	22 3	1 13	22 10	1 41	1 25	0 37	14 1	1 47	31 37	7 46	20 25	20 20	15 28		n.a.
T 16	22 5	1s45	4 50	25 12	1 52	12 22	4 15	24 55	1 9	22 1	1 13	22 8	1 41	1 25	0 38	14 1	1 47	31 37	7 46	20 25	20 19	15 30		n.a.
F 17	22 15	6 6	4 17	25 22	1 52	12 12	4 21	24 56	1 9	21 59	1 13	22 7	1 41	1 26	0 38	14 0	1 47	31 37	7 46	20 25	20 19	15 31		n.a.
S 18	22 23	10 11	3 34	25 30	1 52	12 4	4 27	24 58	1 9	21 57	1 13	22 6	1 41	1 27	0 38	14 0	1 47	31 38	7 47	20 25	20 18	15 33		n.a.
S 19	22 32	13 51	2 41	25 35	1 51	11 58	4 33	24 59	1 9	21 54	1 13	22 5	1 41	1 28	0 38	14 0	1 47	31 38	7 47	20 25	20 17	15 34		n.a.
M20	22 40	16 59	1 42	25 38	1 49	11 52	4 38	25 0	1 9	21 52	1 13	22 3	1 41	1 28	0 38	13 59	1 47	31 38	7 47	20 26	20 16	15 36		n.a.
T 21	22 47	19 25	0 37	25 39	1 47	11 48	4 42	25 1	1 9	21 49	1 13	22 2	1 41	1 29	0 38	13 59	1 47	31 38	7 47	20 26	20 16	15 37		n.a.
W22	22 54	21 1	0n29	25 38	1 45	11 44	4 46	25 2	1 9	21 47	1 13	22 1	1 41	1 30	0 38	13 59	1 46	31 38	7 47	20 26	20 15	15 39		n.a.
T 23	23 1	21 39	1 34	25 35	1 42	11 42	4 50	25 2	1 9	21 45	1 13	21 59	1 41	1 30	0 38	13 58	1 46	31 38	7 47	20 26	20 14	15 40		n.a.
F 24	23 7	21 17	2 36	25 30	1 38	11 41	4 53	25 3	1 10	21 42	1 12	21 58	1 41	1 31	0 38	13 58	1 46	31 38	7 47	20 25	20 14	15 42		n.a.
S 25	23 13	19 52	3 32	25 23	1 34	11 41	4 55	25 3	1 10	21 40	1 12	21 57	1 41	1 32	0 38	13 57	1 46	31 38	7 47	20 25	20 13	15 43		n.a.
S 26	23 19	17 27	4 18	25 14	1 30	11 42	4 58	25 3	1 10	21 37	1 12	21 55	1 41	1 32	0 38	13 57	1 46	31 38	7 48	20 24	20 12	15 45		n.a.
M27	23 24	14 9	4 52	25 4	1 25	11 44	4 59	25 3	1 10	21 35	1 12	21 54	1 41	1 33	0 38	13 57	1 46	31 38	7 48	20 24	20 11	15 46		n.a.
T 28	23 29	10 6	5 11	24 52	1 20	11 46	5 1	25 2	1 10	21 32	1 12	21 52	1 41	1 33	0 38	13 56	1 46	31 38	7 48	20 23	20 11	15 48		n.a.
W29	23 33	5 30	5 14	24 39	1 14	11 50	5 2	25 2	1 10	21 29	1 12	21 51	1 40	1 34	0 38	13 56	1 46	31 38	7 48	20 23	20 10	15 49		n.a.
T 30	23n37	0s32	5n 0	24n25	1n 8	11n55	5s 3	25n 1	1n10	21n27	1n12	21n50	1n40	1n34	0s38	13n55	1n46	31s38	7s48	20s23	20s 9	15s50		n.a.

Julian Day Number = 1110145.5, Delta T = 10h53m18s
Ecliptic obliquity = 23°53'18, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'33, Lahiri = -27°02'33 Julian Calendar 1 June 1674 BCE == Greg. Calendar 18 May 1674 BCE

The year -1673 astronomical counting style corresponds to year 1674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

JULY 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 36 0	22♊35'32	1♈12	14♋ 6	15♉40	3♋53	1♌20	1♌37	5♈20	28♌22	26°R40	29♏18	28♏15	7♏ 0	n.a.	F 1
S 2	17 39 57	23°33'08	15°24	15°38	16° 2	4°32	1°32	1°43	5°21	28°23	26♐38	29°19	28°12	7° 6	n.a.	S 2
S 3	17 43 54	24°30'47	29°50	17° 8	16°26	5°10	1°43	1°49	5°23	28°24	26°37	29°20	28° 9	7°13	n.a.	S 3
M 4	17 47 50	25°28'27	14♉26	18°36	16°51	5°48	1°55	1°56	5°24	28°25	26°36	29°21	28° 6	7°20	n.a.	M 4
T 5	17 51 47	26°26'09	29° 9	20° 3	17°18	6°26	2° 7	2° 2	5°25	28°27	26°34	29°R22	28° 2	7°26	n.a.	T 5
W 6	17 55 43	27°23'53	13♊53	21°29	17°47	7° 5	2°18	2° 9	5°26	28°28	26°33	29°21	27°59	7°33	n.a.	W 6
T 7	17 59 40	28°21'39	28°30	22°53	18°17	7°43	2°30	2°15	5°27	28°29	26°32	29°19	27°56	7°40	n.a.	T 7
F 8	18 3 36	29°19'26	12♋54	24°15	18°49	8°21	2°42	2°21	5°28	28°31	26°30	29°16	27°53	7°46	n.a.	F 8
S 9	18 7 33	0♋17'14	26°59	25°35	19°21	9° 0	2°54	2°28	5°29	28°32	26°29	29°11	27°50	7°53	n.a.	S 9
S 10	18 11 29	1°15'04	10♌41	26°54	19°56	9°38	3° 6	2°35	5°30	28°33	26°28	29° 6	27°47	8° 0	n.a.	S 10
M11	18 15 26	2°12'56	23°59	28°10	20°31	10°17	3°18	2°41	5°31	28°35	26°26	29° 2	27°43	8° 6	n.a.	M11
T 12	18 19 23	3°10'49	6♍53	29°25	21° 8	10°55	3°30	2°48	5°32	28°36	26°25	28°58	27°40	8°13	n.a.	T 12
W13	18 23 19	4° 8'43	19°26	0♌38	21°46	11°33	3°42	2°55	5°32	28°38	26°24	28°55	27°37	8°20	n.a.	W13
T 14	18 27 16	5° 6'39	1♎40	1°49	22°25	12°12	3°54	3° 1	5°33	28°39	26°22	28°D54	27°34	8°26	n.a.	T 14
F 15	18 31 12	6° 4'36	13°41	2°58	23° 5	12°50	4° 6	3° 8	5°34	28°41	26°21	28°54	27°31	8°33	n.a.	F 15
S 16	18 35 9	7° 2'35	25°33	4° 4	23°46	13°29	4°19	3°15	5°34	28°42	26°20	28°56	27°27	8°40	n.a.	S 16
S 17	18 39 5	8° 0'35	7♏22	5° 9	24°29	14° 7	4°31	3°22	5°35	28°44	26°18	28°57	27°24	8°46	n.a.	S 17
M18	18 43 2	8°58'37	19°12	6°11	25°12	14°46	4°43	3°28	5°35	28°45	26°17	28°59	27°21	8°53	n.a.	M18
T 19	18 46 58	9°56'40	1♐ 8	7°10	25°56	15°25	4°56	3°35	5°36	28°47	26°16	28°R59	27°18	9° 0	n.a.	T 19
W20	18 50 55	10°54'46	13°13	8° 7	26°41	16° 3	5° 8	3°42	5°36	28°48	26°14	28°58	27°15	9° 6	n.a.	W20
T 21	18 54 52	11°52'53	25°30	9° 1	27°27	16°42	5°21	3°49	5°36	28°50	26°13	28°55	27°12	9°13	n.a.	T 21
F 22	18 58 48	12°51'02	8♑ 1	9°51	28°14	17°20	5°33	3°56	5°37	28°52	26°12	28°50	27° 8	9°20	n.a.	F 22
S 23	19 2 45	13°49'13	20°48	10°39	29° 2	17°59	5°46	4° 3	5°37	28°53	26°11	28°43	27° 5	9°26	n.a.	S 23
S 24	19 6 41	14°47'25	3♒49	11°23	29°50	18°38	5°58	4°10	5°37	28°55	26° 9	28°36	27° 2	9°33	n.a.	S 24
M25	19 10 38	15°45'40	17° 4	12° 3	0♊40	19°16	6°11	4°17	5°37	28°57	26° 8	28°28	26°59	9°39	n.a.	M25
T 26	19 14 34	16°43'57	0♓32	12°40	1°30	19°55	6°23	4°24	5°37	28°59	26° 7	28°20	26°56	9°46	n.a.	T 26
W27	19 18 31	17°42'16	14°11	13°12	2°20	20°34	6°36	4°31	5°R37	29° 0	26° 5	28°14	26°52	9°53	n.a.	W27
T 28	19 22 27	18°40'37	28° 0	13°40	3°12	21°13	6°49	4°38	5°37	29° 2	26° 4	28°10	26°49	9°59	n.a.	T 28
F 29	19 26 24	19°39'00	11♈57	14° 3	4° 4	21°52	7° 2	4°46	5°37	29° 4	26° 3	28° 8	26°46	10° 6	n.a.	F 29
S 30	19 30 21	20°37'26	26° 1	14°21	4°57	22°30	7°14	4°53	5°37	29° 6	26° 2	28°D 8	26°43	10°13	n.a.	S 30
S 31	19 34 17	21♋35'55	10♉12	14♌34	5♊50	23♋ 9	7♌27	5♌ 0	5♈37	29♌ 8	26♐ 1	28♏ 9	26♏40	10♏19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n41	4n34	4n28	24n 9	1n 2	12n 0	5s 3	25n 0	1n10	21n24	1n12	21n48	1n40	1n35	0s38	13n55	1n46	31s39	7s48	20s23	20s 9	15s52		n.a.
S 2	23 44	9 32	3 39	23 52	0 55	12 6	5 4	24 59	1 10	21 22	1 12	21 47	1 40	1 35	0 38	13 55	1 46	31 39	7 48	20 23	20 8	15 53		n.a.
S 3	23 46	14 2	2 35	23 34	0 48	12 13	5 4	24 57	1 10	21 19	1 12	21 45	1 40	1 36	0 38	13 54	1 46	31 39	7 48	20 23	20 7	15 55		n.a.
M 4	23 49	17 46	1 21	23 14	0 41	12 21	5 3	24 56	1 10	21 16	1 12	21 44	1 40	1 36	0 38	13 54	1 46	31 39	7 48	20 23	20 6	15 56		n.a.
T 5	23 50	20 22	0 1	22 54	0 33	12 29	5 3	24 54	1 10	21 13	1 12	21 42	1 40	1 37	0 38	13 53	1 46	31 39	7 48	20 23	20 6	15 58		n.a.
W 6	23 52	21 35	1s19	22 33	0 25	12 38	5 2	24 52	1 10	21 11	1 12	21 41	1 40	1 37	0 38	13 53	1 46	31 39	7 48	20 23	20 5	15 59		n.a.
T 7	23 53	21 20	2 33	22 11	0 17	12 47	5 1	24 50	1 10	21 8	1 12	21 39	1 40	1 37	0 38	13 52	1 46	31 39	7 48	20 23	20 4	16 1		n.a.
F 8	23 53	19 40	3 36	21 49	0 9	12 57	4 59	24 47	1 10	21 5	1 12	21 38	1 40	1 38	0 38	13 52	1 46	31 39	7 48	20 22	20 3	16 2		n.a.
S 9	23 53	16 50	4 25	21 26	0 0	13 8	4 58	24 45	1 10	21 2	1 11	21 36	1 40	1 38	0 38	13 51	1 46	31 39	7 49	20 21	20 3	16 4		n.a.
S 10	23 53	13 8	4 57	21 2	0s 9	13 18	4 56	24 42	1 10	20 59	1 11	21 35	1 40	1 39	0 38	13 51	1 46	31 39	7 49	20 20	20 2	16 5		n.a.
M11	23 52	8 53	5 11	20 38	0 18	13 30	4 54	24 39	1 10	20 56	1 11	21 33	1 40	1 39	0 38	13 50	1 46	31 39	7 49	20 19	20 1	16 6		n.a.
T 12	23 51	4 22	5 9	20 13	0 27	13 42	4 52	24 36	1 10	20 53	1 11	21 31	1 40	1 39	0 38	13 49	1 46	31 39	7 49	20 18	20 1	16 8		n.a.
W13	23 49	0s13	4 53	19 48	0 36	13 54	4 49	24 33	1 10	20 51	1 11	21 30	1 40	1 39	0 38	13 49	1 46	31 39	7 49	20 18	20 0	16 9		n.a.
T 14	23 47	4 41	4 23	19 23	0 46	14 6	4 47	24 29	1 10	20 48	1 11	21 28	1 40	1 40	0 38	13 48	1 45	31 39	7 49	20 17	19 59	16 11		n.a.
F 15	23 45	8 54	3 42	18 58	0 55	14 19	4 44	24 25	1 10	20 45	1 11	21 27	1 40	1 40	0 38	13 48	1 45	31 39	7 49	20 17	19 58	16 12		n.a.
S 16	23 42	12 43	2 52	18 33	1 5	14 32	4 41	24 21	1 10	20 42	1 11	21 25	1 40	1 40	0 38	13 47	1 45	31 39	7 49	20 18	19 58	16 13		n.a.
S 17	23 38	16 2	1 55	18 7	1 15	14 45	4 38	24 17	1 10	20 38	1 11	21 23	1 40	1 40	0 38	13 47	1 45	31 39	7 49	20 18	19 57	16 15		n.a.
M18	23 35	18 42	0 53	17 42	1 25	14 59	4 35	24 13	1 10	20 35	1 11	21 22	1 40	1 40	0 38	13 46	1 45	31 39	7 49	20 18	19 56	16 16		n.a.
T 19	23 30	20 35	0n12	17 17	1 35	15 12	4 32	24 9	1 10	20 32	1 11	21 20	1 40	1 41	0 38	13 45	1 45	31 39	7 49	20 18	19 55	16 18		n.a.
W20	23 26	21 33	1 17	16 53	1 45	15 26	4 28	24 4	1 10	20 29	1 11	21 18	1 40	1 41	0 38	13 45	1 45	31 39	7 49	20 18	19 55	16 19		n.a.
T 21	23 21	21 30	2 19	16 29	1 56	15 40	4 25	23 59	1 10	20 26	1 11	21 17	1 40	1 41	0 38	13 44	1 45	31 39	7 49	20 18	19 54	16 20		n.a.
F 22	23 15	20 23	3 16	16 6	2 6	15 54	4 21	23 54	1 10	20 23	1 11	21 15	1 40	1 41	0 38	13 44	1 45	31 39	7 49	20 16	19 53	16 22		n.a.
S 23	23 9	18 14	4 3	15 43	2 16	16 8	4 17	23 49	1 10	20 20	1 11	21 13	1 40	1 41	0 38	13 43	1 45	31 39	7 49	20 15	19 52	16 23		n.a.
S 24	23 3	15 8	4 40	15 21	2 26	16 22	4 13	23 44	1 10	20 17	1 11	21 12	1 40	1 41	0 38	13 42	1 45	31 39	7 49	20 13	19 52	16 24		n.a.
M25	22 56	11 13	5 2	15 0	2 36	16 37	4 9	23 38	1 10	20 13	1 11	21 10	1 40	1 41	0 39	13 42	1 45	31 39	7 49	20 11	19 51	16 26		n.a.
T 26	22 49	6 42	5 7	14 41	2 46	16 51	4 5	23 32	1 10	20 10	1 11	21 8	1 40	1 41	0 39	13 41	1 45	31 38	7 49	20 10	19 50	16 27		n.a.
W27	22 41	1 48	4 56	14 22	2 55	17 5	4 1	23 26	1 10	20 7	1 11	21 6	1 40	1 41	0 39	13 40	1 45	31 38	7 49	20 8	19 49	16 29		n.a.
T 28	22 33	3n16	4 27	14 5	3 5	17 19	3 57	23 20	1 10	20 4	1 11	21 5	1 40	1 41	0 39	13 40	1 45	31 38	7 49	20 7	19 49	16 30		n.a.
F 29	22 25	8 13	3 43	13 50	3 14	17 33	3 52	23 14	1 10	20 0	1 11	21 3	1 40	1 41	0 39	13 39	1 45	31 38	7 49	20 7	19 48	16 31		n.a.
S 30	22 16	12 46	2 44	13 37	3 22	17 47	3 48	23 7	1 10	19 57	1 11	21 1	1 40	1 41	0 39	13 38	1 45	31 38	7 49	20 7	19 47	16 33		n.a.
S 31	22n 7	16n39	1n35	13n25	3s30	18n 1	3s44	23n 1	1n10	19n54	1n11	20n59	1n40	1n41	0s39	13n38	1n45	31s38	7s49	20s 7	19s46	16s34		n.a.

Julian Day Number = 1110175.5, Delta T = 10h53m17s
Ecliptic obliquity = 23°53'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'29, Lahiri = -27°02'28 Julian Calendar 1 July 1674 BCE == Greg. Calendar 17 June 1674 BCE

The year -1673 astronomical counting style corresponds to year 1674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

AUGUST 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 38 14	22♋34'25	24♉27	14♌41	6♊44	23♋48	7♌40	5♌ 7	5°R37	29♌10	25°R59	28°R10	26♏37	10♏26	n.a.	M 1
T 2	19 42 10	23°32'58	8♊46	14°R41	7°39	24°27	7°53	5°14	5♈36	29°11	25♐58	28♏ 9	26°33	10°33	n.a.	T 2
W 3	19 46 7	24°31'34	23° 4	14°36	8°34	25° 6	8° 6	5°21	5°36	29°13	25°57	28° 7	26°30	10°39	n.a.	W 3
T 4	19 50 3	25°30'11	7♋18	14°24	9°30	25°45	8°19	5°29	5°36	29°15	25°56	28° 2	26°27	10°46	n.a.	T 4
F 5	19 54 0	26°28'51	21°23	14° 5	10°26	26°24	8°32	5°36	5°35	29°17	25°55	27°55	26°24	10°53	n.a.	F 5
S 6	19 57 56	27°27'33	5♌14	13°39	11°23	27° 3	8°45	5°43	5°35	29°19	25°54	27°45	26°21	10°59	n.a.	S 6
S 7	20 1 53	28°26'17	18°47	13° 6	12°21	27°42	8°58	5°50	5°34	29°21	25°53	27°35	26°18	11° 6	n.a.	S 7
M 8	20 5 49	29°25'03	2♍ 0	12°26	13°18	28°21	9°11	5°58	5°34	29°23	25°51	27°25	26°14	11°13	n.a.	M 8
T 9	20 9 46	0♌23'51	14°51	11°40	14°17	29° 0	9°24	6° 5	5°33	29°25	25°50	27°16	26°11	11°19	n.a.	T 9
W10	20 13 43	1°22'41	27°23	10°48	15°15	29°39	9°37	6°12	5°32	29°27	25°49	27° 8	26° 8	11°26	n.a.	W10
T 11	20 17 39	2°21'33	9♎37	9°51	16°14	0♌18	9°50	6°19	5°32	29°29	25°48	27° 3	26° 5	11°33	n.a.	T 11
F 12	20 21 36	3°20'26	21°38	8°49	17°14	0°58	10° 3	6°27	5°31	29°31	25°47	27° 1	26° 2	11°39	n.a.	F 12
S 13	20 25 32	4°19'22	3♏30	7°45	18°14	1°37	10°16	6°34	5°30	29°33	25°46	27°D 0	25°58	11°46	n.a.	S 13
S 14	20 29 29	5°18'20	15°18	6°39	19°14	2°16	10°29	6°41	5°29	29°35	25°45	27° 0	25°55	11°52	n.a.	S 14
M15	20 33 25	6°17'19	27° 9	5°33	20°15	2°55	10°42	6°49	5°28	29°37	25°44	27°R 1	25°52	11°59	n.a.	M15
T 16	20 37 22	7°16'21	9♐ 6	4°28	21°16	3°35	10°55	6°56	5°27	29°40	25°43	27° 0	25°49	12° 6	n.a.	T 16
W17	20 41 18	8°15'25	21°16	3°27	22°18	4°14	11° 8	7° 3	5°26	29°42	25°42	26°57	25°46	12°12	n.a.	W17
T 18	20 45 15	9°14'30	3♑42	2°31	23°20	4°53	11°21	7°11	5°25	29°44	25°42	26°52	25°43	12°19	n.a.	T 18
F 19	20 49 11	10°13'38	16°27	1°41	24°22	5°33	11°34	7°18	5°24	29°46	25°41	26°45	25°39	12°26	n.a.	F 19
S 20	20 53 8	11°12'48	29°31	0°59	25°25	6°12	11°47	7°25	5°23	29°48	25°40	26°34	25°36	12°32	n.a.	S 20
S 21	20 57 5	12°11'59	12♒55	0°26	26°28	6°51	12° 0	7°32	5°22	29°50	25°39	26°23	25°33	12°39	n.a.	S 21
M22	21 1 1	13°11'13	26°35	0° 3	27°31	7°31	12°13	7°40	5°21	29°52	25°38	26°11	25°30	12°46	n.a.	M22
T 23	21 4 58	14°10'30	10♓30	29♋50	28°34	8°10	12°27	7°47	5°19	29°55	25°37	25°59	25°27	12°52	n.a.	T 23
W24	21 8 54	15° 9'48	24°33	29°D48	29°38	8°50	12°40	7°54	5°18	29°57	25°37	25°50	25°24	12°59	n.a.	W24
T 25	21 12 51	16° 9'09	8♈42	29°56	0♋42	9°29	12°53	8° 1	5°17	29°59	25°36	25°43	25°20	13° 6	n.a.	T 25
F 26	21 16 47	17° 8'32	22°52	0♌15	1°47	10° 9	13° 6	8° 9	5°15	0♍ 1	25°35	25°39	25°17	13°12	n.a.	F 26
S 27	21 20 44	18° 7'58	7♉ 1	0°44	2°52	10°49	13°19	8°16	5°14	0° 3	25°34	25°37	25°14	13°19	n.a.	S 27
S 28	21 24 40	19° 7'27	21° 7	1°22	3°57	11°28	13°32	8°23	5°12	0° 6	25°34	25°37	25°11	13°26	n.a.	S 28
M29	21 28 37	20° 6'58	5♊10	2° 9	5° 2	12° 8	13°45	8°30	5°11	0° 8	25°33	25°37	25° 8	13°32	n.a.	M29
T 30	21 32 33	21° 6'32	19° 9	3° 3	6° 8	12°48	13°58	8°38	5° 9	0°10	25°32	25°35	25° 4	13°39	n.a.	T 30
W31	21 36 30	22♌ 6'08	3♋ 4	4♌ 6	7♋14	13♌27	14♌11	8♌45	5♈ 8	0♍12	25♐32	25♏32	25♏ 1	13♏46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n57	19n34	0n20	13n16	3s38	18n15	3s39	22n54	1n10	19n50	1n11	20n58	1n40	1n41	0s39	13n37	1n45	31s38	7s49	20s 7	19s46	16s35		n.a.
T 2	21 47	21 15	0s57	13 9	3 45	18 28	3 34	22 47	1 10	19 47	1 11	20 56	1 40	1 41	0 39	13 36	1 45	31 38	7 49	20 7	19 45	16 37		n.a.
W 3	21 37	21 33	2 9	13 5	3 51	18 42	3 30	22 40	1 10	19 43	1 11	20 54	1 40	1 40	0 39	13 35	1 45	31 38	7 49	20 7	19 44	16 38		n.a.
T 4	21 26	20 28	3 14	13 4	3 56	18 55	3 25	22 32	1 10	19 40	1 11	20 52	1 40	1 40	0 39	13 35	1 45	31 38	7 49	20 6	19 43	16 39		n.a.
F 5	21 15	18 7	4 5	13 6	4 0	19 8	3 20	22 25	1 10	19 36	1 11	20 51	1 40	1 40	0 39	13 34	1 45	31 38	7 49	20 4	19 43	16 41		n.a.
S 6	21 4	14 46	4 41	13 11	4 2	19 21	3 15	22 17	1 10	19 33	1 11	20 49	1 40	1 40	0 39	13 33	1 45	31 38	7 49	20 2	19 42	16 42		n.a.
S 7	20 52	10 43	5 1	13 19	4 3	19 33	3 11	22 9	1 10	19 30	1 11	20 47	1 40	1 40	0 39	13 33	1 45	31 38	7 49	19 59	19 41	16 43		n.a.
M 8	20 39	6 15	5 3	13 30	4 3	19 45	3 6	22 1	1 10	19 26	1 11	20 45	1 40	1 39	0 39	13 32	1 45	31 38	7 48	19 57	19 40	16 45		n.a.
T 9	20 27	1 37	4 50	13 45	4 1	19 57	3 1	21 53	1 10	19 23	1 11	20 43	1 40	1 39	0 39	13 31	1 45	31 37	7 48	19 55	19 40	16 46		n.a.
W10	20 14	2s57	4 23	14 3	3 57	20 9	2 56	21 44	1 10	19 19	1 11	20 42	1 40	1 39	0 39	13 30	1 45	31 37	7 48	19 53	19 39	16 47		n.a.
T 11	20 0	7 19	3 45	14 25	3 51	20 20	2 51	21 36	1 10	19 15	1 11	20 40	1 41	1 38	0 39	13 30	1 45	31 37	7 48	19 52	19 38	16 48		n.a.
F 12	19 46	11 19	2 57	14 48	3 43	20 31	2 46	21 27	1 10	19 12	1 11	20 38	1 41	1 38	0 39	13 29	1 45	31 37	7 48	19 51	19 37	16 50		n.a.
S 13	19 32	14 49	2 2	15 15	3 33	20 41	2 41	21 18	1 9	19 8	1 11	20 36	1 41	1 38	0 39	13 28	1 45	31 37	7 48	19 51	19 37	16 51		n.a.
S 14	19 18	17 43	1 2	15 43	3 21	20 51	2 36	21 9	1 9	19 5	1 11	20 34	1 41	1 37	0 39	13 27	1 45	31 37	7 48	19 51	19 36	16 52		n.a.
M15	19 3	19 53	0n 1	16 13	3 7	21 1	2 31	21 0	1 9	19 1	1 11	20 32	1 41	1 37	0 39	13 27	1 45	31 37	7 48	19 51	19 35	16 54		n.a.
T 16	18 48	21 11	1 4	16 44	2 51	21 11	2 25	20 50	1 9	18 57	1 11	20 31	1 41	1 37	0 39	13 26	1 45	31 37	7 48	19 51	19 34	16 55		n.a.
W17	18 32	21 31	2 5	17 15	2 34	21 19	2 20	20 41	1 9	18 54	1 11	20 29	1 41	1 36	0 39	13 25	1 45	31 37	7 48	19 51	19 34	16 56		n.a.
T 18	18 17	20 48	3 2	17 46	2 16	21 28	2 15	20 31	1 9	18 50	1 11	20 27	1 41	1 36	0 39	13 24	1 45	31 37	7 48	19 49	19 33	16 57		n.a.
F 19	18 1	19 2	3 51	18 15	1 57	21 36	2 10	20 21	1 9	18 46	1 11	20 25	1 41	1 35	0 39	13 24	1 45	31 36	7 48	19 48	19 32	16 59		n.a.
S 20	17 44	16 15	4 29	18 44	1 37	21 43	2 5	20 11	1 9	18 43	1 11	20 23	1 41	1 35	0 39	13 23	1 45	31 36	7 48	19 45	19 31	17 0		n.a.
S 21	17 27	12 34	4 53	19 10	1 18	21 51	2 0	20 1	1 9	18 39	1 11	20 21	1 41	1 34	0 39	13 22	1 44	31 36	7 48	19 42	19 30	17 1		n.a.
M22	17 10	8 10	5 1	19 34	0 58	21 57	1 55	19 50	1 9	18 35	1 11	20 20	1 41	1 34	0 39	13 21	1 44	31 36	7 47	19 40	19 30	17 2		n.a.
T 23	16 53	3 17	4 52	19 56	0 39	22 3	1 50	19 40	1 9	18 32	1 11	20 18	1 41	1 33	0 39	13 20	1 44	31 36	7 47	19 37	19 29	17 4		n.a.
W24	16 35	1n50	4 25	20 14	0 21	22 9	1 45	19 29	1 8	18 28	1 11	20 16	1 41	1 33	0 39	13 20	1 44	31 36	7 47	19 34	19 28	17 5		n.a.
T 25	16 17	6 53	3 41	20 30	0 3	22 14	1 40	19 18	1 8	18 24	1 11	20 14	1 41	1 32	0 39	13 19	1 44	31 36	7 47	19 33	19 27	17 6		n.a.
F 26	15 59	11 35	2 44	20 42	0n14	22 18	1 35	19 7	1 8	18 20	1 11	20 12	1 42	1 32	0 39	13 18	1 44	31 36	7 47	19 32	19 27	17 7		n.a.
S 27	15 41	15 38	1 37	20 51	0 29	22 22	1 29	18 56	1 8	18 17	1 12	20 10	1 42	1 31	0 39	13 17	1 44	31 35	7 47	19 31	19 26	17 9		n.a.
S 28	15 22	18 45	0 24	20 56	0 43	22 25	1 24	18 45	1 8	18 13	1 12	20 8	1 42	1 30	0 39	13 16	1 44	31 35	7 47	19 31	19 25	17 10		n.a.
M29	15 3	20 44	0s50	20 58	0 56	22 28	1 19	18 34	1 8	18 9	1 12	20 7	1 42	1 30	0 39	13 16	1 44	31 35	7 47	19 31	19 24	17 11		n.a.
T 30	14 44	21 25	2 1	20 56	1 8	22 30	1 14	18 22	1 8	18 5	1 12	20 5	1 42	1 29	0 39	13 15	1 44	31 35	7 47	19 31	19 23	17 12		n.a.
W31	14n24	20n47	3s 4	20n51	1n18	22n32	1s10	18n10	1n 8	18n 1	1n12	20n 3	1n42	1n28	0s39	13n14	1n44	31s35	7s47	19s30	19s23	17s13		n.a.

Julian Day Number = 1110206.5, Delta T = 10h53m15s
Ecliptic obliquity = 23°53'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'25, Lahiri = -27°02'24 Julian Calendar 1 Aug. 1674 BCE == Greg. Calendar 18 July 1674 BCE

The year -1673 astronomical counting style corresponds to year 1674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

SEPTEMBER 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 40 27	23♌ 5'46	16♋51	5♌14	8♋20	14♌ 7	14♌24	8♌52	5°R 6	0♍14	25°R31	25°R25	24♏58	13♏52	n.a.	T 1
F 2	21 44 23	24° 5'27	0♌31	6°29	9°26	14°47	14°37	8°59	5♈ 4	0°17	25♐30	25♏15	24°55	13°59	n.a.	F 2
S 3	21 48 20	25° 5'10	13°59	7°48	10°33	15°27	14°50	9° 6	5° 3	0°19	25°30	25° 3	24°52	14° 5	n.a.	S 3
S 4	21 52 16	26° 4'56	27°14	9°12	11°40	16° 7	15° 3	9°13	5° 1	0°21	25°29	24°50	24°49	14°12	n.a.	S 4
M 5	21 56 13	27° 4'43	10♍13	10°39	12°47	16°46	15°16	9°20	4°59	0°23	25°29	24°37	24°45	14°19	n.a.	M 5
T 6	22 0 9	28° 4'32	22°55	12°10	13°54	17°26	15°29	9°27	4°57	0°26	25°28	24°24	24°42	14°25	n.a.	T 6
W 7	22 4 6	29° 4'24	5♎20	13°43	15° 1	18° 6	15°42	9°34	4°55	0°28	25°28	24°14	24°39	14°32	n.a.	W 7
T 8	22 8 2	0♍ 4'17	17°31	15°18	16° 9	18°46	15°55	9°42	4°53	0°30	25°27	24° 7	24°36	14°39	n.a.	T 8
F 9	22 11 59	1° 4'13	29°30	16°54	17°17	19°26	16° 8	9°48	4°51	0°32	25°27	24° 2	24°33	14°45	n.a.	F 9
S 10	22 15 55	2° 4'10	11♏20	18°33	18°25	20° 6	16°21	9°55	4°49	0°35	25°27	24° 0	24°30	14°52	n.a.	S 10
S 11	22 19 52	3° 4'09	23° 7	20°12	19°34	20°46	16°34	10° 2	4°47	0°37	25°26	24°D 0	24°26	14°59	n.a.	S 11
M12	22 23 49	4° 4'10	4♐56	21°52	20°42	21°26	16°47	10° 9	4°45	0°39	25°26	24°R 0	24°23	15° 5	n.a.	M12
T 13	22 27 45	5° 4'13	16°54	23°32	21°51	22° 7	16°59	10°16	4°43	0°41	25°26	23°59	24°20	15°12	n.a.	T 13
W14	22 31 42	6° 4'18	29° 4	25°13	23° 0	22°47	17°12	10°23	4°41	0°44	25°25	23°57	24°17	15°19	n.a.	W14
T 15	22 35 38	7° 4'24	11♑32	26°54	24° 9	23°27	17°25	10°30	4°39	0°46	25°25	23°53	24°14	15°25	n.a.	T 15
F 16	22 39 35	8° 4'32	24°22	28°35	25°18	24° 7	17°38	10°37	4°37	0°48	25°25	23°46	24°10	15°32	n.a.	F 16
S 17	22 43 31	9° 4'42	7♒37	0♍16	26°27	24°47	17°50	10°43	4°35	0°50	25°25	23°36	24° 7	15°39	n.a.	S 17
S 18	22 47 28	10° 4'54	21°16	1°57	27°37	25°28	18° 3	10°50	4°33	0°52	25°25	23°25	24° 4	15°45	n.a.	S 18
M19	22 51 24	11° 5'07	5♓18	3°37	28°47	26° 8	18°16	10°57	4°30	0°55	25°24	23°13	24° 1	15°52	n.a.	M19
T 20	22 55 21	12° 5'23	19°37	5°18	29°56	26°48	18°28	11° 3	4°28	0°57	25°24	23° 2	23°58	15°58	n.a.	T 20
W21	22 59 18	13° 5'40	4♈ 8	6°58	1♌ 7	27°29	18°41	11°10	4°26	0°59	25°24	22°53	23°55	16° 5	n.a.	W21
T 22	23 3 14	14° 6'00	18°43	8°38	2°17	28° 9	18°53	11°16	4°23	1° 1	25°24	22°46	23°51	16°12	n.a.	T 22
F 23	23 7 11	15° 6'21	3♉16	10°17	3°27	28°50	19° 6	11°23	4°21	1° 4	25°24	22°42	23°48	16°18	n.a.	F 23
S 24	23 11 7	16° 6'45	17°43	11°56	4°38	29°30	19°18	11°29	4°19	1° 6	25°D24	22°D41	23°45	16°25	n.a.	S 24
S 25	23 15 4	17° 7'11	1♊59	13°35	5°48	0♍11	19°30	11°36	4°16	1° 8	25°24	22°41	23°42	16°32	n.a.	S 25
M26	23 19 0	18° 7'39	16° 3	15°13	6°59	0°51	19°43	11°42	4°14	1°10	25°24	22°R41	23°39	16°38	n.a.	M26
T 27	23 22 57	19° 8'09	29°55	16°51	8°10	1°32	19°55	11°48	4°12	1°12	25°24	22°41	23°35	16°45	n.a.	T 27
W28	23 26 53	20° 8'41	13♋34	18°29	9°21	2°12	20° 7	11°55	4° 9	1°14	25°24	22°38	23°32	16°52	n.a.	W28
T 29	23 30 50	21° 9'16	27° 2	20° 6	10°32	2°53	20°19	12° 1	4° 7	1°17	25°24	22°33	23°29	16°58	n.a.	T 29
F 30	23 34 46	22♍ 9'52	10♌18	21♍43	11♌44	3♍34	20♌31	12♌ 7	4♈ 4	1♍19	25♐25	22♏26	23♏26	17♏ 5	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n 4	18n54	3s56	20n43	1n27	22n33	1s 5	17n59	1n 7	17n58	1n12	20n 1	1n42	1n28	0s39	13n13	1n44	31s35	7s46	19s29	19s22	17s15		n.a.
F 2	13 44	15 58	4 33	20 32	1 35	22 33	1 0	17 47	1 7	17 54	1 12	19 59	1 42	1 27	0 39	13 12	1 44	31 35	7 46	19 26	19 21	17 16		n.a.
S 3	13 24	12 14	4 55	20 17	1 41	22 33	0 55	17 34	1 7	17 50	1 12	19 57	1 42	1 26	0 39	13 12	1 44	31 34	7 46	19 23	19 20	17 17		n.a.
S 4	13 4	7 58	5 0	20 0	1 47	22 32	0 50	17 22	1 7	17 46	1 12	19 56	1 42	1 26	0 39	13 11	1 44	31 34	7 46	19 20	19 20	17 18		n.a.
M 5	12 43	3 25	4 49	19 40	1 51	22 31	0 45	17 10	1 7	17 42	1 12	19 54	1 42	1 25	0 39	13 10	1 44	31 34	7 46	19 17	19 19	17 19		n.a.
T 6	12 22	1s10	4 24	19 18	1 54	22 28	0 41	16 57	1 7	17 38	1 12	19 52	1 43	1 24	0 40	13 9	1 44	31 34	7 46	19 14	19 18	17 21		n.a.
W 7	12 1	5 38	3 47	18 53	1 57	22 26	0 36	16 45	1 7	17 35	1 12	19 50	1 43	1 23	0 40	13 8	1 44	31 34	7 46	19 11	19 17	17 22		n.a.
T 8	11 39	9 46	3 0	18 26	1 58	22 22	0 31	16 32	1 6	17 31	1 12	19 48	1 43	1 22	0 40	13 8	1 44	31 34	7 46	19 9	19 16	17 23		n.a.
F 9	11 18	13 28	2 6	17 57	1 59	22 18	0 27	16 19	1 6	17 27	1 12	19 46	1 43	1 22	0 40	13 7	1 44	31 34	7 45	19 8	19 16	17 24		n.a.
S 10	10 56	16 34	1 7	17 26	1 59	22 14	0 22	16 6	1 6	17 23	1 13	19 45	1 43	1 21	0 40	13 6	1 44	31 33	7 45	19 8	19 15	17 25		n.a.
S 11	10 34	18 59	0 5	16 53	1 58	22 8	0 18	15 53	1 6	17 19	1 13	19 43	1 43	1 20	0 40	13 5	1 44	31 33	7 45	19 7	19 14	17 27		n.a.
M12	10 12	20 34	0n58	16 19	1 57	22 3	0 13	15 39	1 6	17 15	1 13	19 41	1 43	1 19	0 40	13 4	1 45	31 33	7 45	19 7	19 13	17 28		n.a.
T 13	9 50	21 16	1 58	15 44	1 55	21 56	0 9	15 26	1 6	17 11	1 13	19 39	1 43	1 18	0 40	13 4	1 45	31 33	7 45	19 7	19 12	17 29		n.a.
W14	9 27	20 58	2 55	15 7	1 53	21 49	0 5	15 12	1 5	17 7	1 13	19 38	1 44	1 18	0 40	13 3	1 45	31 33	7 45	19 7	19 12	17 30		n.a.
T 15	9 5	19 39	3 44	14 29	1 50	21 41	0 0	14 59	1 5	17 4	1 13	19 36	1 44	1 17	0 40	13 2	1 45	31 33	7 45	19 6	19 11	17 31		n.a.
F 16	8 42	17 19	4 24	13 51	1 46	21 32	0n 4	14 45	1 5	17 0	1 13	19 34	1 44	1 16	0 40	13 1	1 45	31 33	7 45	19 4	19 10	17 32		n.a.
S 17	8 19	14 2	4 50	13 11	1 43	21 23	0 8	14 31	1 5	16 56	1 13	19 32	1 44	1 15	0 40	13 0	1 45	31 32	7 44	19 1	19 9	17 33		n.a.
S 18	7 56	9 55	5 2	12 31	1 39	21 14	0 12	14 17	1 5	16 52	1 13	19 30	1 44	1 14	0 40	13 0	1 45	31 32	7 44	18 59	19 8	17 35		n.a.
M19	7 33	5 10	4 55	11 49	1 34	21 3	0 16	14 3	1 4	16 48	1 13	19 29	1 44	1 13	0 40	12 59	1 45	31 32	7 44	18 56	19 8	17 36		n.a.
T 20	7 9	0 3	4 31	11 8	1 30	20 52	0 20	13 49	1 4	16 44	1 14	19 27	1 44	1 12	0 40	12 58	1 45	31 32	7 44	18 53	19 7	17 37		n.a.
W21	6 46	5n 9	3 48	10 25	1 25	20 41	0 24	13 34	1 4	16 40	1 14	19 25	1 45	1 11	0 40	12 57	1 45	31 32	7 44	18 50	19 6	17 38		n.a.
T 22	6 22	10 5	2 50	9 43	1 19	20 28	0 28	13 20	1 4	16 37	1 14	19 24	1 45	1 10	0 40	12 56	1 45	31 32	7 44	18 49	19 5	17 39		n.a.
F 23	5 58	14 25	1 41	8 59	1 14	20 15	0 31	13 5	1 4	16 33	1 14	19 22	1 45	1 9	0 40	12 56	1 45	31 32	7 44	18 48	19 4	17 40		n.a.
S 24	5 35	17 51	0 26	8 16	1 8	20 2	0 35	12 51	1 3	16 29	1 14	19 20	1 45	1 8	0 40	12 55	1 45	31 31	7 43	18 47	19 4	17 41		n.a.
S 25	5 11	20 8	0s49	7 32	1 3	19 48	0 39	12 36	1 3	16 25	1 14	19 19	1 45	1 7	0 40	12 54	1 45	31 31	7 43	18 47	19 3	17 42		n.a.
M26	4 47	21 8	2 1	6 48	0 57	19 33	0 42	12 21	1 3	16 21	1 14	19 17	1 45	1 6	0 40	12 53	1 45	31 31	7 43	18 47	19 2	17 43		n.a.
T 27	4 23	20 48	3 5	6 4	0 51	19 18	0 46	12 6	1 3	16 17	1 14	19 15	1 45	1 6	0 40	12 53	1 45	31 31	7 43	18 47	19 1	17 45		n.a.
W28	3 58	19 15	3 57	5 19	0 45	19 2	0 49	11 51	1 2	16 13	1 15	19 14	1 46	1 5	0 40	12 52	1 45	31 31	7 43	18 47	19 0	17 46		n.a.
T 29	3 34	16 39	4 35	4 35	0 38	18 45	0 52	11 36	1 2	16 10	1 15	19 12	1 46	1 4	0 40	12 51	1 45	31 31	7 43	18 45	19 0	17 47		n.a.
F 30	3n10	13n13	4s58	3n50	0n32	18n28	0n55	11n21	1n 2	16n 6	1n15	19n10	1n46	1n 3	0s40	12n50	1n45	31s31	7s43	18s43	18s59	17s48		n.a.

Julian Day Number = 1110237.5, Delta T = 10h53m13s
Ecliptic obliquity = 23°53'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'21, Lahiri = -27°02'20 Julian Calendar 1 Sept. 1674 BCE == Greg. Calendar 18 Aug. 1674 BCE

The year -1673 astronomical counting style corresponds to year 1674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

OCTOBER 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 38 43	23♍10'30	23♌22	23♍19	12♌55	4♍14	20♌44	12♌13	4°R 2	1♍21	25♐25	22°R16	23♏23	17♏12	n.a.	S 1
S 2	23 42 40	24°11'10	6♍15	24°55	14° 7	4°55	20°56	12°19	3♈59	1°23	25°25	22♏ 5	23°20	17°18	n.a.	S 2
M 3	23 46 36	25°11'51	18°54	26°31	15°19	5°36	21° 7	12°25	3°57	1°25	25°25	21°54	23°16	17°25	n.a.	M 3
T 4	23 50 33	26°12'35	1♎22	28° 7	16°30	6°17	21°19	12°31	3°54	1°27	25°26	21°44	23°13	17°32	n.a.	T 4
W 5	23 54 29	27°13'19	13°36	29°42	17°42	6°58	21°31	12°37	3°52	1°29	25°26	21°36	23°10	17°38	n.a.	W 5
T 6	23 58 26	28°14'06	25°40	1♎17	18°54	7°39	21°43	12°43	3°49	1°31	25°26	21°30	23° 7	17°45	n.a.	T 6
F 7	0 2 22	29°14'53	7♏34	2°52	20° 7	8°19	21°55	12°49	3°47	1°33	25°27	21°26	23° 4	17°51	n.a.	F 7
S 8	0 6 19	0♎15'43	19°23	4°26	21°19	9° 0	22° 6	12°54	3°44	1°35	25°27	21°D25	23° 1	17°58	n.a.	S 8
S 9	0 10 15	1°16'33	1♐ 9	6° 0	22°31	9°41	22°18	13° 0	3°42	1°37	25°27	21°25	22°57	18° 5	n.a.	S 9
M10	0 14 12	2°17'25	12°56	7°34	23°44	10°22	22°29	13° 6	3°39	1°39	25°28	21°27	22°54	18°11	n.a.	M10
T 11	0 18 9	3°18'18	24°51	9° 8	24°56	11° 4	22°41	13°11	3°37	1°41	25°28	21°28	22°51	18°18	n.a.	T 11
W12	0 22 5	4°19'12	6♑59	10°42	26° 9	11°45	22°52	13°17	3°34	1°43	25°29	21°R28	22°48	18°25	n.a.	W12
T 13	0 26 2	5°20'07	19°24	12°15	27°21	12°26	23° 3	13°22	3°32	1°45	25°29	21°27	22°45	18°31	n.a.	T 13
F 14	0 29 58	6°21'03	2♒12	13°48	28°34	13° 7	23°15	13°27	3°29	1°47	25°30	21°24	22°41	18°38	n.a.	F 14
S 15	0 33 55	7°22'00	15°25	15°22	29°47	13°48	23°26	13°33	3°27	1°49	25°30	21°19	22°38	18°45	n.a.	S 15
S 16	0 37 51	8°22'58	29° 7	16°55	1♍ 0	14°29	23°37	13°38	3°24	1°51	25°31	21°13	22°35	18°51	n.a.	S 16
M17	0 41 48	9°23'57	13♓16	18°27	2°13	15°11	23°48	13°43	3°22	1°53	25°32	21° 6	22°32	18°58	n.a.	M17
T 18	0 45 44	10°24'57	27°48	20° 0	3°26	15°52	23°59	13°48	3°19	1°55	25°32	20°59	22°29	19° 5	n.a.	T 18
W19	0 49 41	11°25'58	12♈38	21°33	4°39	16°33	24°10	13°53	3°17	1°57	25°33	20°53	22°26	19°11	n.a.	W19
T 20	0 53 38	12°27'00	27°37	23° 5	5°53	17°14	24°20	13°58	3°14	1°58	25°34	20°49	22°22	19°18	n.a.	T 20
F 21	0 57 34	13°28'04	12♉36	24°38	7° 6	17°56	24°31	14° 3	3°12	2° 0	25°34	20°47	22°19	19°24	n.a.	F 21
S 22	1 1 31	14°29'09	27°27	26°10	8°19	18°37	24°42	14° 8	3° 9	2° 2	25°35	20°D47	22°16	19°31	n.a.	S 22
S 23	1 5 27	15°30'15	12♊ 4	27°42	9°33	19°19	24°52	14°12	3° 7	2° 4	25°36	20°48	22°13	19°38	n.a.	S 23
M24	1 9 24	16°31'22	26°23	29°14	10°47	20° 0	25° 2	14°17	3° 5	2° 5	25°37	20°50	22°10	19°44	n.a.	M24
T 25	1 13 20	17°32'31	10♋21	0♏45	12° 0	20°42	25°13	14°22	3° 2	2° 7	25°38	20°51	22° 6	19°51	n.a.	T 25
W26	1 17 17	18°33'40	24° 0	2°17	13°14	21°23	25°23	14°26	3° 0	2° 9	25°38	20°R51	22° 3	19°58	n.a.	W26
T 27	1 21 13	19°34'51	7♌19	3°48	14°28	22° 5	25°33	14°30	2°57	2°11	25°39	20°50	22° 0	20° 4	n.a.	T 27
F 28	1 25 10	20°36'03	20°21	5°19	15°41	22°47	25°43	14°35	2°55	2°12	25°40	20°47	21°57	20°11	n.a.	F 28
S 29	1 29 7	21°37'16	3♍ 8	6°49	16°55	23°28	25°53	14°39	2°53	2°14	25°41	20°43	21°54	20°18	n.a.	S 29
S 30	1 33 3	22°38'30	15°41	8°19	18° 9	24°10	26° 3	14°43	2°50	2°15	25°42	20°38	21°51	20°24	n.a.	S 30
M31	1 37 0	23♎39'45	28♍ 2	9♏49	19♍23	24♍52	26♌12	14♌47	2♈48	2♍17	25♐43	20♏33	21♏47	20♏31	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n45	9n12	5s 4	3n 6	0n26	18n11	0n58	11n 5	1n 2	16n 2	1n15	19n 9	1n46	1n 2	0s40	12n50	1n45	31s30	7s42	18s41	18s58	17s49		n.a.
S 2	2 21	4 49	4 55	2 21	0 19	17 53	1 1	10 50	1 1	15 58	1 15	19 7	1 46	1 1	0 40	12 49	1 45	31 30	7 42	18 38	18 57	17 50		n.a.
M 3	1 57	0 19	4 32	1 36	0 13	17 34	1 4	10 35	1 1	15 55	1 15	19 6	1 46	1 0	0 40	12 48	1 45	31 30	7 42	18 35	18 56	17 51		n.a.
T 4	1 32	4s 8	3 56	0 52	0 6	17 15	1 7	10 19	1 1	15 51	1 15	19 4	1 47	0 59	0 40	12 47	1 45	31 30	7 42	18 32	18 56	17 52		n.a.
W 5	1 7	8 21	3 9	0 7	0s 0	16 55	1 10	10 3	1 1	15 47	1 16	19 3	1 47	0 58	0 40	12 47	1 45	31 30	7 42	18 30	18 55	17 53		n.a.
T 6	0 43	12 11	2 14	0s37	0 7	16 35	1 13	9 48	1 0	15 43	1 16	19 1	1 47	0 57	0 40	12 46	1 45	31 30	7 42	18 29	18 54	17 54		n.a.
F 7	0 18	15 28	1 14	1 21	0 13	16 14	1 15	9 32	1 0	15 40	1 16	18 59	1 47	0 56	0 40	12 45	1 45	31 30	7 42	18 28	18 53	17 55		n.a.
S 8	0s 6	18 5	0 11	2 5	0 19	15 53	1 18	9 16	1 0	15 36	1 16	18 58	1 47	0 55	0 40	12 44	1 45	31 30	7 41	18 27	18 52	17 56		n.a.
S 9	0 31	19 55	0n52	2 49	0 26	15 31	1 20	9 0	1 0	15 32	1 16	18 57	1 48	0 54	0 40	12 44	1 45	31 29	7 41	18 27	18 51	17 57		n.a.
M10	0 56	20 54	1 54	3 33	0 32	15 9	1 22	8 44	0 59	15 28	1 16	18 55	1 48	0 53	0 40	12 43	1 45	31 29	7 41	18 28	18 51	17 58		n.a.
T 11	1 20	20 56	2 51	4 16	0 39	14 47	1 25	8 28	0 59	15 25	1 16	18 54	1 48	0 51	0 40	12 42	1 45	31 29	7 41	18 28	18 50	18 0		n.a.
W12	1 45	20 1	3 42	5 0	0 45	14 24	1 27	8 11	0 59	15 21	1 17	18 52	1 48	0 50	0 40	12 42	1 45	31 29	7 41	18 28	18 49	18 1		n.a.
T 13	2 9	18 7	4 23	5 43	0 51	14 0	1 29	7 55	0 58	15 18	1 17	18 51	1 48	0 49	0 40	12 41	1 45	31 29	7 41	18 28	18 48	18 2		n.a.
F 14	2 34	15 17	4 53	6 25	0 57	13 36	1 31	7 39	0 58	15 14	1 17	18 49	1 49	0 48	0 40	12 40	1 45	31 29	7 41	18 27	18 47	18 3		n.a.
S 15	2 59	11 36	5 8	7 7	1 3	13 12	1 33	7 22	0 58	15 10	1 17	18 48	1 49	0 47	0 40	12 40	1 45	31 29	7 40	18 26	18 47	18 4		n.a.
S 16	3 23	7 13	5 7	7 49	1 9	12 47	1 34	7 6	0 57	15 7	1 17	18 47	1 49	0 46	0 40	12 39	1 45	31 29	7 40	18 24	18 46	18 5		n.a.
M17	3 48	2 17	4 47	8 31	1 15	12 22	1 36	6 49	0 57	15 3	1 17	18 45	1 49	0 45	0 40	12 38	1 45	31 28	7 40	18 22	18 45	18 6		n.a.
T 18	4 12	2n54	4 9	9 12	1 20	11 57	1 38	6 33	0 57	15 0	1 18	18 44	1 49	0 44	0 40	12 38	1 45	31 28	7 40	18 20	18 44	18 7		n.a.
W19	4 36	8 2	3 13	9 52	1 26	11 31	1 39	6 16	0 56	14 56	1 18	18 43	1 50	0 43	0 40	12 37	1 46	31 28	7 40	18 19	18 43	18 8		n.a.
T 20	5 1	12 43	2 3	10 32	1 31	11 5	1 41	5 59	0 56	14 53	1 18	18 42	1 50	0 42	0 40	12 36	1 46	31 28	7 40	18 18	18 42	18 9		n.a.
F 21	5 25	16 37	0 45	11 12	1 36	10 38	1 42	5 43	0 56	14 49	1 18	18 40	1 50	0 41	0 40	12 36	1 46	31 28	7 40	18 17	18 42	18 10		n.a.
S 22	5 49	19 22	0s36	11 51	1 41	10 11	1 43	5 26	0 55	14 46	1 18	18 39	1 50	0 40	0 40	12 35	1 46	31 28	7 39	18 17	18 41	18 11		n.a.
S 23	6 13	20 47	1 54	12 29	1 46	9 44	1 44	5 9	0 55	14 42	1 19	18 38	1 50	0 40	0 40	12 35	1 46	31 28	7 39	18 17	18 40	18 12		n.a.
M24	6 37	20 48	3 2	13 7	1 50	9 17	1 45	4 52	0 55	14 39	1 19	18 37	1 51	0 39	0 40	12 34	1 46	31 28	7 39	18 18	18 39	18 13		n.a.
T 25	7 1	19 31	3 59	13 44	1 54	8 49	1 46	4 35	0 54	14 36	1 19	18 36	1 51	0 38	0 40	12 33	1 46	31 28	7 39	18 18	18 38	18 14		n.a.
W26	7 24	17 7	4 40	14 20	1 58	8 21	1 47	4 18	0 54	14 32	1 19	18 35	1 51	0 37	0 40	12 33	1 46	31 28	7 39	18 18	18 37	18 15		n.a.
T 27	7 48	13 53	5 5	14 55	2 2	7 53	1 48	4 1	0 54	14 29	1 19	18 33	1 51	0 36	0 39	12 32	1 46	31 27	7 39	18 18	18 37	18 16		n.a.
F 28	8 11	10 2	5 13	15 30	2 5	7 24	1 49	3 44	0 53	14 26	1 20	18 32	1 52	0 35	0 39	12 32	1 46	31 27	7 39	18 17	18 36	18 17		n.a.
S 29	8 35	5 48	5 6	16 3	2 8	6 56	1 49	3 27	0 53	14 23	1 20	18 31	1 52	0 34	0 39	12 31	1 46	31 27	7 39	18 16	18 35	18 17		n.a.
S 30	8 58	1 24	4 44	16 36	2 11	6 27	1 50	3 10	0 53	14 19	1 20	18 30	1 52	0 33	0 39	12 31	1 46	31 27	7 38	18 15	18 34	18 18		n.a.
M31	9s21	3s 0	4s 9	17s 7	2s13	5n57	1n50	2n52	0n52	14n16	1n20	18n29	1n52	0n32	0s39	12n30	1n46	31s27	7s38	18s13	18s33	18s19		n.a.

Julian Day Number = 1110267.5, Delta T = 10h53m11s
Ecliptic obliquity = 23°53'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'16, Lahiri = -27°02'16 Julian Calendar 1 Oct. 1674 BCE == Greg. Calendar 17 Sept. 1674 BCE

The year -1673 astronomical counting style corresponds to year 1674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

NOVEMBER 1674 BCE (-1673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 40 56	24♎41'00	10♎14	11♏17	20♍37	25♍34	26♌22	14♌51	2°R46	2♍19	25♐44	20°R28	21♏44	20♏38	n.a.	T 1
W 2	1 44 53	25°42'16	22°16	12°45	21°51	26°15	26°32	14°55	2♈43	2°20	25°45	20♏25	21°41	20°44	n.a.	W 2
T 3	1 48 49	26°43'33	4♏12	14°12	23° 5	26°57	26°41	14°59	2°41	2°22	25°46	20°22	21°38	20°51	n.a.	T 3
F 4	1 52 46	27°44'50	16° 2	15°38	24°19	27°39	26°50	15° 2	2°39	2°23	25°47	20°D21	21°35	20°58	n.a.	F 4
S 5	1 56 42	28°46'08	27°48	17° 3	25°34	28°21	26°59	15° 6	2°37	2°24	25°48	20°21	21°32	21° 4	n.a.	S 5
S 6	2 0 39	29°47'26	9♐35	18°26	26°48	29° 3	27° 8	15° 9	2°34	2°26	25°49	20°23	21°28	21°11	n.a.	S 6
M 7	2 4 36	0♏48'45	21°24	19°47	28° 2	29°45	27°17	15°13	2°32	2°27	25°51	20°24	21°25	21°17	n.a.	M 7
T 8	2 8 32	1°50'04	3♑19	21° 5	29°16	0♎27	27°26	15°16	2°30	2°29	25°52	20°26	21°22	21°24	n.a.	T 8
W 9	2 12 29	2°51'22	15°26	22°21	0♎31	1° 9	27°35	15°19	2°28	2°30	25°53	20°27	21°19	21°31	n.a.	W 9
T 10	2 16 25	3°52'41	27°48	23°34	1°45	1°51	27°43	15°23	2°26	2°31	25°54	20°28	21°16	21°37	n.a.	T 10
F 11	2 20 22	4°54'00	10♒29	24°44	2°59	2°33	27°52	15°26	2°24	2°33	25°55	20°R28	21°12	21°44	n.a.	F 11
S 12	2 24 18	5°55'19	23°35	25°49	4°14	3°15	28° 0	15°29	2°22	2°34	25°57	20°27	21° 9	21°51	n.a.	S 12
S 13	2 28 15	6°56'37	7♓ 8	26°49	5°28	3°57	28° 8	15°31	2°20	2°35	25°58	20°26	21° 6	21°57	n.a.	S 13
M14	2 32 12	7°57'55	21° 9	27°44	6°43	4°40	28°16	15°34	2°18	2°36	25°59	20°24	21° 3	22° 4	n.a.	M14
T 15	2 36 8	8°59'14	5♈37	28°32	7°57	5°22	28°24	15°37	2°16	2°37	26° 1	20°23	21° 0	22°11	n.a.	T 15
W16	2 40 5	10° 0'32	20°27	29°14	9°12	6° 4	28°32	15°39	2°14	2°38	26° 2	20°22	20°57	22°17	n.a.	W16
T 17	2 44 1	11° 1'50	5♉34	29°47	10°26	6°46	28°40	15°42	2°13	2°40	26° 3	20°21	20°53	22°24	n.a.	T 17
F 18	2 47 58	12° 3'08	20°48	0♐10	11°41	7°29	28°47	15°44	2°11	2°41	26° 5	20°D21	20°50	22°31	n.a.	F 18
S 19	2 51 54	13° 4'26	5♊59	0°25	12°55	8°11	28°55	15°47	2° 9	2°42	26° 6	20°21	20°47	22°37	n.a.	S 19
S 20	2 55 51	14° 5'44	20°58	0°R28	14°10	8°53	29° 2	15°49	2° 7	2°43	26° 7	20°21	20°44	22°44	n.a.	S 20
M21	2 59 47	15° 7'02	5♋37	0°20	15°24	9°36	29° 9	15°51	2° 6	2°44	26° 9	20°22	20°41	22°50	n.a.	M21
T 22	3 3 44	16° 8'20	19°52	29♏59	16°39	10°18	29°16	15°53	2° 4	2°45	26°10	20°22	20°38	22°57	n.a.	T 22
W23	3 7 41	17° 9'38	3♌41	29°28	17°54	11° 1	29°23	15°55	2° 3	2°45	26°12	20°23	20°34	23° 4	n.a.	W23
T 24	3 11 37	18°10'57	17° 5	28°45	19° 8	11°43	29°29	15°56	2° 1	2°46	26°13	20°R23	20°31	23°10	n.a.	T 24
F 25	3 15 34	19°12'15	0♍ 5	27°51	20°23	12°26	29°36	15°58	2° 0	2°47	26°15	20°23	20°28	23°17	n.a.	F 25
S 26	3 19 30	20°13'33	12°44	26°48	21°38	13° 9	29°42	16° 0	1°58	2°48	26°16	20°D23	20°25	23°24	n.a.	S 26
S 27	3 23 27	21°14'51	25° 7	25°37	22°52	13°51	29°49	16° 1	1°57	2°49	26°18	20°23	20°22	23°30	n.a.	S 27
M28	3 27 23	22°16'08	7♎16	24°21	24° 7	14°34	29°55	16° 2	1°55	2°50	26°19	20°23	20°18	23°37	n.a.	M28
T 29	3 31 20	23°17'26	19°16	23° 1	25°22	15°17	0♍ 1	16° 4	1°54	2°50	26°21	20°23	20°15	23°44	n.a.	T 29
W30	3 35 17	24♏18'43	1♏ 9	21♏42	26♎37	15♎59	0♍ 6	16♌ 5	1♈53	2♍51	26♐22	20♏23	20♏12	23♏50	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s44	7s14	3s23	17s38	2s15	5n28	1n50	2n35	0n52	14n13	1n20	18n28	1n52	0n31	0s39	12n30	1n46	31s27	7s38	18s12	18s32	18s20		n.a.
W 2	10 7	11 7	2 29	18 7	2 16	4 59	1 51	2 18	0 51	14 10	1 21	18 27	1 53	0 30	0 39	12 29	1 46	31 27	7 38	18 11	18 32	18 21		n.a.
T 3	10 30	14 32	1 28	18 34	2 17	4 29	1 51	2 1	0 51	14 7	1 21	18 27	1 53	0 29	0 39	12 29	1 46	31 27	7 38	18 10	18 31	18 22		n.a.
F 4	10 52	17 19	0 24	19 0	2 17	3 59	1 51	1 43	0 51	14 4	1 21	18 26	1 53	0 28	0 39	12 28	1 46	31 27	7 38	18 10	18 30	18 23		n.a.
S 5	11 14	19 22	0n41	19 25	2 16	3 29	1 51	1 26	0 50	14 1	1 21	18 25	1 53	0 27	0 39	12 28	1 46	31 27	7 38	18 10	18 29	18 24		n.a.
S 6	11 36	20 35	1 44	19 48	2 15	2 59	1 51	1 9	0 50	13 58	1 22	18 24	1 54	0 27	0 39	12 27	1 46	31 27	7 38	18 10	18 28	18 25		n.a.
M 7	11 58	20 53	2 44	20 9	2 14	2 29	1 50	0 51	0 49	13 55	1 22	18 23	1 54	0 26	0 39	12 27	1 47	31 27	7 38	18 11	18 27	18 26		n.a.
T 8	12 20	20 15	3 36	20 28	2 11	1 58	1 50	0 34	0 49	13 52	1 22	18 22	1 54	0 25	0 39	12 26	1 47	31 27	7 37	18 11	18 26	18 27		n.a.
W 9	12 41	18 40	4 20	20 46	2 8	1 28	1 50	0 16	0 49	13 49	1 22	18 22	1 54	0 24	0 39	12 26	1 47	31 26	7 37	18 12	18 26	18 28		n.a.
T 10	13 3	16 12	4 53	21 1	2 4	0 57	1 49	0s 1	0 48	13 47	1 23	18 21	1 55	0 23	0 39	12 25	1 47	31 26	7 37	18 12	18 25	18 29		n.a.
F 11	13 24	12 56	5 13	21 13	1 59	0 27	1 49	0 18	0 48	13 44	1 23	18 20	1 55	0 23	0 39	12 25	1 47	31 26	7 37	18 12	18 24	18 30		n.a.
S 12	13 45	8 56	5 17	21 24	1 53	0s 4	1 48	0 36	0 47	13 41	1 23	18 20	1 55	0 22	0 39	12 25	1 47	31 26	7 37	18 12	18 23	18 30		n.a.
S 13	14 5	4 22	5 4	21 31	1 46	0 34	1 47	0 53	0 47	13 39	1 23	18 19	1 55	0 21	0 39	12 24	1 47	31 26	7 37	18 11	18 22	18 31		n.a.
M14	14 26	0n36	4 33	21 36	1 37	1 5	1 47	1 11	0 46	13 36	1 24	18 18	1 56	0 20	0 39	12 24	1 47	31 26	7 37	18 11	18 21	18 32		n.a.
T 15	14 46	5 41	3 44	21 38	1 28	1 36	1 46	1 28	0 46	13 33	1 24	18 18	1 56	0 19	0 39	12 23	1 47	31 26	7 37	18 11	18 21	18 33		n.a.
W16	15 5	10 35	2 39	21 36	1 17	2 6	1 45	1 46	0 45	13 31	1 24	18 17	1 56	0 19	0 39	12 23	1 47	31 26	7 37	18 10	18 20	18 34		n.a.
T 17	15 25	14 54	1 21	21 32	1 5	2 37	1 44	2 3	0 45	13 28	1 24	18 17	1 56	0 18	0 39	12 23	1 47	31 26	7 37	18 10	18 19	18 35		n.a.
F 18	15 44	18 15	0s 3	21 24	0 51	3 8	1 43	2 21	0 44	13 26	1 25	18 16	1 57	0 17	0 39	12 22	1 47	31 26	7 37	18 10	18 18	18 36		n.a.
S 19	16 3	20 18	1 26	21 12	0 36	3 38	1 42	2 38	0 44	13 24	1 25	18 16	1 57	0 17	0 39	12 22	1 47	31 26	7 36	18 10	18 17	18 37		n.a.
S 20	16 22	20 52	2 42	20 57	0 20	4 9	1 41	2 56	0 43	13 21	1 25	18 15	1 57	0 16	0 39	12 22	1 47	31 26	7 36	18 10	18 16	18 38		n.a.
M21	16 40	20 0	3 46	20 39	0 3	4 39	1 39	3 13	0 43	13 19	1 25	18 15	1 58	0 15	0 39	12 21	1 47	31 26	7 36	18 10	18 15	18 38		n.a.
T 22	16 59	17 52	4 34	20 16	0n16	5 10	1 38	3 30	0 42	13 17	1 26	18 15	1 58	0 15	0 39	12 21	1 47	31 26	7 36	18 10	18 15	18 39		n.a.
W23	17 16	14 45	5 5	19 51	0 35	5 40	1 37	3 48	0 42	13 14	1 26	18 14	1 58	0 14	0 39	12 21	1 48	31 26	7 36	18 10	18 14	18 40		n.a.
T 24	17 34	10 58	5 18	19 22	0 55	6 10	1 35	4 5	0 41	13 12	1 26	18 14	1 58	0 14	0 39	12 21	1 48	31 26	7 36	18 10	18 13	18 41		n.a.
F 25	17 51	6 46	5 14	18 50	1 15	6 40	1 34	4 23	0 41	13 10	1 27	18 14	1 59	0 13	0 39	12 20	1 48	31 26	7 36	18 10	18 12	18 42		n.a.
S 26	18 8	2 23	4 55	18 16	1 35	7 10	1 32	4 40	0 40	13 8	1 27	18 14	1 59	0 12	0 39	12 20	1 48	31 26	7 36	18 10	18 11	18 43		n.a.
S 27	18 25	2s 1	4 22	17 41	1 54	7 40	1 30	4 57	0 40	13 6	1 27	18 13	1 59	0 12	0 39	12 20	1 48	31 26	7 36	18 10	18 10	18 43		n.a.
M28	18 41	6 16	3 38	17 5	2 12	8 9	1 29	5 15	0 39	13 4	1 27	18 13	1 59	0 11	0 39	12 20	1 48	31 26	7 36	18 11	18 9	18 44		n.a.
T 29	18 57	10 13	2 45	16 29	2 28	8 39	1 27	5 32	0 39	13 2	1 28	18 13	2 0	0 11	0 39	12 20	1 48	31 26	7 36	18 11	18 8	18 45		n.a.
W30	19s12	13s44	1s45	15s55	2n43	9s 8	1n25	5s49	0n38	13n 1	1n28	18n13	2n 0	0n10	0s39	12n19	1n48	31s26	7s36	18s11	18s 8	18s46		n.a.

Julian Day Number = 1110298.5, Delta T = 10h53m09s
Ecliptic obliquity = 23°53'18, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'12, Lahiri = -27°02'12 Julian Calendar 1 Nov. 1674 BCE == Greg. Calendar 18 Oct. 1674 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1674 BCE
geocentric

DECEMBER 1674 BCE (-1673) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 39 13	25♏19'59	12♏58	20°R24	27♎51	16♎42	0♍12	16♌ 6	1°R51	2♍52	26♐24	20♏24	20♏ 9	23♏57	n.a.	T 1
F 2	3 43 10	26°21'15	24°45	19♏11	29° 6	17°25	0°17	16° 7	1♈50	2°52	26°25	20°R24	20° 6	24° 4	n.a.	F 2
S 3	3 47 6	27°22'31	6♐32	18° 4	0♏21	18° 8	0°23	16° 8	1°49	2°53	26°27	20°23	20° 3	24°10	n.a.	S 3
S 4	3 51 3	28°23'45	18°23	17° 5	1°36	18°51	0°28	16° 8	1°48	2°53	26°29	20°23	19°59	24°17	n.a.	S 4
M 5	3 54 59	29°24'59	0♑18	16°14	2°50	19°34	0°33	16° 9	1°47	2°54	26°30	20°22	19°56	24°24	n.a.	M 5
T 6	3 58 56	0♐26'12	12°20	15°33	4° 5	20°16	0°38	16° 9	1°46	2°54	26°32	20°20	19°53	24°30	n.a.	T 6
W 7	4 2 52	1°27'25	24°31	15° 1	5°20	20°59	0°42	16°10	1°45	2°55	26°34	20°18	19°50	24°37	n.a.	W 7
T 8	4 6 49	2°28'36	6♒56	14°39	6°35	21°42	0°47	16°10	1°44	2°55	26°35	20°17	19°47	24°43	n.a.	T 8
F 9	4 10 46	3°29'45	19°37	14°26	7°49	22°25	0°51	16°10	1°43	2°56	26°37	20°16	19°43	24°50	n.a.	F 9
S 10	4 14 42	4°30'54	2♓37	14°D22	9° 4	23° 8	0°55	16°R10	1°42	2°56	26°39	20°D15	19°40	24°57	n.a.	S 10
S 11	4 18 39	5°32'01	15°59	14°25	10°19	23°51	0°59	16°10	1°42	2°56	26°40	20°16	19°37	25° 3	n.a.	S 11
M12	4 22 35	6°33'07	29°45	14°37	11°34	24°35	1° 3	16°10	1°41	2°56	26°42	20°17	19°34	25°10	n.a.	M12
T 13	4 26 32	7°34'12	13♈57	14°55	12°48	25°18	1° 6	16°10	1°40	2°57	26°44	20°18	19°31	25°17	n.a.	T 13
W14	4 30 28	8°35'16	28°33	15°20	14° 3	26° 1	1°10	16° 9	1°40	2°57	26°46	20°19	19°28	25°23	n.a.	W14
T 15	4 34 25	9°36'18	13♉28	15°51	15°18	26°44	1°13	16° 9	1°39	2°57	26°47	20°R20	19°24	25°30	n.a.	T 15
F 16	4 38 22	10°37'19	28°36	16°27	16°33	27°27	1°16	16° 8	1°39	2°57	26°49	20°20	19°21	25°37	n.a.	F 16
S 17	4 42 18	11°38'19	13♊49	17° 8	17°47	28°10	1°19	16° 8	1°38	2°57	26°51	20°19	19°18	25°43	n.a.	S 17
S 18	4 46 15	12°39'17	28°57	17°53	19° 2	28°54	1°22	16° 7	1°38	2°57	26°52	20°16	19°15	25°50	n.a.	S 18
M19	4 50 11	13°40'15	13♋49	18°42	20°17	29°37	1°24	16° 6	1°38	2°R57	26°54	20°13	19°12	25°57	n.a.	M19
T 20	4 54 8	14°41'11	28°19	19°35	21°32	0♏20	1°26	16° 5	1°37	2°57	26°56	20°10	19° 9	26° 3	n.a.	T 20
W21	4 58 4	15°42'06	12♌22	20°32	22°46	1° 4	1°29	16° 4	1°37	2°57	26°58	20° 6	19° 5	26°10	n.a.	W21
T 22	5 2 1	16°43'00	25°57	21°31	24° 1	1°47	1°31	16° 3	1°37	2°57	27° 0	20° 4	19° 2	26°17	n.a.	T 22
F 23	5 5 57	17°43'53	9♍ 3	22°33	25°16	2°31	1°32	16° 2	1°37	2°57	27° 1	20° 2	18°59	26°23	n.a.	F 23
S 24	5 9 54	18°44'45	21°45	23°37	26°30	3°14	1°34	16° 0	1°37	2°57	27° 3	20°D 2	18°56	26°30	n.a.	S 24
S 25	5 13 51	19°45'36	4♎ 6	24°44	27°45	3°57	1°35	15°59	1°D37	2°57	27° 5	20° 3	18°53	26°36	n.a.	S 25
M26	5 17 47	20°46'25	16°12	25°53	29° 0	4°41	1°36	15°57	1°37	2°57	27° 7	20° 4	18°49	26°43	n.a.	M26
T 27	5 21 44	21°47'13	28° 6	27° 4	0♐15	5°24	1°37	15°55	1°37	2°56	27° 9	20° 6	18°46	26°50	n.a.	T 27
W28	5 25 40	22°48'00	9♏54	28°17	1°29	6° 8	1°38	15°54	1°37	2°56	27°10	20° 8	18°43	26°56	n.a.	W28
T 29	5 29 37	23°48'46	21°40	29°31	2°44	6°52	1°39	15°52	1°37	2°56	27°12	20°R 8	18°40	27° 3	n.a.	T 29
F 30	5 33 33	24°49'30	3♐27	0♐47	3°59	7°35	1°39	15°50	1°37	2°55	27°14	20° 7	18°37	27°10	n.a.	F 30
S 31	5 37 30	25♐50'13	15♐18	2♐ 4	5♐13	8♏19	1♍40	15♌48	1♈38	2♍55	27♐16	20♏ 4	18♏34	27♏16	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s27	16s40	0s41	15s22	2n55	9s37	1n23	6s 6	0n38	12n59	1n28	18n13	2n 0	0n10	0s39	12n19	1n48	31s26	7s36	18s11	18s 7	18s47		n.a.
F 2	19 42	18 55	0n24	14 53	3 5	10 6	1 21	6 24	0 37	12 57	1 29	18 13	2 0	0 9	0 39	12 19	1 48	31 26	7 36	18 11	18 6	18 48		n.a.
S 3	19 56	20 21	1 29	14 27	3 12	10 34	1 19	6 41	0 37	12 56	1 29	18 13	2 1	0 9	0 38	12 19	1 48	31 26	7 36	18 11	18 5	18 48		n.a.
S 4	20 10	20 53	2 29	14 6	3 18	11 2	1 17	6 58	0 36	12 54	1 29	18 13	2 1	0 9	0 38	12 19	1 48	31 26	7 36	18 10	18 4	18 49		n.a.
M 5	20 24	20 29	3 24	13 48	3 21	11 30	1 15	7 15	0 35	12 53	1 29	18 13	2 1	0 8	0 38	12 19	1 48	31 26	7 36	18 10	18 3	18 50		n.a.
T 6	20 37	19 9	4 10	13 35	3 22	11 58	1 13	7 32	0 35	12 51	1 30	18 13	2 2	0 8	0 38	12 18	1 48	31 26	7 36	18 10	18 2	18 51		n.a.
W 7	20 50	16 56	4 46	13 27	3 21	12 26	1 11	7 49	0 34	12 50	1 30	18 13	2 2	0 7	0 38	12 18	1 48	31 26	7 36	18 9	18 2	18 52		n.a.
T 8	21 3	13 55	5 9	13 23	3 18	12 53	1 9	8 6	0 34	12 48	1 30	18 13	2 2	0 7	0 38	12 18	1 49	31 26	7 36	18 9	18 1	18 52		n.a.
F 9	21 15	10 12	5 17	13 22	3 15	13 20	1 7	8 23	0 33	12 47	1 31	18 14	2 2	0 7	0 38	12 18	1 49	31 26	7 36	18 9	18 0	18 53		n.a.
S 10	21 26	5 55	5 10	13 26	3 10	13 46	1 5	8 39	0 32	12 46	1 31	18 14	2 3	0 7	0 38	12 18	1 49	31 26	7 36	18 9	17 59	18 54		n.a.
S 11	21 38	1 15	4 46	13 33	3 4	14 12	1 2	8 56	0 32	12 45	1 31	18 14	2 3	0 6	0 38	12 18	1 49	31 26	7 35	18 9	17 58	18 55		n.a.
M12	21 48	3n38	4 5	13 43	2 57	14 38	1 0	9 13	0 31	12 44	1 32	18 14	2 3	0 6	0 38	12 18	1 49	31 26	7 35	18 9	17 57	18 56		n.a.
T 13	21 59	8 29	3 8	13 55	2 50	15 4	0 58	9 30	0 30	12 43	1 32	18 15	2 3	0 6	0 38	12 18	1 49	31 26	7 35	18 9	17 56	18 56		n.a.
W14	22 9	12 59	1 58	14 10	2 42	15 29	0 55	9 46	0 30	12 42	1 32	18 15	2 4	0 6	0 38	12 18	1 49	31 26	7 35	18 10	17 55	18 57		n.a.
T 15	22 18	16 47	0 38	14 27	2 33	15 53	0 53	10 3	0 29	12 41	1 32	18 16	2 4	0 5	0 38	12 18	1 49	31 26	7 35	18 10	17 55	18 58		n.a.
F 16	22 27	19 29	0s46	14 46	2 24	16 17	0 50	10 19	0 29	12 40	1 33	18 16	2 4	0 5	0 38	12 18	1 49	31 26	7 35	18 10	17 54	18 59		n.a.
S 17	22 36	20 48	2 6	15 6	2 15	16 41	0 48	10 35	0 28	12 39	1 33	18 16	2 4	0 5	0 38	12 18	1 49	31 26	7 35	18 9	17 53	18 59		n.a.
S 18	22 44	20 36	3 17	15 28	2 6	17 5	0 46	10 52	0 27	12 39	1 33	18 17	2 5	0 5	0 38	12 18	1 49	31 26	7 36	18 9	17 52	19 0		n.a.
M19	22 52	18 57	4 14	15 50	1 57	17 28	0 43	11 8	0 27	12 38	1 34	18 17	2 5	0 5	0 38	12 18	1 49	31 26	7 36	18 8	17 51	19 1		n.a.
T 20	22 59	16 7	4 53	16 14	1 48	17 50	0 40	11 24	0 26	12 37	1 34	18 18	2 5	0 5	0 38	12 18	1 49	31 26	7 36	18 7	17 50	19 2		n.a.
W21	23 6	12 25	5 12	16 38	1 38	18 12	0 38	11 40	0 25	12 37	1 34	18 19	2 6	0 5	0 38	12 18	1 49	31 27	7 36	18 6	17 49	19 2		n.a.
T 22	23 13	8 12	5 13	17 3	1 29	18 33	0 35	11 56	0 25	12 36	1 35	18 19	2 6	0 5	0 38	12 18	1 49	31 27	7 36	18 5	17 48	19 3		n.a.
F 23	23 19	3 44	4 58	17 28	1 19	18 54	0 33	12 12	0 24	12 36	1 35	18 20	2 6	0 5	0 38	12 19	1 50	31 27	7 36	18 5	17 47	19 4		n.a.
S 24	23 24	0s46	4 28	17 54	1 10	19 15	0 30	12 28	0 23	12 36	1 35	18 21	2 6	0 5	0 38	12 19	1 50	31 27	7 36	18 5	17 47	19 4		n.a.
S 25	23 29	5 7	3 47	18 19	1 1	19 35	0 28	12 43	0 22	12 36	1 36	18 21	2 7	0 5	0 38	12 19	1 50	31 27	7 36	18 5	17 46	19 5		n.a.
M26	23 34	9 11	2 56	18 45	0 52	19 54	0 25	12 59	0 22	12 35	1 36	18 22	2 7	0 5	0 38	12 19	1 50	31 27	7 36	18 5	17 45	19 6		n.a.
T 27	23 38	12 50	1 58	19 11	0 43	20 13	0 23	13 14	0 21	12 35	1 36	18 23	2 7	0 5	0 38	12 19	1 50	31 27	7 36	18 6	17 44	19 7		n.a.
W28	23 41	15 56	0 56	19 36	0 34	20 31	0 20	13 30	0 20	12 35	1 37	18 24	2 7	0 5	0 38	12 19	1 50	31 27	7 36	18 6	17 43	19 7		n.a.
T 29	23 44	18 23	0n 8	20 1	0 25	20 49	0 17	13 45	0 19	12 35	1 37	18 24	2 8	0 5	0 38	12 19	1 50	31 27	7 36	18 7	17 42	19 8		n.a.
F 30	23 47	20 3	1 12	20 26	0 16	21 6	0 15	14 0	0 19	12 36	1 37	18 25	2 8	0 5	0 37	12 20	1 50	31 27	7 36	18 6	17 41	19 9		n.a.
S 31	23s49	20s51	2n13	20s50	0n 8	21s22	0n12	14s15	0n18	12n36	1n38	18n26	2n 8	0n 5	0s37	12n20	1n50	31s27	7s36	18s 5	17s40	19s 9		n.a.

Julian Day Number = 1110328.5, Delta T = 10h53m07s
Ecliptic obliquity = 23°53'17, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'08, Lahiri = -27°02'08 Julian Calendar 1 Dec. 1674 BCE == Greg. Calendar 17 Nov. 1674 BCE

The year -1673 astronomical counting style corresponds to year 1674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

JANUARY 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 41 27	26♐50'54	27♐15	3♐23	6♐28	9♏ 3	1°R40	15°R45	1♈38	2°R55	27♐18	20°R 0	18♏30	27♏23	n.a.	S 1
M 2	5 45 23	27°51'33	9♑21	4°44	7°43	9°46	1♍40	15♌43	1°38	2♍54	27°19	19♏53	18°27	27°30	n.a.	M 2
T 3	5 49 20	28°52'11	21°35	6° 5	8°57	10°30	1°39	15°41	1°39	2°54	27°21	19°46	18°24	27°36	n.a.	T 3
W 4	5 53 16	29°52'47	4♒ 0	7°28	10°12	11°14	1°39	15°38	1°39	2°53	27°23	19°39	18°21	27°43	n.a.	W 4
T 5	5 57 13	0♑53'21	16°37	8°52	11°27	11°57	1°38	15°36	1°40	2°53	27°25	19°31	18°18	27°50	n.a.	T 5
F 6	6 1 9	1°53'53	29°26	10°17	12°41	12°41	1°37	15°33	1°41	2°52	27°27	19°26	18°15	27°56	n.a.	F 6
S 7	6 5 6	2°54'23	12♓30	11°43	13°56	13°25	1°36	15°30	1°41	2°52	27°28	19°22	18°11	28° 3	n.a.	S 7
S 8	6 9 2	3°54'51	25°50	13°10	15°10	14° 9	1°35	15°28	1°42	2°51	27°30	19°20	18° 8	28°10	n.a.	S 8
M 9	6 12 59	4°55'16	9♈28	14°38	16°25	14°53	1°33	15°25	1°43	2°50	27°32	19°D19	18° 5	28°16	n.a.	M 9
T 10	6 16 56	5°55'40	23°25	16° 7	17°40	15°37	1°32	15°22	1°44	2°50	27°34	19°20	18° 2	28°23	n.a.	T 10
W11	6 20 52	6°56'01	7♉41	17°38	18°54	16°20	1°30	15°19	1°44	2°49	27°35	19°21	17°59	28°29	n.a.	W11
T 12	6 24 49	7°56'21	22°14	19° 9	20° 9	17° 4	1°28	15°16	1°45	2°48	27°37	19°R22	17°55	28°36	n.a.	T 12
F 13	6 28 45	8°56'38	7♊ 2	20°41	21°23	17°48	1°25	15°12	1°46	2°47	27°39	19°21	17°52	28°43	n.a.	F 13
S 14	6 32 42	9°56'53	21°58	22°15	22°38	18°32	1°23	15° 9	1°47	2°47	27°41	19°17	17°49	28°49	n.a.	S 14
S 15	6 36 38	10°57'06	6♋54	23°49	23°52	19°16	1°20	15° 6	1°49	2°46	27°43	19°11	17°46	28°56	n.a.	S 15
M16	6 40 35	11°57'17	21°42	25°24	25° 7	20° 0	1°18	15° 2	1°50	2°45	27°44	19° 3	17°43	29° 3	n.a.	M16
T 17	6 44 31	12°57'26	6♌13	27° 1	26°21	20°44	1°15	14°59	1°51	2°44	27°46	18°55	17°40	29° 9	n.a.	T 17
W18	6 48 28	13°57'33	20°21	28°38	27°36	21°28	1°12	14°55	1°52	2°43	27°48	18°46	17°36	29°16	n.a.	W18
T 19	6 52 25	14°57'38	4♍ 2	0♑17	28°50	22°12	1° 8	14°52	1°53	2°42	27°50	18°38	17°33	29°23	n.a.	T 19
F 20	6 56 21	15°57'41	17°16	1°56	0♑ 5	22°56	1° 5	14°48	1°55	2°41	27°51	18°32	17°30	29°29	n.a.	F 20
S 21	7 0 18	16°57'43	0♎ 3	3°37	1°19	23°41	1° 1	14°44	1°56	2°40	27°53	18°28	17°27	29°36	n.a.	S 21
S 22	7 4 14	17°57'43	12°28	5°18	2°33	24°25	0°57	14°40	1°57	2°39	27°55	18°27	17°24	29°43	n.a.	S 22
M23	7 8 11	18°57'41	24°35	7° 1	3°48	25° 9	0°53	14°37	1°59	2°38	27°56	18°D26	17°21	29°49	n.a.	M23
T 24	7 12 7	19°57'37	6♏30	8°45	5° 2	25°53	0°49	14°33	2° 0	2°37	27°58	18°27	17°17	29°56	n.a.	T 24
W25	7 16 4	20°57'31	18°17	10°30	6°17	26°37	0°45	14°29	2° 2	2°36	28° 0	18°R28	17°14	0♐ 3	n.a.	W25
T 26	7 20 0	21°57'24	0♐ 4	12°16	7°31	27°21	0°41	14°25	2° 4	2°35	28° 2	18°27	17°11	0° 9	n.a.	T 26
F 27	7 23 57	22°57'14	11°53	14° 3	8°46	28° 6	0°36	14°20	2° 5	2°34	28° 3	18°24	17° 8	0°16	n.a.	F 27
S 28	7 27 53	23°57'03	23°49	15°51	10° 0	28°50	0°31	14°16	2° 7	2°32	28° 5	18°19	17° 5	0°23	n.a.	S 28
S 29	7 31 50	24°56'49	5♑54	17°41	11°14	29°34	0°26	14°12	2° 9	2°31	28° 7	18°11	17° 1	0°29	n.a.	S 29
M30	7 35 47	25°56'34	18°12	19°31	12°29	0♐18	0°21	14° 8	2°11	2°30	28° 8	18° 0	16°58	0°36	n.a.	M30
T 31	7 39 43	26♑56'16	0♒42	21♑23	13♑43	1♐ 3	0♍16	14♌ 4	2♈12	2♍29	28♐10	17♏48	16♏55	0♐42	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s51	20s43	3n 9	21s14	0s 0	21s38	0n10	14s30	0n17	12n36	1n38	18n27	2n 8	0n 6	0s37	12n20	1n50	31s27	7s36	18s 4	17s39	19s10			n.a.
M 2	23 52	19 37	3 56	21 37	0 8	21 53	0 7	14 45	0 16	12 36	1 38	18 28	2 9	0 6	0 37	12 20	1 50	31 28	7 36	18 3	17 39	19 11			n.a.
T 3	23 53	17 37	4 34	22 0	0 16	22 8	0 4	15 0	0 16	12 37	1 39	18 29	2 9	0 6	0 37	12 20	1 50	31 28	7 36	18 1	17 38	19 11			n.a.
W 4	23 53	14 47	4 58	22 21	0 24	22 22	0 2	15 15	0 15	12 37	1 39	18 30	2 9	0 6	0 37	12 21	1 50	31 28	7 36	17 58	17 37	19 12			n.a.
T 5	23 53	11 14	5 9	22 42	0 31	22 35	0s 1	15 29	0 14	12 38	1 39	18 31	2 9	0 6	0 37	12 21	1 50	31 28	7 36	17 56	17 36	19 13			n.a.
F 6	23 52	7 8	5 5	23 3	0 39	22 48	0 3	15 43	0 13	12 39	1 39	18 32	2 10	0 7	0 37	12 21	1 50	31 28	7 36	17 55	17 35	19 13			n.a.
S 7	23 51	2 37	4 45	23 22	0 46	23 0	0 6	15 58	0 13	12 39	1 40	18 33	2 10	0 7	0 37	12 21	1 51	31 28	7 36	17 54	17 34	19 14			n.a.
S 8	23 50	2n 7	4 9	23 40	0 52	23 11	0 8	16 12	0 12	12 40	1 40	18 34	2 10	0 7	0 37	12 22	1 51	31 28	7 37	17 53	17 33	19 15			n.a.
M 9	23 48	6 51	3 19	23 57	0 59	23 22	0 11	16 26	0 11	12 41	1 40	18 35	2 10	0 8	0 37	12 22	1 51	31 28	7 37	17 53	17 32	19 15			n.a.
T 10	23 45	11 21	2 16	24 14	1 5	23 31	0 13	16 40	0 10	12 42	1 41	18 36	2 10	0 8	0 37	12 22	1 51	31 29	7 37	17 53	17 31	19 16			n.a.
W11	23 42	15 19	1 3	24 29	1 11	23 41	0 16	16 53	0 9	12 43	1 41	18 37	2 11	0 8	0 37	12 23	1 51	31 29	7 37	17 54	17 30	19 17			n.a.
T 12	23 39	18 25	0s16	24 42	1 17	23 49	0 18	17 7	0 8	12 44	1 41	18 38	2 11	0 9	0 37	12 23	1 51	31 29	7 37	17 54	17 30	19 17			n.a.
F 13	23 35	20 21	1 34	24 55	1 22	23 57	0 21	17 20	0 8	12 45	1 42	18 40	2 11	0 9	0 37	12 23	1 51	31 29	7 37	17 53	17 29	19 18			n.a.
S 14	23 30	20 52	2 46	25 6	1 27	24 4	0 23	17 33	0 7	12 46	1 42	18 41	2 11	0 10	0 37	12 24	1 51	31 29	7 37	17 52	17 28	19 19			n.a.
S 15	23 26	19 55	3 48	25 16	1 32	24 10	0 25	17 47	0 6	12 47	1 42	18 42	2 11	0 10	0 37	12 24	1 51	31 29	7 37	17 51	17 27	19 19			n.a.
M16	23 20	17 37	4 33	25 25	1 36	24 15	0 28	17 59	0 5	12 48	1 42	18 43	2 12	0 11	0 37	12 24	1 51	31 29	7 37	17 49	17 26	19 20			n.a.
T 17	23 15	14 15	4 59	25 32	1 41	24 20	0 30	18 12	0 4	12 50	1 43	18 44	2 12	0 11	0 37	12 25	1 51	31 29	7 37	17 46	17 25	19 21			n.a.
W18	23 8	10 8	5 6	25 37	1 44	24 24	0 32	18 25	0 3	12 51	1 43	18 46	2 12	0 12	0 37	12 25	1 51	31 30	7 38	17 44	17 24	19 21			n.a.
T 19	23 2	5 38	4 55	25 41	1 48	24 27	0 35	18 37	0 2	12 53	1 43	18 47	2 12	0 12	0 37	12 26	1 51	31 30	7 38	17 42	17 23	19 22			n.a.
F 20	22 55	1 0	4 29	25 43	1 51	24 30	0 37	18 50	0 2	12 54	1 44	18 48	2 12	0 13	0 37	12 26	1 51	31 30	7 38	17 40	17 22	19 22			n.a.
S 21	22 47	3s31	3 50	25 44	1 54	24 32	0 39	19 2	0 1	12 56	1 44	18 50	2 13	0 13	0 37	12 26	1 51	31 30	7 38	17 39	17 21	19 23			n.a.
S 22	22 39	7 47	3 1	25 43	1 56	24 33	0 41	19 14	0s 0	12 57	1 44	18 51	2 13	0 14	0 37	12 27	1 51	31 30	7 38	17 38	17 20	19 24			n.a.
M23	22 31	11 37	2 4	25 40	1 58	24 33	0 43	19 26	0 1	12 59	1 44	18 52	2 13	0 15	0 37	12 27	1 51	31 30	7 38	17 38	17 20	19 24			n.a.
T 24	22 22	14 56	1 4	25 35	2 0	24 33	0 45	19 37	0 2	13 1	1 45	18 54	2 13	0 15	0 37	12 28	1 52	31 31	7 38	17 39	17 19	19 25			n.a.
W25	22 13	17 37	0 1	25 28	2 1	24 31	0 47	19 49	0 3	13 3	1 45	18 55	2 13	0 16	0 36	12 28	1 52	31 31	7 38	17 39	17 18	19 25			n.a.
T 26	22 4	19 32	1n 2	25 20	2 2	24 29	0 49	20 0	0 4	13 4	1 45	18 56	2 13	0 17	0 36	12 29	1 52	31 31	7 39	17 38	17 17	19 26			n.a.
F 27	21 54	20 37	2 2	25 9	2 2	24 27	0 51	20 11	0 5	13 6	1 45	18 58	2 14	0 17	0 36	12 29	1 52	31 31	7 39	17 38	17 16	19 26			n.a.
S 28	21 43	20 48	2 57	24 56	2 2	24 23	0 53	20 22	0 6	13 8	1 46	18 59	2 14	0 18	0 36	12 30	1 52	31 31	7 39	17 36	17 15	19 27			n.a.
S 29	21 32	20 1	3 45	24 41	2 1	24 19	0 55	20 33	0 7	13 10	1 46	19 0	2 14	0 19	0 36	12 30	1 52	31 31	7 39	17 34	17 14	19 28			n.a.
M30	21 21	18 17	4 23	24 25	2 0	24 14	0 57	20 43	0 8	13 12	1 46	19 2	2 14	0 20	0 36	12 31	1 52	31 32	7 39	17 31	17 13	19 28			n.a.
T 31	21s10	15s41	4n49	24s 5	1s58	24s 8	0s58	20s54	0s 9	13n15	1n46	19n 3	2n14	0n20	0s36	12n31	1n52	31s32	7s39	17s27	17s12	19s29			n.a.

Julian Day Number = 1110359.5, Delta T = 10h53m05s
Ecliptic obliquity = 23°53'16, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'04, Lahiri = -27°02'04 Julian Calendar 1 Jan. 1673 BCE == Greg. Calendar 18 Dec. 1674 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

FEBRUARY 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 43 40	27♉55'56	13♒26	23♉16	14♉57	1♐47	0°R10	13°R59	2♈14	2°R28	28♐11	17°R35	16♏52	0♐49	n.a.	W 1
T 2	7 47 36	28°55'34	26°22	25°10	16°12	2°31	0♍ 5	13♌55	2°16	2♍26	28°13	17♏23	16°49	0°56	n.a.	T 2
F 3	7 51 33	29°55'10	9♓30	27° 5	17°26	3°16	29♌59	13°51	2°18	2°25	28°15	17°13	16°46	1° 2	n.a.	F 3
S 4	7 55 29	0♒54'43	22°49	29° 2	18°40	4° 0	29°53	13°46	2°20	2°24	28°16	17° 5	16°42	1° 9	n.a.	S 4
S 5	7 59 26	1°54'13	6♈19	0♒59	19°55	4°44	29°47	13°42	2°22	2°22	28°18	17° 0	16°39	1°16	n.a.	S 5
M 6	8 3 22	2°53'42	20° 0	2°57	21° 9	5°29	29°41	13°37	2°24	2°21	28°19	16°58	16°36	1°22	n.a.	M 6
T 7	8 7 19	3°53'07	3♉53	4°57	22°23	6°13	29°35	13°33	2°26	2°20	28°21	16°D57	16°33	1°29	n.a.	T 7
W 8	8 11 15	4°52'31	17°57	6°57	23°38	6°57	29°29	13°28	2°29	2°18	28°22	16°R58	16°30	1°36	n.a.	W 8
T 9	8 15 12	5°51'51	2♊12	8°57	24°52	7°42	29°22	13°24	2°31	2°17	28°24	16°57	16°27	1°42	n.a.	T 9
F 10	8 19 9	6°51'10	16°36	10°58	26° 6	8°26	29°16	13°19	2°33	2°15	28°25	16°54	16°23	1°49	n.a.	F 10
S 11	8 23 5	7°50'26	1♋ 7	13° 0	27°20	9°10	29° 9	13°14	2°35	2°14	28°27	16°49	16°20	1°56	n.a.	S 11
S 12	8 27 2	8°49'39	15°39	15° 2	28°35	9°55	29° 3	13°10	2°38	2°12	28°28	16°41	16°17	2° 2	n.a.	S 12
M13	8 30 58	9°48'50	0♌ 6	17° 3	29°49	10°39	28°56	13° 5	2°40	2°11	28°30	16°31	16°14	2° 9	n.a.	M13
T 14	8 34 55	10°47'59	14°22	19° 5	1♒ 3	11°24	28°49	13° 1	2°42	2° 9	28°31	16°19	16°11	2°16	n.a.	T 14
W15	8 38 51	11°47'06	28°20	21° 5	2°17	12° 8	28°42	12°56	2°45	2° 8	28°32	16° 7	16° 7	2°22	n.a.	W15
T 16	8 42 48	12°46'10	11♍55	23° 5	3°31	12°52	28°35	12°51	2°47	2° 6	28°34	15°56	16° 4	2°29	n.a.	T 16
F 17	8 46 44	13°45'12	25° 7	25° 3	4°46	13°37	28°28	12°47	2°50	2° 5	28°35	15°47	16° 1	2°36	n.a.	F 17
S 18	8 50 41	14°44'12	7♎55	27° 0	6° 0	14°21	28°20	12°42	2°52	2° 3	28°37	15°40	15°58	2°42	n.a.	S 18
S 19	8 54 38	15°43'11	20°22	28°54	7°14	15° 6	28°13	12°38	2°55	2° 2	28°38	15°36	15°55	2°49	n.a.	S 19
M20	8 58 34	16°42'07	2♏32	0♓46	8°28	15°50	28° 6	12°33	2°58	2° 0	28°39	15°35	15°52	2°56	n.a.	M20
T 21	9 2 31	17°41'02	14°28	2°35	9°42	16°35	27°58	12°28	3° 0	1°59	28°41	15°34	15°48	3° 2	n.a.	T 21
W22	9 6 27	18°39'54	26°18	4°21	10°56	17°19	27°51	12°24	3° 3	1°57	28°42	15°34	15°45	3° 9	n.a.	W22
T 23	9 10 24	19°38'45	8♐ 6	6° 4	12°10	18° 4	27°43	12°19	3° 6	1°56	28°43	15°33	15°42	3°15	n.a.	T 23
F 24	9 14 20	20°37'34	19°58	7°42	13°25	18°48	27°36	12°15	3° 8	1°54	28°44	15°31	15°39	3°22	n.a.	F 24
S 25	9 18 17	21°36'21	1♉58	9°16	14°39	19°32	27°28	12°10	3°11	1°52	28°45	15°25	15°36	3°29	n.a.	S 25
S 26	9 22 13	22°35'06	14°11	10°46	15°53	20°17	27°20	12° 6	3°14	1°51	28°47	15°17	15°33	3°35	n.a.	S 26
M27	9 26 10	23°33'49	26°39	12°10	17° 7	21° 1	27°13	12° 1	3°17	1°49	28°48	15° 7	15°29	3°42	n.a.	M27
T 28	9 30 6	24°32'30	9♒23	13°30	18°21	21°46	27° 5	11°57	3°20	1°48	28°49	14°54	15°26	3°49	n.a.	T 28
W29	9 34 3	25♒31'09	22♒25	14♓44	19♒35	22♐30	26♌57	11♌52	3♈23	1♍46	28♐50	14♏42	15♏23	3♐55	n.a.	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20s58	12s18	5n 1	23s44	1s56	24s 2	1s 0	21s 4	0s10	13n17	1n47	19n 5	2n14	0n21	0s36	12n32	1n52	31s32	7s40	17s24	17s11	19s29		n.a.
T 2	20 45	8 18	4 58	23 21	1 53	23 54	1 2	21 14	0 11	13 19	1 47	19 6	2 15	0 22	0 36	12 32	1 52	31 32	7 40	17 20	17 10	19 30		n.a.
F 3	20 33	3 51	4 40	22 55	1 50	23 46	1 3	21 23	0 12	13 21	1 47	19 8	2 15	0 23	0 36	12 33	1 52	31 32	7 40	17 17	17 9	19 30		n.a.
S 4	20 20	0n51	4 6	22 27	1 46	23 38	1 5	21 33	0 13	13 23	1 47	19 9	2 15	0 24	0 36	12 33	1 52	31 33	7 40	17 15	17 9	19 31		n.a.
S 5	20 6	5 34	3 18	21 57	1 41	23 28	1 6	21 42	0 14	13 26	1 48	19 10	2 15	0 25	0 36	12 34	1 52	31 33	7 40	17 14	17 8	19 32		n.a.
M 6	19 53	10 5	2 18	21 25	1 36	23 18	1 8	21 51	0 15	13 28	1 48	19 12	2 15	0 25	0 36	12 34	1 52	31 33	7 40	17 13	17 7	19 32		n.a.
T 7	19 39	14 7	1 9	20 51	1 30	23 8	1 9	22 0	0 16	13 31	1 48	19 13	2 15	0 26	0 36	12 35	1 52	31 33	7 41	17 13	17 6	19 33		n.a.
W 8	19 24	17 25	0s 5	20 14	1 24	22 56	1 11	22 9	0 17	13 33	1 48	19 15	2 15	0 27	0 36	12 35	1 52	31 33	7 41	17 13	17 5	19 33		n.a.
T 9	19 9	19 41	1 20	19 36	1 17	22 44	1 12	22 18	0 18	13 36	1 48	19 16	2 15	0 28	0 36	12 36	1 52	31 34	7 41	17 13	17 4	19 34		n.a.
F 10	18 54	20 43	2 30	18 55	1 10	22 31	1 13	22 26	0 19	13 38	1 49	19 18	2 15	0 29	0 36	12 36	1 52	31 34	7 41	17 12	17 3	19 34		n.a.
S 11	18 39	20 22	3 31	18 13	1 2	22 18	1 14	22 34	0 20	13 41	1 49	19 19	2 16	0 30	0 36	12 37	1 52	31 34	7 41	17 10	17 2	19 35		n.a.
S 12	18 23	18 40	4 18	17 28	0 53	22 4	1 15	22 42	0 21	13 43	1 49	19 20	2 16	0 31	0 36	12 38	1 52	31 34	7 42	17 8	17 1	19 35		n.a.
M13	18 7	15 48	4 49	16 42	0 44	21 49	1 17	22 49	0 22	13 46	1 49	19 22	2 16	0 32	0 36	12 38	1 52	31 34	7 42	17 5	17 0	19 36		n.a.
T 14	17 51	12 2	5 1	15 55	0 34	21 34	1 18	22 57	0 23	13 48	1 49	19 23	2 16	0 33	0 36	12 39	1 52	31 35	7 42	17 2	16 59	19 36		n.a.
W15	17 34	7 41	4 54	15 6	0 23	21 17	1 18	23 4	0 24	13 51	1 49	19 25	2 16	0 34	0 36	12 39	1 52	31 35	7 42	16 58	16 58	19 37		n.a.
T 16	17 18	3 3	4 31	14 17	0 13	21 1	1 19	23 11	0 25	13 54	1 49	19 26	2 16	0 35	0 36	12 40	1 52	31 35	7 42	16 55	16 57	19 37		n.a.
F 17	17 0	1s35	3 53	13 26	0 1	20 44	1 20	23 17	0 26	13 56	1 50	19 28	2 16	0 36	0 36	12 40	1 52	31 35	7 43	16 52	16 56	19 38		n.a.
S 18	16 43	6 2	3 5	12 35	0n10	20 26	1 21	23 24	0 27	13 59	1 50	19 29	2 16	0 37	0 36	12 41	1 53	31 36	7 43	16 50	16 56	19 38		n.a.
S 19	16 25	10 6	2 9	11 44	0 22	20 7	1 22	23 30	0 28	14 2	1 50	19 30	2 16	0 38	0 36	12 42	1 53	31 36	7 43	16 49	16 55	19 39		n.a.
M20	16 7	13 39	1 9	10 52	0 34	19 48	1 22	23 36	0 29	14 4	1 50	19 32	2 16	0 39	0 36	12 42	1 53	31 36	7 43	16 49	16 54	19 39		n.a.
T 21	15 49	16 34	0 6	10 1	0 47	19 29	1 23	23 42	0 30	14 7	1 50	19 33	2 16	0 40	0 36	12 43	1 53	31 36	7 43	16 49	16 53	19 40		n.a.
W22	15 31	18 46	0n57	9 11	0 59	19 9	1 23	23 47	0 31	14 10	1 50	19 34	2 16	0 42	0 36	12 43	1 53	31 36	7 44	16 49	16 52	19 40		n.a.
T 23	15 12	20 9	1 56	8 21	1 11	18 48	1 24	23 53	0 33	14 13	1 50	19 36	2 16	0 43	0 36	12 44	1 53	31 37	7 44	16 48	16 51	19 40		n.a.
F 24	14 53	20 39	2 51	7 33	1 24	18 27	1 24	23 58	0 34	14 15	1 50	19 37	2 16	0 44	0 36	12 45	1 53	31 37	7 44	16 47	16 50	19 41		n.a.
S 25	14 34	20 13	3 39	6 46	1 36	18 5	1 24	24 3	0 35	14 18	1 50	19 38	2 16	0 45	0 36	12 45	1 53	31 37	7 44	16 46	16 49	19 41		n.a.
S 26	14 15	18 50	4 18	6 1	1 47	17 43	1 25	24 7	0 36	14 21	1 50	19 40	2 16	0 46	0 35	12 46	1 53	31 37	7 44	16 43	16 48	19 42		n.a.
M27	13 55	16 33	4 46	5 18	1 59	17 21	1 25	24 12	0 37	14 24	1 50	19 41	2 16	0 47	0 35	12 46	1 53	31 38	7 45	16 40	16 47	19 42		n.a.
T 28	13 35	13 26	4 59	4 37	2 10	16 57	1 25	24 16	0 38	14 26	1 51	19 42	2 16	0 48	0 35	12 47	1 53	31 38	7 45	16 37	16 46	19 43		n.a.
W29	13s15	9s36	4n58	3s58	2n20	16s34	1s25	24s19	0s39	14n29	1n51	19n44	2n16	0n50	0s35	12n48	1n53	31s38	7s45	16s33	16s45	19s43		n.a.

Julian Day Number = 1110390.5, Delta T = 10h53m03s
Ecliptic obliquity = 23°53'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°09'00, Lahiri = -27°01'59 Julian Calendar 1 Feb. 1673 BCE == Greg. Calendar 18 Jan. 1673 BCE

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

MARCH 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 38 0	26♒29'46	5♓43	15♓53	20♒49	23♐15	26°R50	11°R48	3♈26	1°R44	28♐51	14°R29	15♏20	4♐ 2	n.a.	T 1
F 2	9 41 56	27°28'20	19°15	16°57	22° 3	23°59	26♌42	11♌44	3°29	1♍43	28°52	14♏19	15°17	4° 9	n.a.	F 2
S 3	9 45 53	28°26'53	2♈57	17°54	23°17	24°44	26°34	11°39	3°32	1°41	28°53	14°11	15°13	4°15	n.a.	S 3
S 4	9 49 49	29°25'23	16°48	18°46	24°31	25°28	26°27	11°35	3°35	1°39	28°54	14° 6	15°10	4°22	n.a.	S 4
M 5	9 53 46	0♓23'51	0♉45	19°32	25°45	26°12	26°19	11°31	3°38	1°38	28°55	14° 3	15° 7	4°29	n.a.	M 5
T 6	9 57 42	1°22'17	14°47	20°12	26°59	26°57	26°11	11°26	3°41	1°36	28°56	14°D 2	15° 4	4°35	n.a.	T 6
W 7	10 1 39	2°20'40	28°52	20°46	28°13	27°41	26° 4	11°22	3°44	1°34	28°57	14°R 3	15° 1	4°42	n.a.	W 7
T 8	10 5 35	3°19'01	13♊ 0	21°13	29°27	28°25	25°56	11°18	3°47	1°33	28°58	14° 2	14°58	4°49	n.a.	T 8
F 9	10 9 32	4°17'20	27° 9	21°35	0♓41	29°10	25°48	11°14	3°50	1°31	28°59	14° 1	14°54	4°55	n.a.	F 9
S 10	10 13 28	5°15'37	11♋18	21°50	1°55	29°54	25°41	11°10	3°53	1°30	29° 0	13°56	14°51	5° 2	n.a.	S 10
S 11	10 17 25	6°13'51	25°24	22° 0	3° 9	0♉38	25°33	11° 6	3°56	1°28	29° 1	13°49	14°48	5° 9	n.a.	S 11
M12	10 21 22	7°12'03	9♌24	22°R 4	4°23	1°23	25°26	11° 2	3°59	1°26	29° 2	13°40	14°45	5°15	n.a.	M12
T 13	10 25 18	8°10'13	23°14	22° 2	5°37	2° 7	25°19	10°58	4° 3	1°25	29° 3	13°30	14°42	5°22	n.a.	T 13
W14	10 29 15	9° 8'21	6♍50	21°54	6°51	2°51	25°11	10°55	4° 6	1°23	29° 4	13°19	14°38	5°29	n.a.	W14
T 15	10 33 11	10° 6'27	20° 9	21°42	8° 5	3°36	25° 4	10°51	4° 9	1°21	29° 4	13°10	14°35	5°35	n.a.	T 15
F 16	10 37 8	11° 4'32	3♎ 9	21°24	9°19	4°20	24°57	10°47	4°12	1°20	29° 5	13° 2	14°32	5°42	n.a.	F 16
S 17	10 41 4	12° 2'34	15°50	21° 2	10°32	5° 4	24°50	10°44	4°16	1°18	29° 6	12°56	14°29	5°49	n.a.	S 17
S 18	10 45 1	13° 0'35	28°13	20°36	11°46	5°48	24°43	10°40	4°19	1°17	29° 7	12°53	14°26	5°55	n.a.	S 18
M19	10 48 57	13°58'34	10♏21	20° 6	13° 0	6°32	24°36	10°37	4°22	1°15	29° 7	12°D51	14°23	6° 2	n.a.	M19
T 20	10 52 54	14°56'32	22°19	19°34	14°14	7°17	24°29	10°33	4°25	1°13	29° 8	12°52	14°19	6° 8	n.a.	T 20
W21	10 56 50	15°54'28	4♐ 9	18°59	15°28	8° 1	24°22	10°30	4°29	1°12	29° 9	12°53	14°16	6°15	n.a.	W21
T 22	11 0 47	16°52'23	15°58	18°22	16°42	8°45	24°16	10°26	4°32	1°10	29° 9	12°R53	14°13	6°22	n.a.	T 22
F 23	11 4 44	17°50'17	27°52	17°44	17°56	9°29	24° 9	10°23	4°36	1° 9	29°10	12°53	14°10	6°28	n.a.	F 23
S 24	11 8 40	18°48'09	9♑54	17° 6	19° 9	10°13	24° 3	10°20	4°39	1° 7	29°10	12°50	14° 7	6°35	n.a.	S 24
S 25	11 12 37	19°45'59	22°10	16°28	20°23	10°57	23°56	10°17	4°42	1° 6	29°11	12°46	14° 4	6°42	n.a.	S 25
M26	11 16 33	20°43'48	4♒44	15°52	21°37	11°41	23°50	10°14	4°46	1° 4	29°11	12°39	14° 0	6°48	n.a.	M26
T 27	11 20 30	21°41'36	17°38	15°16	22°51	12°25	23°44	10°11	4°49	1° 3	29°12	12°32	13°57	6°55	n.a.	T 27
W28	11 24 26	22°39'22	0♓53	14°43	24° 5	13° 9	23°38	10° 8	4°53	1° 1	29°12	12°23	13°54	7° 2	n.a.	W28
T 29	11 28 23	23°37'06	14°28	14°13	25°19	13°53	23°32	10° 6	4°56	1° 0	29°13	12°15	13°51	7° 8	n.a.	T 29
F 30	11 32 19	24°34'49	28°22	13°46	26°32	14°37	23°26	10° 3	4°59	0°58	29°13	12° 8	13°48	7°15	n.a.	F 30
S 31	11 36 16	25♓32'31	12♈29	13♓22	27♓46	15♉20	23♌21	10♌ 0	5♈ 3	0♍57	29♐14	12♏ 3	13♏44	7♐22	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	12s55	5s15	4n41	3s22	2n30	16s10	1s25	24s23	0s40	14n32	1n51	19n45	2n16	0n51	0s35	12n48	1n53	31s38	7s45	16s29	16s44	19s44			n.a.
F 2	12 35	0 33	4 7	2 49	2 39	15 45	1 25	24 26	0 42	14 34	1 51	19 46	2 16	0 52	0 35	12 49	1 53	31 39	7 46	16 26	16 43	19 44			n.a.
S 3	12 14	4n14	3 19	2 18	2 47	15 21	1 25	24 29	0 43	14 37	1 51	19 47	2 16	0 53	0 35	12 49	1 53	31 39	7 46	16 23	16 42	19 44			n.a.
S 4	11 53	8 51	2 19	1 51	2 55	14 55	1 25	24 32	0 44	14 40	1 51	19 49	2 16	0 55	0 35	12 50	1 53	31 39	7 46	16 22	16 41	19 45			n.a.
M 5	11 32	13 2	1 10	1 27	3 2	14 30	1 24	24 35	0 45	14 42	1 51	19 50	2 16	0 56	0 35	12 51	1 53	31 39	7 46	16 21	16 40	19 45			n.a.
T 6	11 11	16 31	0s 4	1 5	3 7	14 4	1 24	24 37	0 46	14 45	1 51	19 51	2 16	0 57	0 35	12 51	1 53	31 40	7 47	16 21	16 40	19 46			n.a.
W 7	10 50	19 1	1 18	0 48	3 12	13 37	1 24	24 39	0 47	14 48	1 51	19 52	2 16	0 58	0 35	12 52	1 53	31 40	7 47	16 21	16 39	19 46			n.a.
T 8	10 29	20 21	2 27	0 33	3 16	13 10	1 23	24 41	0 49	14 50	1 51	19 53	2 16	1 0	0 35	12 53	1 53	31 40	7 47	16 21	16 38	19 46			n.a.
F 9	10 7	20 23	3 28	0 22	3 18	12 43	1 23	24 43	0 50	14 53	1 51	19 54	2 16	1 1	0 35	12 53	1 53	31 40	7 47	16 20	16 37	19 47			n.a.
S 10	9 45	19 9	4 16	0 15	3 19	12 16	1 22	24 44	0 51	14 56	1 51	19 56	2 16	1 2	0 35	12 54	1 53	31 41	7 48	16 19	16 36	19 47			n.a.
S 11	9 24	16 45	4 48	0 11	3 19	11 48	1 22	24 45	0 52	14 58	1 50	19 57	2 16	1 3	0 35	12 54	1 53	31 41	7 48	16 17	16 35	19 48			n.a.
M12	9 2	13 23	5 2	0 11	3 18	11 20	1 21	24 46	0 53	15 1	1 50	19 58	2 16	1 5	0 35	12 55	1 53	31 41	7 48	16 14	16 34	19 48			n.a.
T 13	8 40	9 20	4 59	0 14	3 15	10 52	1 20	24 47	0 54	15 3	1 50	19 59	2 16	1 6	0 35	12 56	1 53	31 41	7 48	16 11	16 33	19 48			n.a.
W14	8 17	4 52	4 38	0 21	3 11	10 23	1 19	24 47	0 56	15 6	1 50	20 0	2 16	1 7	0 35	12 56	1 53	31 42	7 49	16 8	16 32	19 49			n.a.
T 15	7 55	0 16	4 3	0 31	3 6	9 54	1 19	24 47	0 57	15 8	1 50	20 1	2 16	1 9	0 35	12 57	1 53	31 42	7 49	16 5	16 31	19 49			n.a.
F 16	7 33	4s15	3 16	0 44	2 59	9 25	1 18	24 47	0 58	15 10	1 50	20 2	2 16	1 10	0 35	12 57	1 53	31 42	7 49	16 2	16 30	19 50			n.a.
S 17	7 10	8 29	2 19	1 0	2 51	8 56	1 17	24 47	0 59	15 13	1 50	20 3	2 16	1 11	0 35	12 58	1 53	31 43	7 49	16 1	16 29	19 50			n.a.
S 18	6 48	12 15	1 18	1 20	2 42	8 26	1 16	24 46	1 0	15 15	1 50	20 4	2 16	1 13	0 35	12 58	1 53	31 43	7 50	16 0	16 28	19 50			n.a.
M19	6 25	15 25	0 13	1 41	2 31	7 57	1 15	24 45	1 2	15 17	1 50	20 5	2 16	1 14	0 35	12 59	1 53	31 43	7 50	15 59	16 27	19 51			n.a.
T 20	6 2	17 53	0n51	2 5	2 19	7 27	1 13	24 44	1 3	15 20	1 50	20 5	2 16	1 15	0 35	13 0	1 53	31 43	7 50	15 59	16 26	19 51			n.a.
W21	5 39	19 33	1 52	2 31	2 6	6 56	1 12	24 42	1 4	15 22	1 50	20 6	2 15	1 17	0 35	13 0	1 53	31 44	7 51	16 0	16 25	19 51			n.a.
T 22	5 17	20 21	2 48	2 58	1 52	6 26	1 11	24 41	1 5	15 24	1 49	20 7	2 15	1 18	0 35	13 1	1 53	31 44	7 51	16 0	16 24	19 52			n.a.
F 23	4 54	20 15	3 38	3 27	1 37	5 56	1 10	24 39	1 7	15 26	1 49	20 8	2 15	1 19	0 35	13 1	1 53	31 44	7 51	16 0	16 23	19 52			n.a.
S 24	4 31	19 13	4 18	3 56	1 21	5 25	1 8	24 37	1 8	15 28	1 49	20 9	2 15	1 21	0 35	13 2	1 53	31 44	7 51	15 59	16 22	19 52			n.a.
S 25	4 8	17 18	4 48	4 26	1 5	4 54	1 7	24 34	1 9	15 30	1 49	20 9	2 15	1 22	0 35	13 2	1 53	31 45	7 52	15 58	16 21	19 53			n.a.
M26	3 44	14 31	5 4	4 56	0 49	4 23	1 6	24 32	1 10	15 32	1 49	20 10	2 15	1 24	0 35	13 3	1 53	31 45	7 52	15 56	16 20	19 53			n.a.
T 27	3 21	10 59	5 6	5 25	0 32	3 52	1 4	24 29	1 12	15 34	1 49	20 11	2 15	1 25	0 35	13 3	1 53	31 45	7 52	15 53	16 19	19 53			n.a.
W28	2 58	6 50	4 51	5 53	0 15	3 21	1 2	24 26	1 13	15 36	1 49	20 12	2 15	1 26	0 35	13 4	1 53	31 46	7 52	15 51	16 18	19 54			n.a.
T 29	2 35	2 14	4 20	6 20	0s 1	2 50	1 1	24 23	1 14	15 38	1 48	20 12	2 15	1 28	0 35	13 4	1 53	31 46	7 53	15 48	16 17	19 54			n.a.
F 30	2 12	2n35	3 33	6 46	0 18	2 18	0 59	24 19	1 15	15 39	1 48	20 13	2 15	1 29	0 35	13 5	1 53	31 46	7 53	15 46	16 17	19 54			n.a.
S 31	1s48	7n21	2n33	7s10	0s34	1s47	0s58	24s15	1s16	15n41	1n48	20n13	2n14	1n31	0s35	13n 6	1n53	31s46	7s53	15s44	16s16	19s55			n.a.

Julian Day Number = 1110419.5, Delta T = 10h53m01s
Ecliptic obliquity = 23°53'16, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'56, Lahiri = -27°01'55 Julian Calendar 1 March 1673 BCE == Greg. Calendar 16 Feb. 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

APRIL 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 40 12	26♓30'11	26♈45	13°R 2	29♓ 0	16♉ 4	23°R15	9°R58	5♈ 6	0°R55	29♐14	12°R 0	13♏41	7♐28	n.a.	S 1
M 2	11 44 9	27°27'49	11♉ 6	12♓46	0♈14	16°48	23♌10	9♌56	5°10	0♍54	29°14	11°D59	13°38	7°35	n.a.	M 2
T 3	11 48 6	28°25'26	25°28	12°35	1°27	17°32	23° 5	9°53	5°13	0°52	29°15	11♏59	13°35	7°42	n.a.	T 3
W 4	11 52 2	29°23'01	9♊46	12°28	2°41	18°15	23° 0	9°51	5°17	0°51	29°15	12° 1	13°32	7°48	n.a.	W 4
T 5	11 55 59	0♈20'35	23°59	12°D25	3°55	18°59	22°55	9°49	5°20	0°50	29°15	12°R 2	13°29	7°55	n.a.	T 5
F 6	11 59 55	1°18'07	8♋ 5	12°27	5° 9	19°43	22°50	9°47	5°24	0°48	29°15	12° 2	13°25	8° 2	n.a.	F 6
S 7	12 3 52	2°15'37	22° 2	12°34	6°22	20°26	22°46	9°45	5°27	0°47	29°16	12° 0	13°22	8° 8	n.a.	S 7
S 8	12 7 48	3°13'05	5♌49	12°45	7°36	21°10	22°41	9°43	5°31	0°46	29°16	11°57	13°19	8°15	n.a.	S 8
M 9	12 11 45	4°10'32	19°26	13° 1	8°50	21°53	22°37	9°41	5°34	0°44	29°16	11°52	13°16	8°22	n.a.	M 9
T 10	12 15 41	5° 7'57	2♍50	13°21	10° 3	22°36	22°33	9°40	5°38	0°43	29°16	11°46	13°13	8°28	n.a.	T 10
W11	12 19 38	6° 5'21	16° 1	13°45	11°17	23°20	22°29	9°38	5°41	0°42	29°16	11°40	13° 9	8°35	n.a.	W11
T 12	12 23 35	7° 2'44	28°57	14°14	12°31	24° 3	22°25	9°37	5°45	0°41	29°16	11°35	13° 6	8°42	n.a.	T 12
F 13	12 27 31	8° 0'06	11♎39	14°47	13°44	24°46	22°21	9°35	5°48	0°39	29°16	11°31	13° 3	8°48	n.a.	F 13
S 14	12 31 28	8°57'26	24° 7	15°24	14°58	25°29	22°18	9°34	5°52	0°38	29°R16	11°28	13° 0	8°55	n.a.	S 14
S 15	12 35 24	9°54'46	6♏21	16° 5	16°12	26°12	22°15	9°33	5°55	0°37	29°16	11°D27	12°57	9° 2	n.a.	S 15
M16	12 39 21	10°52'04	18°24	16°49	17°25	26°55	22°11	9°32	5°58	0°36	29°16	11°27	12°54	9° 8	n.a.	M16
T 17	12 43 17	11°49'22	0♐19	17°37	18°39	27°38	22° 9	9°31	6° 2	0°35	29°16	11°28	12°50	9°15	n.a.	T 17
W18	12 47 14	12°46'39	12° 9	18°29	19°53	28°21	22° 6	9°30	6° 5	0°33	29°16	11°29	12°47	9°22	n.a.	W18
T 19	12 51 10	13°43'55	23°59	19°25	21° 6	29° 4	22° 3	9°29	6° 9	0°32	29°16	11°31	12°44	9°28	n.a.	T 19
F 20	12 55 7	14°41'10	5♑52	20°24	22°20	29°47	22° 1	9°28	6°12	0°31	29°16	11°32	12°41	9°35	n.a.	F 20
S 21	12 59 4	15°38'25	17°55	21°26	23°33	0♒30	21°59	9°28	6°16	0°30	29°16	11°R33	12°38	9°42	n.a.	S 21
S 22	13 3 0	16°35'39	0♒11	22°31	24°47	1°12	21°56	9°27	6°19	0°29	29°15	11°32	12°35	9°48	n.a.	S 22
M23	13 6 57	17°32'53	12°45	23°40	26° 1	1°55	21°55	9°27	6°23	0°28	29°15	11°30	12°31	9°55	n.a.	M23
T 24	13 10 53	18°30'05	25°41	24°51	27°14	2°38	21°53	9°26	6°26	0°27	29°15	11°27	12°28	10° 2	n.a.	T 24
W25	13 14 50	19°27'18	9♓ 1	26° 6	28°28	3°20	21°51	9°26	6°30	0°26	29°15	11°24	12°25	10° 8	n.a.	W25
T 26	13 18 46	20°24'30	22°45	27°24	29°41	4° 2	21°50	9°26	6°33	0°25	29°14	11°21	12°22	10°15	n.a.	T 26
F 27	13 22 43	21°21'41	6♈51	28°45	0♉55	4°45	21°49	9°D26	6°36	0°24	29°14	11°19	12°19	10°22	n.a.	F 27
S 28	13 26 39	22°18'51	21°17	0♈ 8	2° 9	5°27	21°48	9°26	6°40	0°24	29°14	11°17	12°15	10°28	n.a.	S 28
S 29	13 30 36	23°16'01	5♉56	1°35	3°22	6° 9	21°47	9°26	6°43	0°23	29°13	11°D16	12°12	10°35	n.a.	S 29
M30	13 34 33	24♈13'11	20♉42	3♈ 4	4♉36	6♒51	21♌46	9♌27	6♈47	0♍22	29♐13	11♏16	12♏ 9	10♐42	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s25	11n46	1n22	7s32	0s49	1s15	0s56	24s11	1s18	15n43	1n48	20n14	2n14	1n32	0s35	13n 6	1n53	31s47	7s54	15s43	16s15	19s55		n.a.
M 2	1 2	15 31	0 5	7 52	1 4	0 44	0 54	24 7	1 19	15 44	1 48	20 15	2 14	1 33	0 35	13 7	1 53	31 47	7 54	15 43	16 14	19 55		n.a.
T 3	0 38	18 19	1s13	8 10	1 18	0 12	0 52	24 2	1 20	15 46	1 47	20 15	2 14	1 35	0 35	13 7	1 53	31 47	7 54	15 43	16 13	19 55		n.a.
W 4	0 15	19 57	2 25	8 25	1 32	0n19	0 50	23 58	1 21	15 48	1 47	20 16	2 14	1 36	0 35	13 8	1 53	31 48	7 54	15 44	16 12	19 56		n.a.
T 5	0n 8	20 17	3 28	8 38	1 45	0 51	0 48	23 53	1 23	15 49	1 47	20 16	2 14	1 38	0 35	13 8	1 53	31 48	7 55	15 44	16 11	19 56		n.a.
F 6	0 32	19 21	4 18	8 48	1 56	1 22	0 46	23 48	1 24	15 50	1 47	20 16	2 14	1 39	0 35	13 8	1 53	31 48	7 55	15 44	16 10	19 56		n.a.
S 7	0 55	17 15	4 52	8 55	2 7	1 54	0 45	23 42	1 25	15 52	1 47	20 17	2 14	1 40	0 35	13 9	1 53	31 48	7 55	15 43	16 9	19 57		n.a.
S 8	1 18	14 11	5 9	9 0	2 18	2 25	0 43	23 37	1 27	15 53	1 46	20 17	2 13	1 42	0 35	13 9	1 52	31 49	7 56	15 42	16 8	19 57		n.a.
M 9	1 41	10 24	5 8	9 3	2 27	2 57	0 40	23 31	1 28	15 54	1 46	20 18	2 13	1 43	0 35	13 10	1 52	31 49	7 56	15 41	16 7	19 57		n.a.
T 10	2 5	6 9	4 50	9 2	2 35	3 28	0 38	23 25	1 29	15 55	1 46	20 18	2 13	1 45	0 35	13 10	1 52	31 49	7 56	15 39	16 6	19 57		n.a.
W11	2 28	1 41	4 17	9 0	2 42	3 59	0 36	23 19	1 30	15 56	1 46	20 18	2 13	1 46	0 35	13 11	1 52	31 49	7 56	15 37	16 5	19 58		n.a.
T 12	2 51	2s48	3 31	8 54	2 49	4 31	0 34	23 12	1 32	15 57	1 46	20 19	2 13	1 48	0 35	13 11	1 52	31 50	7 57	15 35	16 4	19 58		n.a.
F 13	3 14	7 4	2 36	8 47	2 55	5 2	0 32	23 6	1 33	15 58	1 45	20 19	2 13	1 49	0 35	13 12	1 52	31 50	7 57	15 34	16 3	19 58		n.a.
S 14	3 37	10 58	1 33	8 36	2 59	5 33	0 30	22 59	1 34	15 59	1 45	20 19	2 13	1 50	0 35	13 12	1 52	31 50	7 57	15 33	16 2	19 58		n.a.
S 15	4 0	14 20	0 28	8 24	3 3	6 4	0 28	22 52	1 35	16 0	1 45	20 19	2 12	1 52	0 35	13 12	1 52	31 51	7 57	15 33	16 1	19 59		n.a.
M16	4 23	17 1	0n38	8 9	3 6	6 35	0 25	22 45	1 37	16 1	1 45	20 19	2 12	1 53	0 35	13 13	1 52	31 51	7 58	15 33	16 0	19 59		n.a.
T 17	4 46	18 56	1 42	7 51	3 8	7 5	0 23	22 37	1 38	16 2	1 44	20 19	2 12	1 55	0 35	13 13	1 52	31 51	7 58	15 33	15 59	19 59		n.a.
W18	5 8	20 1	2 41	7 32	3 10	7 36	0 21	22 30	1 39	16 2	1 44	20 20	2 12	1 56	0 35	13 13	1 52	31 51	7 58	15 34	15 58	19 59		n.a.
T 19	5 31	20 12	3 33	7 10	3 10	8 6	0 18	22 22	1 40	16 3	1 44	20 20	2 12	1 57	0 35	13 14	1 52	31 52	7 59	15 34	15 57	20 0		n.a.
F 20	5 54	19 30	4 16	6 47	3 10	8 36	0 16	22 14	1 42	16 4	1 44	20 20	2 12	1 59	0 35	13 14	1 52	31 52	7 59	15 35	15 56	20 0		n.a.
S 21	6 16	17 54	4 49	6 21	3 9	9 6	0 14	22 6	1 43	16 4	1 43	20 20	2 12	2 0	0 35	13 15	1 52	31 52	7 59	15 35	15 55	20 0		n.a.
S 22	6 38	15 28	5 9	5 53	3 7	9 36	0 11	21 57	1 44	16 5	1 43	20 20	2 11	2 2	0 35	13 15	1 52	31 53	7 59	15 34	15 54	20 0		n.a.
M23	7 1	12 16	5 15	5 23	3 5	10 5	0 9	21 49	1 45	16 5	1 43	20 20	2 11	2 3	0 35	13 15	1 52	31 53	8 0	15 34	15 53	20 0		n.a.
T 24	7 23	8 25	5 5	4 51	3 2	10 35	0 7	21 40	1 47	16 5	1 42	20 20	2 11	2 4	0 35	13 16	1 52	31 53	8 0	15 33	15 52	20 1		n.a.
W25	7 45	4 2	4 39	4 17	2 58	11 4	0 4	21 31	1 48	16 6	1 42	20 19	2 11	2 6	0 35	13 16	1 52	31 53	8 0	15 32	15 51	20 1		n.a.
T 26	8 7	0n41	3 57	3 42	2 54	11 32	0 2	21 22	1 49	16 6	1 42	20 19	2 11	2 7	0 35	13 16	1 52	31 54	8 0	15 31	15 50	20 1		n.a.
F 27	8 29	5 30	2 59	3 4	2 48	12 1	0n 1	21 13	1 51	16 6	1 42	20 19	2 11	2 8	0 35	13 16	1 52	31 54	8 1	15 30	15 49	20 1		n.a.
S 28	8 51	10 7	1 48	2 25	2 43	12 29	0 3	21 4	1 52	16 6	1 41	20 19	2 10	2 10	0 35	13 17	1 52	31 54	8 1	15 30	15 48	20 1		n.a.
S 29	9 12	14 13	0 29	1 45	2 36	12 57	0 5	20 54	1 53	16 6	1 41	20 19	2 10	2 11	0 35	13 17	1 52	31 54	8 1	15 30	15 47	20 2		n.a.
M30	9n34	17n26	0s52	1s 2	2s30	13n25	0n 8	20s45	1s54	16n 6	1n41	20n19	2n10	2n12	0s35	13n17	1n52	31s55	8s 2	15s30	15s46	20s 2		n.a.

Julian Day Number = 1110450.5, Delta T = 10h52m59s
Ecliptic obliquity = 23°53'17, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'52, Lahiri = -27°01'51 Julian Calendar 1 Apr. 1673 BCE == Greg. Calendar 18 March 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

MAY 1673 BCE (-1672) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 38 29	25♈10'19	5♊28	4♈37	5♉49	7♒33	21°R46	9♌27	6♈50	0°R21	29°R13	11♏17	12♏ 6	10♐48	n.a.	T 1
W 2	13 42 26	26° 7'27	20° 7	6°12	7° 3	8°15	21♌46	9°27	6°53	0♍20	29♐12	11°18	12° 3	10°55	n.a.	W 2
T 3	13 46 22	27° 4'35	4♋35	7°50	8°16	8°57	21°D45	9°28	6°57	0°20	29°12	11°19	12° 0	11° 1	n.a.	T 3
F 4	13 50 19	28° 1'41	18°47	9°31	9°30	9°38	21°46	9°29	7° 0	0°19	29°11	11°20	11°56	11° 8	n.a.	F 4
S 5	13 54 15	28°58'47	2♌43	11°14	10°43	10°20	21°46	9°29	7° 3	0°18	29°11	11°R20	11°53	11°15	n.a.	S 5
S 6	13 58 12	29°55'51	16°22	13° 0	11°57	11° 1	21°46	9°30	7° 6	0°18	29°10	11°20	11°50	11°21	n.a.	S 6
M 7	14 2 9	0♉52'56	29°43	14°49	13°10	11°43	21°47	9°31	7°10	0°17	29°10	11°19	11°47	11°28	n.a.	M 7
T 8	14 6 5	1°49'59	12♍48	16°41	14°24	12°24	21°48	9°32	7°13	0°16	29° 9	11°18	11°44	11°35	n.a.	T 8
W 9	14 10 2	2°47'02	25°37	18°35	15°37	13° 5	21°49	9°34	7°16	0°16	29° 8	11°16	11°40	11°41	n.a.	W 9
T 10	14 13 58	3°44'05	8♎13	20°31	16°51	13°46	21°50	9°35	7°19	0°15	29° 8	11°15	11°37	11°48	n.a.	T 10
F 11	14 17 55	4°41'07	20°37	22°30	18° 4	14°27	21°51	9°36	7°23	0°15	29° 7	11°15	11°34	11°55	n.a.	F 11
S 12	14 21 51	5°38'09	2♏50	24°31	19°18	15° 8	21°53	9°38	7°26	0°14	29° 6	11°14	11°31	12° 1	n.a.	S 12
S 13	14 25 48	6°35'10	14°53	26°34	20°31	15°49	21°55	9°39	7°29	0°14	29° 6	11°D14	11°28	12° 8	n.a.	S 13
M14	14 29 44	7°32'12	26°50	28°38	21°45	16°29	21°56	9°41	7°32	0°13	29° 5	11°15	11°25	12°15	n.a.	M14
T 15	14 33 41	8°29'14	8♐41	0♉45	22°58	17°10	21°58	9°43	7°35	0°13	29° 4	11°15	11°21	12°21	n.a.	T 15
W16	14 37 38	9°26'16	20°30	2°52	24°12	17°50	22° 1	9°44	7°38	0°13	29° 4	11°15	11°18	12°28	n.a.	W16
T 17	14 41 34	10°23'18	2♑20	5° 1	25°25	18°30	22° 3	9°46	7°41	0°12	29° 3	11°15	11°15	12°35	n.a.	T 17
F 18	14 45 31	11°20'20	14°14	7°11	26°39	19°10	22° 6	9°48	7°44	0°12	29° 2	11°R15	11°12	12°41	n.a.	F 18
S 19	14 49 27	12°17'22	26°17	9°21	27°52	19°51	22° 8	9°51	7°47	0°12	29° 1	11°15	11° 9	12°48	n.a.	S 19
S 20	14 53 24	13°14'25	8♒32	11°31	29° 6	20°30	22°11	9°53	7°50	0°12	29° 0	11°D15	11° 6	12°55	n.a.	S 20
M21	14 57 20	14°11'28	21° 4	13°41	0♊19	21°10	22°14	9°55	7°53	0°11	28°59	11°15	11° 2	13° 1	n.a.	M21
T 22	15 1 17	15° 8'31	3♓57	15°51	1°32	21°50	22°18	9°57	7°56	0°11	28°59	11°15	10°59	13° 8	n.a.	T 22
W23	15 5 13	16° 5'35	17°13	18° 1	2°46	22°29	22°21	10° 0	7°59	0°11	28°58	11°16	10°56	13°15	n.a.	W23
T 24	15 9 10	17° 2'39	0♈56	20° 9	3°59	23° 9	22°25	10° 3	8° 2	0°11	28°57	11°16	10°53	13°21	n.a.	T 24
F 25	15 13 7	17°59'44	15° 4	22°17	5°13	23°48	22°28	10° 5	8° 5	0°11	28°56	11°17	10°50	13°28	n.a.	F 25
S 26	15 17 3	18°56'50	29°36	24°23	6°26	24°27	22°32	10° 8	8° 8	0°11	28°55	11°17	10°46	13°35	n.a.	S 26
S 27	15 21 0	19°53'55	14♉28	26°29	7°39	25° 6	22°36	10°11	8°11	0°D11	28°54	11°R17	10°43	13°41	n.a.	S 27
M28	15 24 56	20°51'01	29°30	28°32	8°53	25°44	22°40	10°14	8°13	0°11	28°53	11°17	10°40	13°48	n.a.	M28
T 29	15 28 53	21°48'08	14♊36	0♊35	10° 6	26°23	22°45	10°17	8°16	0°11	28°52	11°16	10°37	13°55	n.a.	T 29
W30	15 32 49	22°45'15	29°37	2°35	11°20	27° 1	22°49	10°20	8°19	0°11	28°51	11°15	10°34	14° 1	n.a.	W30
T 31	15 36 46	23♉42'22	14♋23	4♊34	12♊33	27♒40	22♌54	10♌23	8♈22	0♍11	28♐50	11♏14	10♏31	14♐ 8	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9n55	19n29	2s10	0s18	2s22	13n52	0n10	20s35	1s56	16n 6	1n41	20n18	2n10	2n14	0s35	13n17	1n52	31s55	8s 2	15s30	15s45	20s 2			n.a.
W 2	10 16	20 12	3 19	0n27	2 14	14 19	0 13	20 25	1 57	16 6	1 40	20 18	2 10	2 15	0 35	13 18	1 52	31 55	8 2	15 30	15 44	20 2			n.a.
T 3	10 37	19 34	4 14	1 14	2 6	14 46	0 15	20 15	1 58	16 5	1 40	20 18	2 10	2 17	0 35	13 18	1 52	31 55	8 2	15 30	15 43	20 2			n.a.
F 4	10 58	17 43	4 53	2 3	1 57	15 12	0 17	20 5	1 59	16 5	1 40	20 17	2 9	2 18	0 35	13 18	1 52	31 56	8 3	15 31	15 42	20 2			n.a.
S 5	11 19	14 50	5 13	2 53	1 48	15 38	0 20	19 55	2 1	16 5	1 39	20 17	2 9	2 19	0 35	13 18	1 51	31 56	8 3	15 31	15 41	20 3			n.a.
S 6	11 39	11 13	5 16	3 44	1 38	16 3	0 22	19 44	2 2	16 4	1 39	20 17	2 9	2 20	0 35	13 19	1 51	31 56	8 3	15 31	15 40	20 3			n.a.
M 7	12 0	7 6	5 1	4 36	1 28	16 29	0 25	19 34	2 3	16 4	1 39	20 16	2 9	2 22	0 35	13 19	1 51	31 56	8 3	15 30	15 39	20 3			n.a.
T 8	12 20	2 44	4 30	5 29	1 18	16 53	0 27	19 23	2 4	16 3	1 39	20 16	2 9	2 23	0 35	13 19	1 51	31 57	8 4	15 30	15 38	20 3			n.a.
W 9	12 40	1s41	3 47	6 23	1 7	17 18	0 29	19 12	2 6	16 3	1 38	20 15	2 9	2 24	0 35	13 19	1 51	31 57	8 4	15 30	15 37	20 3			n.a.
T 10	13 0	5 58	2 53	7 18	0 56	17 41	0 32	19 1	2 7	16 2	1 38	20 15	2 8	2 26	0 35	13 19	1 51	31 57	8 4	15 29	15 36	20 3			n.a.
F 11	13 19	9 55	1 52	8 13	0 45	18 5	0 34	18 50	2 8	16 1	1 38	20 14	2 8	2 27	0 35	13 19	1 51	31 57	8 4	15 29	15 35	20 4			n.a.
S 12	13 39	13 25	0 47	9 9	0 34	18 28	0 36	18 39	2 9	16 1	1 37	20 14	2 8	2 28	0 35	13 19	1 51	31 58	8 5	15 29	15 34	20 4			n.a.
S 13	13 58	16 17	0n20	10 5	0 23	18 50	0 39	18 28	2 10	16 0	1 37	20 13	2 8	2 29	0 35	13 20	1 51	31 58	8 5	15 29	15 33	20 4			n.a.
M14	14 17	18 26	1 26	11 0	0 12	19 12	0 41	18 17	2 12	15 59	1 37	20 12	2 8	2 31	0 35	13 20	1 51	31 58	8 5	15 29	15 32	20 4			n.a.
T 15	14 36	19 45	2 27	11 56	0 1	19 33	0 43	18 5	2 13	15 58	1 37	20 12	2 8	2 32	0 35	13 20	1 51	31 58	8 5	15 29	15 31	20 4			n.a.
W16	14 54	20 12	3 21	12 51	0n10	19 54	0 45	17 54	2 14	15 57	1 36	20 11	2 7	2 33	0 35	13 20	1 51	31 59	8 6	15 29	15 30	20 4			n.a.
T 17	15 13	19 45	4 7	13 45	0 20	20 15	0 48	17 42	2 15	15 56	1 36	20 10	2 7	2 34	0 35	13 20	1 51	31 59	8 6	15 29	15 29	20 4			n.a.
F 18	15 31	18 25	4 43	14 39	0 31	20 34	0 50	17 30	2 17	15 55	1 36	20 10	2 7	2 36	0 35	13 20	1 51	31 59	8 6	15 29	15 28	20 4			n.a.
S 19	15 49	16 16	5 7	15 31	0 40	20 54	0 52	17 19	2 18	15 53	1 35	20 9	2 7	2 37	0 35	13 20	1 51	31 59	8 6	15 29	15 27	20 4			n.a.
S 20	16 6	13 22	5 17	16 21	0 50	21 12	0 54	17 7	2 19	15 52	1 35	20 8	2 7	2 38	0 35	13 20	1 51	31 59	8 6	15 29	15 26	20 5			n.a.
M21	16 24	9 48	5 13	17 10	0 59	21 31	0 56	16 55	2 20	15 51	1 35	20 7	2 7	2 39	0 35	13 20	1 51	32 0	8 7	15 29	15 25	20 5			n.a.
T 22	16 41	5 42	4 53	17 58	1 7	21 48	0 58	16 43	2 21	15 50	1 35	20 7	2 6	2 40	0 35	13 20	1 51	32 0	8 7	15 29	15 24	20 5			n.a.
W23	16 58	1 12	4 17	18 43	1 15	22 5	1 0	16 31	2 23	15 48	1 34	20 6	2 6	2 42	0 35	13 20	1 51	32 0	8 7	15 29	15 23	20 5			n.a.
T 24	17 14	3n31	3 26	19 26	1 22	22 21	1 2	16 19	2 24	15 47	1 34	20 5	2 6	2 43	0 35	13 20	1 50	32 0	8 7	15 30	15 22	20 5			n.a.
F 25	17 31	8 12	2 21	20 6	1 28	22 37	1 4	16 7	2 25	15 45	1 34	20 4	2 6	2 44	0 35	13 20	1 50	32 1	8 8	15 30	15 21	20 5			n.a.
S 26	17 47	12 33	1 4	20 44	1 34	22 52	1 6	15 55	2 26	15 44	1 33	20 3	2 6	2 45	0 35	13 20	1 50	32 1	8 8	15 30	15 20	20 5			n.a.
S 27	18 3	16 12	0s18	21 20	1 39	23 7	1 8	15 42	2 27	15 42	1 33	20 2	2 6	2 46	0 35	13 20	1 50	32 1	8 8	15 30	15 19	20 5			n.a.
M28	18 18	18 48	1 39	21 54	1 44	23 20	1 9	15 30	2 29	15 40	1 33	20 1	2 6	2 47	0 35	13 20	1 50	32 1	8 8	15 30	15 18	20 5			n.a.
T 29	18 33	20 5	2 55	22 24	1 48	23 33	1 11	15 18	2 30	15 39	1 33	20 0	2 5	2 48	0 35	13 20	1 50	32 1	8 8	15 29	15 17	20 5			n.a.
W30	18 48	19 56	3 57	22 52	1 51	23 46	1 13	15 5	2 31	15 37	1 32	19 59	2 5	2 49	0 35	13 20	1 50	32 2	8 9	15 29	15 16	20 5			n.a.
T 31	19n 3	18n25	4s43	23n18	1n53	23n57	1n15	14s53	2s32	15n35	1n32	19n58	2n 5	2n50	0s35	13n20	1n50	32s 2	8s 9	15s29	15s15	20s 5			n.a.

Julian Day Number = 1110480.5, Delta T = 10h52m58s
Ecliptic obliquity = 23°53'16, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'48, Lahiri = -27°01'47 Julian Calendar 1 May 1673 BCE == Greg. Calendar 17 Apr. 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

JUNE 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 40 43	24♉39'29	28♋49	6♊31	13♊46	28♒18	22♌59	10♌26	8♈24	0♍11	28°R49	11°R12	10♏27	14♐15	n.a.	F 1
S 2	15 44 39	25°36'37	12♌52	8°27	15° 0	28°56	23° 4	10°30	8°27	0°12	28♐48	11♏11	10°24	14°22	n.a.	S 2
S 3	15 48 36	26°33'44	26°31	10°21	16°13	29°33	23° 9	10°33	8°30	0°12	28°47	11°D11	10°21	14°28	n.a.	S 3
M 4	15 52 32	27°30'52	9♍46	12°12	17°26	0♓11	23°15	10°37	8°32	0°12	28°46	11°11	10°18	14°35	n.a.	M 4
T 5	15 56 29	28°28'01	22°41	14° 2	18°40	0°48	23°20	10°40	8°35	0°12	28°44	11°12	10°15	14°42	n.a.	T 5
W 6	16 0 25	29°25'09	5♎17	15°51	19°53	1°25	23°26	10°44	8°37	0°13	28°43	11°14	10°12	14°48	n.a.	W 6
T 7	16 4 22	0♊22'18	17°38	17°37	21° 6	2° 2	23°31	10°48	8°40	0°13	28°42	11°15	10° 8	14°55	n.a.	T 7
F 8	16 8 18	1°19'28	29°48	19°22	22°20	2°39	23°37	10°52	8°42	0°13	28°41	11°16	10° 5	15° 2	n.a.	F 8
S 9	16 12 15	2°16'39	11♏49	21° 4	23°33	3°16	23°43	10°56	8°44	0°14	28°40	11°R17	10° 2	15° 8	n.a.	S 9
S 10	16 16 12	3°13'50	23°43	22°45	24°46	3°52	23°50	11° 0	8°47	0°14	28°39	11°16	9°59	15°15	n.a.	S 10
M11	16 20 8	4°11'01	5♐34	24°25	26° 0	4°28	23°56	11° 4	8°49	0°15	28°37	11°14	9°56	15°22	n.a.	M11
T 12	16 24 5	5° 8'14	17°24	26° 2	27°13	5° 4	24° 2	11° 8	8°51	0°15	28°36	11°12	9°52	15°28	n.a.	T 12
W13	16 28 1	6° 5'28	29°14	27°38	28°26	5°40	24° 9	11°12	8°54	0°16	28°35	11° 8	9°49	15°35	n.a.	W13
T 14	16 31 58	7° 2'43	11♑ 6	29°11	29°39	6°16	24°16	11°16	8°56	0°16	28°34	11° 4	9°46	15°42	n.a.	T 14
F 15	16 35 54	7°59'58	23° 4	0♋43	0♋53	6°51	24°23	11°21	8°58	0°17	28°33	10°59	9°43	15°48	n.a.	F 15
S 16	16 39 51	8°57'15	5♒ 9	2°13	2° 6	7°26	24°30	11°25	9° 0	0°18	28°31	10°55	9°40	15°55	n.a.	S 16
S 17	16 43 48	9°54'34	17°26	3°42	3°19	8° 1	24°37	11°30	9° 2	0°18	28°30	10°52	9°37	16° 2	n.a.	S 17
M18	16 47 44	10°51'53	29°56	5° 8	4°32	8°36	24°44	11°35	9° 4	0°19	28°29	10°50	9°33	16° 8	n.a.	M18
T 19	16 51 41	11°49'14	12♓45	6°33	5°45	9°10	24°51	11°39	9° 6	0°20	28°28	10°D50	9°30	16°15	n.a.	T 19
W20	16 55 37	12°46'36	25°56	7°55	6°59	9°44	24°59	11°44	9° 8	0°21	28°26	10°50	9°27	16°22	n.a.	W20
T 21	16 59 34	13°43'59	9♈30	9°16	8°12	10°18	25° 7	11°49	9°10	0°21	28°25	10°52	9°24	16°28	n.a.	T 21
F 22	17 3 30	14°41'24	23°31	10°35	9°25	10°52	25°14	11°54	9°12	0°22	28°24	10°53	9°21	16°35	n.a.	F 22
S 23	17 7 27	15°38'51	7♉57	11°51	10°38	11°25	25°22	11°59	9°14	0°23	28°22	10°R54	9°17	16°42	n.a.	S 23
S 24	17 11 23	16°36'19	22°47	13° 6	11°51	11°58	25°30	12° 4	9°16	0°24	28°21	10°54	9°14	16°48	n.a.	S 24
M25	17 15 20	17°33'48	7♊53	14°18	13° 4	12°31	25°39	12° 9	9°17	0°25	28°20	10°51	9°11	16°55	n.a.	M25
T 26	17 19 17	18°31'19	23° 7	15°28	14°17	13° 4	25°47	12°14	9°19	0°26	28°18	10°48	9° 8	17° 2	n.a.	T 26
W27	17 23 13	19°28'51	8♋19	16°36	15°31	13°36	25°55	12°19	9°21	0°27	28°17	10°43	9° 5	17° 8	n.a.	W27
T 28	17 27 10	20°26'24	23°19	17°42	16°44	14° 8	26° 4	12°24	9°22	0°28	28°16	10°37	9° 2	17°15	n.a.	T 28
F 29	17 31 6	21°23'59	7♌59	18°45	17°57	14°39	26°12	12°30	9°24	0°29	28°14	10°31	8°58	17°22	n.a.	F 29
S 30	17 35 3	22♊21'34	22♌12	19♋45	19♋10	15♓11	26♌21	12♌35	9♈26	0♍30	28♐13	10♏27	8♏55	17♐28	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n17	15n44	5s 9	23n41	1n55	24n 8	1n16	14s41	2s33	15n33	1n32	19n57	2n 5	2n52	0s35	13n19	1n50	32s 2	8s 9	15s28	15s14	20s 5		n.a.
S 2	19 31	12 12	5 17	24 2	1 56	24 19	1 18	14 28	2 34	15 31	1 32	19 56	2 5	2 53	0 35	13 19	1 50	32 2	8 9	15 28	15 13	20 6		n.a.
S 3	19 45	8 8	5 5	24 20	1 56	24 28	1 19	14 16	2 36	15 29	1 31	19 55	2 5	2 54	0 35	13 19	1 50	32 2	8 9	15 28	15 12	20 6		n.a.
M 4	19 58	3 46	4 38	24 36	1 56	24 37	1 21	14 3	2 37	15 27	1 31	19 54	2 5	2 55	0 35	13 19	1 50	32 2	8 10	15 28	15 11	20 6		n.a.
T 5	20 11	0s40	3 58	24 49	1 56	24 45	1 22	13 51	2 38	15 25	1 31	19 53	2 4	2 56	0 35	13 19	1 50	32 3	8 10	15 28	15 10	20 6		n.a.
W 6	20 24	4 58	3 6	25 1	1 54	24 53	1 23	13 38	2 39	15 23	1 31	19 51	2 4	2 57	0 35	13 19	1 50	32 3	8 10	15 29	15 9	20 6		n.a.
T 7	20 37	9 0	2 7	25 10	1 52	25 0	1 25	13 26	2 40	15 21	1 30	19 50	2 4	2 58	0 35	13 19	1 50	32 3	8 10	15 29	15 8	20 6		n.a.
F 8	20 49	12 35	1 3	25 17	1 50	25 5	1 26	13 13	2 41	15 19	1 30	19 49	2 4	2 59	0 35	13 18	1 50	32 3	8 10	15 29	15 7	20 6		n.a.
S 9	21 0	15 37	0n 3	25 21	1 47	25 11	1 27	13 1	2 42	15 16	1 30	19 48	2 4	2 59	0 35	13 18	1 50	32 3	8 10	15 30	15 6	20 6		n.a.
S 10	21 12	17 57	1 8	25 24	1 43	25 15	1 28	12 48	2 43	15 14	1 29	19 47	2 4	3 0	0 35	13 18	1 50	32 3	8 11	15 29	15 5	20 6		n.a.
M11	21 23	19 30	2 10	25 25	1 39	25 19	1 29	12 36	2 45	15 12	1 29	19 45	2 4	3 1	0 35	13 18	1 50	32 4	8 11	15 29	15 4	20 6		n.a.
T 12	21 33	20 12	3 6	25 24	1 35	25 22	1 30	12 23	2 46	15 9	1 29	19 44	2 3	3 2	0 35	13 18	1 49	32 4	8 11	15 28	15 3	20 6		n.a.
W13	21 44	19 59	3 54	25 22	1 30	25 24	1 31	12 11	2 47	15 7	1 29	19 43	2 3	3 3	0 35	13 17	1 49	32 4	8 11	15 27	15 2	20 6		n.a.
T 14	21 54	18 54	4 32	25 18	1 24	25 25	1 32	11 58	2 48	15 4	1 28	19 41	2 3	3 4	0 35	13 17	1 49	32 4	8 11	15 26	15 1	20 6		n.a.
F 15	22 3	16 58	4 58	25 12	1 19	25 26	1 33	11 46	2 49	15 2	1 28	19 40	2 3	3 5	0 35	13 17	1 49	32 4	8 11	15 24	15 0	20 6		n.a.
S 16	22 12	14 18	5 12	25 4	1 12	25 26	1 34	11 34	2 50	14 59	1 28	19 38	2 3	3 6	0 35	13 16	1 49	32 4	8 12	15 23	14 59	20 6		n.a.
S 17	22 21	10 58	5 11	24 56	1 6	25 25	1 34	11 21	2 51	14 56	1 28	19 37	2 3	3 6	0 35	13 16	1 49	32 4	8 12	15 22	14 58	20 6		n.a.
M18	22 30	7 5	4 56	24 46	0 59	25 23	1 35	11 9	2 52	14 54	1 28	19 36	2 3	3 7	0 35	13 16	1 49	32 4	8 12	15 21	14 57	20 6		n.a.
T 19	22 38	2 48	4 26	24 34	0 51	25 21	1 35	10 57	2 53	14 51	1 27	19 34	2 3	3 8	0 35	13 16	1 49	32 5	8 12	15 21	14 56	20 6		n.a.
W20	22 45	1n44	3 42	24 22	0 43	25 18	1 36	10 45	2 54	14 48	1 27	19 33	2 2	3 9	0 35	13 15	1 49	32 5	8 12	15 21	14 55	20 6		n.a.
T 21	22 53	6 20	2 43	24 8	0 35	25 14	1 36	10 33	2 55	14 45	1 27	19 31	2 2	3 10	0 35	13 15	1 49	32 5	8 12	15 22	14 54	20 6		n.a.
F 22	22 59	10 45	1 34	23 54	0 27	25 9	1 36	10 20	2 56	14 42	1 27	19 30	2 2	3 10	0 35	13 15	1 49	32 5	8 12	15 22	14 53	20 6		n.a.
S 23	23 6	14 41	0 16	23 38	0 18	25 3	1 37	10 8	2 58	14 39	1 26	19 28	2 2	3 11	0 35	13 14	1 49	32 5	8 12	15 22	14 52	20 6		n.a.
S 24	23 12	17 46	1s 4	23 22	0 8	24 57	1 37	9 57	2 59	14 36	1 26	19 27	2 2	3 12	0 35	13 14	1 49	32 5	8 13	15 22	14 50	20 6		n.a.
M25	23 18	19 42	2 22	23 5	0s 1	24 50	1 37	9 45	3 0	14 33	1 26	19 25	2 2	3 12	0 35	13 13	1 49	32 5	8 13	15 22	14 49	20 6		n.a.
T 26	23 23	20 13	3 30	22 48	0 11	24 43	1 37	9 33	3 1	14 30	1 26	19 23	2 2	3 13	0 35	13 13	1 49	32 5	8 13	15 20	14 48	20 5		n.a.
W27	23 28	19 15	4 22	22 29	0 21	24 34	1 37	9 21	3 2	14 27	1 25	19 22	2 2	3 14	0 36	13 13	1 49	32 5	8 13	15 19	14 47	20 5		n.a.
T 28	23 32	16 58	4 56	22 11	0 31	24 25	1 37	9 9	3 3	14 24	1 25	19 20	2 1	3 14	0 36	13 12	1 49	32 5	8 13	15 17	14 46	20 5		n.a.
F 29	23 36	13 37	5 10	21 52	0 41	24 15	1 36	8 58	3 4	14 21	1 25	19 19	2 1	3 15	0 36	13 12	1 49	32 6	8 13	15 15	14 45	20 5		n.a.
S 30	23n40	9n35	5s 4	21n33	0s52	24n 5	1n36	8s46	3s 5	14n18	1n25	19n17	2n 1	3n16	0s36	13n11	1n49	32s 6	8s13	15s14	14s44	20s 5		n.a.

Julian Day Number = 1110511.5, Delta T = 10h52m56s
Ecliptic obliquity = 23°53'15, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'43, Lahiri = -27°01'43 Julian Calendar 1 June 1673 BCE == Greg. Calendar 18 May 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

JULY 1673 BCE (-1672) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 38 59	23♊19'11	5♍58	20♋42	20♋23	15♓42	26♌30	12♌41	9♈27	0♍31	28°R12	10°R24	8♏52	17♐35	n.a.	S 1
M 2	17 42 56	24°16'48	19°15	21°37	21°36	16°12	26°39	12°46	9°28	0°32	28♐10	10°D22	8°49	17°42	n.a.	M 2
T 3	17 46 53	25°14'27	2♎ 7	22°29	22°49	16°43	26°48	12°52	9°30	0°33	28° 9	10♏22	8°46	17°48	n.a.	T 3
W 4	17 50 49	26°12'07	14°37	23°17	24° 2	17°13	26°57	12°57	9°31	0°34	28° 8	10°23	8°43	17°55	n.a.	W 4
T 5	17 54 46	27° 9'49	26°51	24° 2	25°15	17°42	27° 6	13° 3	9°33	0°36	28° 6	10°25	8°39	18° 2	n.a.	T 5
F 6	17 58 42	28° 7'32	8♏53	24°43	26°28	18°12	27°16	13° 9	9°34	0°37	28° 5	10°R25	8°36	18° 8	n.a.	F 6
S 7	18 2 39	29° 5'16	20°47	25°21	27°41	18°41	27°25	13°15	9°35	0°38	28° 4	10°25	8°33	18°15	n.a.	S 7
S 8	18 6 35	0♋ 3'01	2♐37	25°55	28°54	19° 9	27°35	13°20	9°36	0°39	28° 2	10°22	8°30	18°22	n.a.	S 8
M 9	18 10 32	1° 0'49	14°25	26°24	0♌ 7	19°38	27°45	13°26	9°37	0°41	28° 1	10°17	8°27	18°28	n.a.	M 9
T 10	18 14 28	1°58'38	26°16	26°49	1°19	20° 6	27°54	13°32	9°38	0°42	28° 0	10°10	8°23	18°35	n.a.	T 10
W11	18 18 25	2°56'28	8♑ 9	27°10	2°32	20°33	28° 4	13°38	9°39	0°43	27°58	10° 2	8°20	18°42	n.a.	W11
T 12	18 22 22	3°54'20	20° 8	27°25	3°45	21° 0	28°14	13°44	9°40	0°45	27°57	9°52	8°17	18°49	n.a.	T 12
F 13	18 26 18	4°52'14	2♒14	27°35	4°58	21°27	28°24	13°51	9°41	0°46	27°56	9°41	8°14	18°55	n.a.	F 13
S 14	18 30 15	5°50'10	14°27	27°R40	6°11	21°53	28°34	13°57	9°42	0°48	27°54	9°32	8°11	19° 2	n.a.	S 14
S 15	18 34 11	6°48'07	26°51	27°39	7°23	22°19	28°45	14° 3	9°43	0°49	27°53	9°24	8° 8	19° 9	n.a.	S 15
M16	18 38 8	7°46'07	9♓26	27°32	8°36	22°45	28°55	14° 9	9°44	0°51	27°52	9°18	8° 4	19°15	n.a.	M16
T 17	18 42 4	8°44'09	22°16	27°19	9°49	23°10	29° 5	14°15	9°44	0°52	27°50	9°15	8° 1	19°22	n.a.	T 17
W18	18 46 1	9°42'13	5♈23	27° 0	11° 1	23°34	29°16	14°22	9°45	0°54	27°49	9°D13	7°58	19°29	n.a.	W18
T 19	18 49 57	10°40'19	18°50	26°35	12°14	23°58	29°26	14°28	9°46	0°55	27°48	9°13	7°55	19°35	n.a.	T 19
F 20	18 53 54	11°38'27	2♉40	26° 4	13°27	24°22	29°37	14°35	9°46	0°57	27°46	9°R14	7°52	19°42	n.a.	F 20
S 21	18 57 50	12°36'37	16°53	25°27	14°39	24°45	29°48	14°41	9°47	0°58	27°45	9°14	7°49	19°49	n.a.	S 21
S 22	19 1 47	13°34'50	1♊29	24°45	15°52	25° 8	29°59	14°47	9°47	1° 0	27°44	9°12	7°45	19°55	n.a.	S 22
M23	19 5 44	14°33'04	16°23	23°57	17° 4	25°30	0♍10	14°54	9°48	1° 2	27°42	9° 8	7°42	20° 2	n.a.	M23
T 24	19 9 40	15°31'21	1♋30	23° 6	18°17	25°52	0°21	15° 1	9°48	1° 3	27°41	9° 1	7°39	20° 9	n.a.	T 24
W25	19 13 37	16°29'40	16°39	22°10	19°30	26°13	0°32	15° 7	9°48	1° 5	27°40	8°52	7°36	20°15	n.a.	W25
T 26	19 17 33	17°28'01	1♌41	21°12	20°42	26°33	0°43	15°14	9°49	1° 7	27°39	8°42	7°33	20°22	n.a.	T 26
F 27	19 21 30	18°26'24	16°25	20°13	21°54	26°53	0°54	15°21	9°49	1° 9	27°37	8°32	7°29	20°29	n.a.	F 27
S 28	19 25 26	19°24'49	0♍45	19°13	23° 7	27°13	1° 5	15°27	9°49	1°10	27°36	8°23	7°26	20°35	n.a.	S 28
S 29	19 29 23	20°23'15	14°36	18°15	24°19	27°31	1°17	15°34	9°49	1°12	27°35	8°16	7°23	20°42	n.a.	S 29
M30	19 33 19	21°21'43	27°58	17°19	25°32	27°50	1°28	15°41	9°49	1°14	27°34	8°12	7°20	20°49	n.a.	M30
T 31	19 37 16	22♋20'13	10♎53	16♋27	26♌44	28♓ 7	1♍40	15♌48	9°R49	1♍16	27♐33	8♏ 9	7♏17	20♐55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23n43	5n10	4s40	21n13	1s 3	23n53	1n36	8s35	3s 6	14n14	1n25	19n15	2n 1	3n16	0s36	13n11	1n48	32s 6	8s13	15s13	14s43	20s 5			n.a.
M 2	23 46	0 38	4 2	20 54	1 14	23 41	1 35	8 24	3 7	14 11	1 24	19 14	2 1	3 17	0 36	13 11	1 48	32 6	8 13	15 12	14 42	20 5			n.a.
T 3	23 48	3s47	3 13	20 34	1 25	23 28	1 35	8 13	3 8	14 8	1 24	19 12	2 1	3 17	0 36	13 10	1 48	32 6	8 13	15 12	14 41	20 5			n.a.
W 4	23 50	7 56	2 15	20 15	1 37	23 15	1 34	8 2	3 9	14 4	1 24	19 10	2 1	3 18	0 36	13 10	1 48	32 6	8 13	15 13	14 40	20 5			n.a.
T 5	23 51	11 40	1 13	19 56	1 48	23 1	1 34	7 51	3 10	14 1	1 24	19 8	2 1	3 18	0 36	13 9	1 48	32 6	8 14	15 13	14 39	20 5			n.a.
F 6	23 52	14 51	0 8	19 37	2 0	22 46	1 33	7 40	3 11	13 57	1 24	19 7	2 1	3 19	0 36	13 9	1 48	32 6	8 14	15 13	14 38	20 5			n.a.
S 7	23 53	17 23	0n56	19 19	2 11	22 31	1 32	7 29	3 12	13 54	1 23	19 5	2 1	3 19	0 36	13 8	1 48	32 6	8 14	15 13	14 37	20 5			n.a.
S 8	23 53	19 10	1 57	19 1	2 23	22 15	1 31	7 19	3 12	13 50	1 23	19 3	2 1	3 20	0 36	13 8	1 48	32 6	8 14	15 12	14 36	20 5			n.a.
M 9	23 53	20 6	2 53	18 44	2 34	21 58	1 30	7 8	3 13	13 47	1 23	19 1	2 0	3 20	0 36	13 7	1 48	32 6	8 14	15 11	14 35	20 4			n.a.
T 10	23 52	20 9	3 41	18 28	2 46	21 41	1 29	6 58	3 14	13 43	1 23	18 59	2 0	3 20	0 36	13 7	1 48	32 6	8 14	15 9	14 34	20 4			n.a.
W11	23 51	19 18	4 20	18 14	2 57	21 23	1 28	6 48	3 15	13 39	1 23	18 57	2 0	3 21	0 36	13 6	1 48	32 6	8 14	15 6	14 33	20 4			n.a.
T 12	23 50	17 36	4 48	18 0	3 8	21 5	1 27	6 37	3 16	13 36	1 22	18 56	2 0	3 21	0 36	13 5	1 48	32 6	8 14	15 3	14 32	20 4			n.a.
F 13	23 48	15 7	5 3	17 47	3 19	20 46	1 26	6 28	3 17	13 32	1 22	18 54	2 0	3 22	0 36	13 5	1 48	32 6	8 14	14 59	14 31	20 4			n.a.
S 14	23 45	11 57	5 4	17 37	3 29	20 26	1 24	6 18	3 18	13 28	1 22	18 52	2 0	3 22	0 36	13 4	1 48	32 6	8 14	14 56	14 30	20 4			n.a.
S 15	23 43	8 14	4 51	17 27	3 38	20 6	1 23	6 8	3 19	13 24	1 22	18 50	2 0	3 22	0 36	13 4	1 48	32 6	8 14	14 54	14 29	20 4			n.a.
M16	23 39	4 6	4 24	17 20	3 47	19 45	1 21	5 59	3 20	13 21	1 22	18 48	2 0	3 22	0 36	13 3	1 48	32 6	8 14	14 52	14 28	20 4			n.a.
T 17	23 36	0n17	3 44	17 14	3 56	19 24	1 20	5 49	3 21	13 17	1 22	18 46	2 0	3 23	0 36	13 3	1 48	32 6	8 14	14 51	14 27	20 4			n.a.
W18	23 31	4 47	2 51	17 11	4 3	19 2	1 18	5 40	3 21	13 13	1 21	18 44	2 0	3 23	0 36	13 2	1 48	32 6	8 14	14 50	14 26	20 3			n.a.
T 19	23 27	9 9	1 47	17 9	4 9	18 40	1 16	5 31	3 22	13 9	1 21	18 42	2 0	3 23	0 36	13 1	1 48	32 6	8 14	14 50	14 25	20 3			n.a.
F 20	23 22	13 10	0 35	17 10	4 14	18 17	1 14	5 22	3 23	13 5	1 21	18 40	2 0	3 23	0 36	13 1	1 48	32 6	8 14	14 50	14 23	20 3			n.a.
S 21	23 17	16 33	0s41	17 13	4 18	17 54	1 13	5 14	3 24	13 1	1 21	18 38	2 0	3 24	0 36	13 0	1 48	32 6	8 14	14 50	14 22	20 3			n.a.
S 22	23 11	18 57	1 56	17 19	4 20	17 30	1 11	5 5	3 25	12 57	1 21	18 36	2 0	3 24	0 36	13 0	1 48	32 6	8 14	14 50	14 21	20 3			n.a.
M23	23 5	20 7	3 4	17 27	4 20	17 6	1 9	4 57	3 25	12 53	1 21	18 34	2 0	3 24	0 36	12 59	1 48	32 6	8 14	14 48	14 20	20 3			n.a.
T 24	22 58	19 52	4 1	17 37	4 19	16 41	1 6	4 49	3 26	12 49	1 20	18 32	2 0	3 24	0 36	12 58	1 48	32 6	8 14	14 46	14 19	20 3			n.a.
W25	22 51	18 11	4 41	17 49	4 16	16 16	1 4	4 41	3 27	12 44	1 20	18 30	2 0	3 24	0 36	12 58	1 47	32 6	8 14	14 43	14 18	20 2			n.a.
T 26	22 43	15 17	5 0	18 4	4 10	15 50	1 2	4 34	3 28	12 40	1 20	18 28	1 59	3 24	0 36	12 57	1 47	32 6	8 14	14 40	14 17	20 2			n.a.
F 27	22 35	11 27	5 0	18 20	4 3	15 24	1 0	4 26	3 28	12 36	1 20	18 26	1 59	3 24	0 36	12 56	1 47	32 6	8 14	14 37	14 16	20 2			n.a.
S 28	22 27	7 3	4 40	18 37	3 54	14 58	0 57	4 19	3 29	12 32	1 20	18 24	1 59	3 24	0 36	12 56	1 47	32 6	8 14	14 34	14 15	20 2			n.a.
S 29	22 18	2 25	4 4	18 57	3 43	14 31	0 55	4 12	3 30	12 28	1 20	18 22	1 59	3 24	0 36	12 55	1 47	32 6	8 14	14 31	14 14	20 2			n.a.
M30	22 9	2s10	3 16	19 17	3 30	14 4	0 53	4 5	3 31	12 23	1 20	18 20	1 59	3 24	0 36	12 54	1 47	32 6	8 14	14 30	14 13	20 2			n.a.
T 31	22n 0	6s31	2s20	19n38	3s15	13n37	0n50	3s59	3s31	12n19	1n19	18n18	1n59	3n24	0s36	12n54	1n47	32s 6	8s14	14s29	14s12	20s 1			n.a.

Julian Day Number = 1110541.5, Delta T = 10h52m54s
Ecliptic obliquity = 23°53'15, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'39, Lahiri = -27°01'39 Julian Calendar 1 July 1673 BCE == Greg. Calendar 17 June 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

AUGUST 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 41 13	23♋18'45	23♎24	15°R40	27♌56	28♓24	1♍51	15♌54	9°R49	1♍18	27°R31	8°D 9	7♏14	21♐ 2	n.a.	W 1
T 2	19 45 9	24°17'18	5♏36	14♋59	29° 9	28°41	2° 3	16° 1	9♈49	1°19	27♐30	8°R 9	7°10	21° 9	n.a.	T 2
F 3	19 49 6	25°15'54	17°36	14°26	0♍21	28°56	2°15	16° 8	9°49	1°21	27°29	8♏ 9	7° 7	21°16	n.a.	F 3
S 4	19 53 2	26°14'31	29°28	14° 0	1°33	29°12	2°26	16°15	9°49	1°23	27°28	8° 7	7° 4	21°22	n.a.	S 4
S 5	19 56 59	27°13'10	11♐16	13°44	2°45	29°26	2°38	16°22	9°48	1°25	27°27	8° 3	7° 1	21°29	n.a.	S 5
M 6	20 0 55	28°11'51	23° 6	13°D37	3°57	29°40	2°50	16°29	9°48	1°27	27°26	7°56	6°58	21°36	n.a.	M 6
T 7	20 4 52	29°10'34	4♑59	13°40	5° 9	29°53	3° 2	16°36	9°48	1°29	27°24	7°46	6°55	21°42	n.a.	T 7
W 8	20 8 48	0♒ 9'20	17° 0	13°52	6°21	0♈ 5	3°14	16°43	9°47	1°31	27°23	7°34	6°51	21°49	n.a.	W 8
T 9	20 12 45	1° 8'07	29° 8	14°13	7°33	0°17	3°26	16°50	9°47	1°33	27°22	7°21	6°48	21°56	n.a.	T 9
F 10	20 16 41	2° 6'56	11♓26	14°44	8°45	0°28	3°38	16°57	9°46	1°35	27°21	7° 7	6°45	22° 2	n.a.	F 10
S 11	20 20 38	3° 5'48	23°53	15°24	9°57	0°39	3°50	17° 4	9°46	1°37	27°20	6°54	6°42	22° 9	n.a.	S 11
S 12	20 24 35	4° 4'42	6♓31	16°13	11° 9	0°48	4° 3	17°11	9°45	1°39	27°19	6°43	6°39	22°16	n.a.	S 12
M13	20 28 31	5° 3'38	19°19	17°10	12°21	0°57	4°15	17°18	9°45	1°41	27°18	6°34	6°35	22°22	n.a.	M13
T 14	20 32 28	6° 2'36	2♈18	18°13	13°32	1° 5	4°27	17°25	9°44	1°43	27°17	6°28	6°32	22°29	n.a.	T 14
W15	20 36 24	7° 1'37	15°31	19°24	14°44	1°12	4°40	17°33	9°43	1°45	27°16	6°26	6°29	22°36	n.a.	W15
T 16	20 40 21	8° 0'41	28°58	20°41	15°56	1°18	4°52	17°40	9°42	1°47	27°15	6°25	6°26	22°42	n.a.	T 16
F 17	20 44 17	8°59'47	12♉42	22° 3	17° 7	1°24	5° 4	17°47	9°42	1°49	27°14	6°25	6°23	22°49	n.a.	F 17
S 18	20 48 14	9°58'55	26°44	23°29	18°19	1°29	5°17	17°54	9°41	1°52	27°13	6°24	6°20	22°56	n.a.	S 18
S 19	20 52 10	10°58'06	11♊ 3	25° 0	19°31	1°33	5°29	18° 1	9°40	1°54	27°12	6°22	6°16	23° 2	n.a.	S 19
M20	20 56 7	11°57'20	25°37	26°34	20°42	1°36	5°42	18° 8	9°39	1°56	27°12	6°17	6°13	23° 9	n.a.	M20
T 21	21 0 3	12°56'36	10♋23	28°11	21°54	1°38	5°55	18°16	9°38	1°58	27°11	6° 9	6°10	23°16	n.a.	T 21
W22	21 4 0	13°55'55	25°14	29°51	23° 5	1°39	6° 7	18°23	9°37	2° 0	27°10	5°59	6° 7	23°23	n.a.	W22
T 23	21 7 57	14°55'15	10♌ 1	1♌32	24°16	1°R40	6°20	18°30	9°36	2° 2	27° 9	5°48	6° 4	23°29	n.a.	T 23
F 24	21 11 53	15°54'38	24°35	3°15	25°28	1°39	6°33	18°37	9°34	2° 4	27° 8	5°36	6° 1	23°36	n.a.	F 24
S 25	21 15 50	16°54'03	8♍50	4°59	26°39	1°38	6°46	18°44	9°33	2° 7	27° 7	5°26	5°57	23°43	n.a.	S 25
S 26	21 19 46	17°53'30	22°40	6°44	27°50	1°36	6°58	18°52	9°32	2° 9	27° 7	5°17	5°54	23°49	n.a.	S 26
M27	21 23 43	18°52'59	6♎ 3	8°29	29° 1	1°33	7°11	18°59	9°31	2°11	27° 6	5°12	5°51	23°56	n.a.	M27
T 28	21 27 39	19°52'31	19° 0	10°15	0♎12	1°29	7°24	19° 6	9°29	2°13	27° 5	5° 9	5°48	24° 3	n.a.	T 28
W29	21 31 36	20°52'04	1♏34	12° 1	1°23	1°24	7°37	19°13	9°28	2°15	27° 5	5°D 8	5°45	24° 9	n.a.	W29
T 30	21 35 32	21°51'39	13°49	13°47	2°34	1°18	7°50	19°20	9°26	2°18	27° 4	5° 8	5°41	24°16	n.a.	T 30
F 31	21 39 29	22♌51'16	25♏50	15♌33	3♎45	1♈11	8♍ 3	19♌28	9♈25	2♍20	27♐ 3	5°R 8	5♏38	24♐23	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	21n50	10s27	1s18	19n59	2s59	13n 9	0n47	3s52	3s32	12n15	1n19	18n16	1n59	3n24	0s36	12n53	1n47	32s 6	8s14	14s29	14s11	20s 1			n.a.
T 2	21 40	13 51	0 14	20 21	2 42	12 41	0 45	3 46	3 32	12 10	1 19	18 13	1 59	3 24	0 36	12 52	1 47	32 6	8 14	14 29	14 10	20 1			n.a.
F 3	21 29	16 36	0n50	20 42	2 24	12 13	0 42	3 40	3 33	12 6	1 19	18 11	1 59	3 24	0 36	12 51	1 47	32 6	8 14	14 29	14 9	20 1			n.a.
S 4	21 18	18 37	1 51	21 3	2 6	11 44	0 39	3 35	3 34	12 1	1 19	18 9	1 59	3 24	0 36	12 51	1 47	32 6	8 14	14 28	14 8	20 1			n.a.
S 5	21 6	19 49	2 46	21 23	1 47	11 15	0 36	3 29	3 34	11 57	1 19	18 7	1 59	3 24	0 36	12 50	1 47	32 5	8 14	14 27	14 7	20 0			n.a.
M 6	20 55	20 8	3 34	21 43	1 28	10 46	0 33	3 24	3 35	11 52	1 19	18 5	1 59	3 24	0 36	12 49	1 47	32 5	8 14	14 25	14 6	20 0			n.a.
T 7	20 42	19 35	4 13	22 1	1 10	10 16	0 30	3 19	3 35	11 48	1 19	18 3	1 59	3 24	0 37	12 49	1 47	32 5	8 14	14 22	14 4	20 0			n.a.
W 8	20 30	18 8	4 41	22 18	0 51	9 46	0 27	3 15	3 36	11 43	1 18	18 1	1 59	3 23	0 37	12 48	1 47	32 5	8 14	14 18	14 3	20 0			n.a.
T 9	20 17	15 52	4 57	22 33	0 34	9 16	0 24	3 11	3 36	11 39	1 18	17 58	1 59	3 23	0 37	12 47	1 47	32 5	8 14	14 13	14 2	20 0			n.a.
F 10	20 3	12 53	4 59	22 47	0 17	8 46	0 21	3 6	3 36	11 34	1 18	17 56	1 59	3 23	0 37	12 46	1 47	32 5	8 14	14 9	14 1	19 59			n.a.
S 11	19 50	9 18	4 47	22 58	0 1	8 15	0 18	3 3	3 37	11 30	1 18	17 54	1 59	3 23	0 37	12 46	1 47	32 5	8 13	14 4	14 0	19 59			n.a.
S 12	19 36	5 15	4 21	23 7	0n14	7 45	0 15	2 59	3 37	11 25	1 18	17 52	1 59	3 22	0 37	12 45	1 47	32 5	8 13	14 0	13 59	19 59			n.a.
M13	19 21	0 55	3 41	23 14	0 28	7 14	0 11	2 56	3 37	11 20	1 18	17 50	1 59	3 22	0 37	12 44	1 47	32 5	8 13	13 58	13 58	19 59			n.a.
T 14	19 7	3n31	2 50	23 18	0 41	6 43	0 8	2 53	3 38	11 16	1 18	17 47	1 59	3 22	0 37	12 43	1 47	32 5	8 13	13 56	13 57	19 58			n.a.
W15	18 52	7 53	1 48	23 20	0 53	6 12	0 5	2 50	3 38	11 11	1 18	17 45	1 59	3 22	0 37	12 42	1 47	32 5	8 13	13 55	13 56	19 58			n.a.
T 16	18 36	11 55	0 39	23 19	1 4	5 40	0 1	2 48	3 38	11 6	1 18	17 43	1 59	3 21	0 37	12 42	1 47	32 4	8 13	13 54	13 55	19 58			n.a.
F 17	18 21	15 25	0s33	23 15	1 14	5 9	0s 2	2 46	3 38	11 1	1 18	17 41	1 59	3 21	0 37	12 41	1 47	32 4	8 13	13 54	13 54	19 58			n.a.
S 18	18 5	18 5	1 45	23 9	1 22	4 37	0 6	2 44	3 38	10 57	1 17	17 38	1 59	3 21	0 37	12 40	1 47	32 4	8 13	13 54	13 53	19 57			n.a.
S 19	17 48	19 41	2 52	23 0	1 29	4 5	0 9	2 42	3 39	10 52	1 17	17 36	1 59	3 20	0 37	12 39	1 47	32 4	8 13	13 54	13 52	19 57			n.a.
M20	17 32	20 0	3 49	22 48	1 36	3 34	0 13	2 41	3 39	10 47	1 17	17 34	1 59	3 20	0 37	12 39	1 47	32 4	8 13	13 52	13 51	19 57			n.a.
T 21	17 15	18 58	4 31	22 34	1 41	3 2	0 16	2 40	3 39	10 42	1 17	17 32	1 59	3 19	0 37	12 38	1 47	32 4	8 13	13 49	13 50	19 57			n.a.
W22	16 57	16 39	4 55	22 17	1 45	2 30	0 20	2 40	3 39	10 37	1 17	17 29	1 59	3 19	0 37	12 37	1 47	32 4	8 13	13 46	13 48	19 56			n.a.
T 23	16 40	13 15	5 0	21 57	1 49	1 58	0 23	2 39	3 38	10 33	1 17	17 27	1 59	3 18	0 37	12 36	1 47	32 4	8 12	13 42	13 47	19 56			n.a.
F 24	16 22	9 6	4 45	21 36	1 51	1 25	0 27	2 39	3 38	10 28	1 17	17 25	1 59	3 18	0 37	12 35	1 47	32 4	8 12	13 38	13 46	19 56			n.a.
S 25	16 4	4 32	4 12	21 12	1 53	0 53	0 31	2 40	3 38	10 23	1 17	17 23	1 59	3 17	0 37	12 35	1 47	32 3	8 12	13 35	13 45	19 56			n.a.
S 26	15 45	0s10	3 25	20 46	1 54	0 21	0 34	2 40	3 38	10 18	1 17	17 20	1 59	3 17	0 37	12 34	1 47	32 3	8 12	13 32	13 44	19 55			n.a.
M27	15 27	4 42	2 28	20 19	1 54	0s11	0 38	2 41	3 37	10 13	1 17	17 18	2 0	3 16	0 37	12 33	1 47	32 3	8 12	13 30	13 43	19 55			n.a.
T 28	15 8	8 53	1 25	19 49	1 54	0 43	0 42	2 42	3 37	10 8	1 17	17 16	2 0	3 16	0 37	12 32	1 47	32 3	8 12	13 29	13 42	19 55			n.a.
W29	14 48	12 32	0 19	19 18	1 53	1 15	0 46	2 44	3 36	10 3	1 17	17 14	2 0	3 15	0 37	12 31	1 47	32 3	8 12	13 28	13 41	19 54			n.a.
T 30	14 29	15 33	0n46	18 46	1 51	1 48	0 49	2 46	3 36	9 58	1 16	17 11	2 0	3 15	0 37	12 31	1 47	32 3	8 12	13 28	13 40	19 54			n.a.
F 31	14n 9	17s50	1n48	18n12	1n49	2s20	0s53	2s48	3s35	9n53	1n16	17n 9	2n 0	3n14	0s37	12n30	1n47	32s 3	8s12	13s29	13s39	19s54			n.a.

Julian Day Number = 1110572.5, Delta T = 10h52m52s
Ecliptic obliquity = 23°53'15, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'35, Lahiri = -27°01'35 Julian Calendar 1 Aug. 1673 BCE == Greg. Calendar 18 July 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

SEPTEMBER 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 43 25	23♌50'55	7♐42	17♌18	4♎56	1°R 4	8♍16	19♌35	9°R23	2♍22	27°R 3	5°R 7	5♏35	24♐29	n.a.	S 1
S 2	21 47 22	24°50'36	19°32	19° 3	6° 7	0♈55	8°29	19°42	9♈22	2°24	27♐ 2	5♏ 4	5°32	24°36	n.a.	S 2
M 3	21 51 19	25°50'18	1♉23	20°48	7°17	0°46	8°42	19°49	9°20	2°26	27° 1	4°59	5°29	24°43	n.a.	M 3
T 4	21 55 15	26°50'03	13°20	22°32	8°28	0°36	8°55	19°56	9°19	2°29	27° 1	4°51	5°26	24°50	n.a.	T 4
W 5	21 59 12	27°49'50	25°27	24°16	9°38	0°25	9° 8	20° 4	9°17	2°31	27° 0	4°40	5°22	24°56	n.a.	W 5
T 6	22 3 8	28°49'39	7♒45	25°59	10°49	0°13	9°21	20°11	9°15	2°33	27° 0	4°29	5°19	25° 3	n.a.	T 6
F 7	22 7 5	29°49'29	20°16	27°42	11°59	0° 0	9°34	20°18	9°13	2°35	26°59	4°16	5°16	25°10	n.a.	F 7
S 8	22 11 1	0♍49'22	3♓ 1	29°24	13° 9	29♓47	9°48	20°25	9°12	2°38	26°59	4° 5	5°13	25°16	n.a.	S 8
S 9	22 14 58	1°49'17	15°58	1♍ 5	14°20	29°33	10° 1	20°32	9°10	2°40	26°58	3°55	5°10	25°23	n.a.	S 9
M10	22 18 54	2°49'14	29° 6	2°46	15°30	29°18	10°14	20°39	9° 8	2°42	26°58	3°48	5° 6	25°30	n.a.	M10
T 11	22 22 51	3°49'13	12♈26	4°26	16°40	29° 2	10°27	20°46	9° 6	2°44	26°58	3°43	5° 3	25°36	n.a.	T 11
W12	22 26 47	4°49'14	25°56	6° 6	17°50	28°46	10°40	20°54	9° 4	2°47	26°57	3°41	5° 0	25°43	n.a.	W12
T 13	22 30 44	5°49'18	9♉36	7°45	18°59	28°29	10°54	21° 1	9° 2	2°49	26°57	3°D41	4°57	25°50	n.a.	T 13
F 14	22 34 41	6°49'24	23°25	9°24	20° 9	28°11	11° 7	21° 8	9° 0	2°51	26°57	3°42	4°54	25°56	n.a.	F 14
S 15	22 38 37	7°49'33	7♊24	11° 2	21°19	27°52	11°20	21°15	8°58	2°53	26°56	3°R42	4°51	26° 3	n.a.	S 15
S 16	22 42 34	8°49'44	21°32	12°39	22°28	27°34	11°33	21°22	8°56	2°56	26°56	3°42	4°47	26°10	n.a.	S 16
M17	22 46 30	9°49'57	5♋49	14°16	23°38	27°14	11°47	21°29	8°54	2°58	26°56	3°39	4°44	26°17	n.a.	M17
T 18	22 50 27	10°50'12	20°11	15°53	24°47	26°54	12° 0	21°36	8°52	3° 0	26°56	3°34	4°41	26°23	n.a.	T 18
W19	22 54 23	11°50'30	4♌35	17°29	25°57	26°33	12°13	21°43	8°50	3° 2	26°56	3°27	4°38	26°30	n.a.	W19
T 20	22 58 20	12°50'50	18°55	19° 4	27° 6	26°13	12°26	21°49	8°47	3° 4	26°56	3°18	4°35	26°37	n.a.	T 20
F 21	23 2 16	13°51'11	3♍ 6	20°39	28°15	25°51	12°40	21°56	8°45	3° 7	26°55	3°10	4°32	26°43	n.a.	F 21
S 22	23 6 13	14°51'35	17° 2	22°14	29°24	25°30	12°53	22° 3	8°43	3° 9	26°55	3° 2	4°28	26°50	n.a.	S 22
S 23	23 10 10	15°52'01	0♎39	23°48	0♏33	25° 8	13° 6	22°10	8°41	3°11	26°55	2°56	4°25	26°57	n.a.	S 23
M24	23 14 6	16°52'28	13°54	25°22	1°41	24°46	13°19	22°17	8°38	3°13	26°55	2°52	4°22	27° 3	n.a.	M24
T 25	23 18 3	17°52'57	26°48	26°55	2°50	24°23	13°33	22°24	8°36	3°16	26°D55	2°D50	4°19	27°10	n.a.	T 25
W26	23 21 59	18°53'27	9♏22	28°28	3°58	24° 1	13°46	22°30	8°34	3°18	26°55	2°50	4°16	27°17	n.a.	W26
T 27	23 25 56	19°54'00	21°38	0♎ 1	5° 7	23°39	13°59	22°37	8°31	3°20	26°55	2°51	4°12	27°23	n.a.	T 27
F 28	23 29 52	20°54'33	3♐40	1°33	6°15	23°16	14°12	22°44	8°29	3°22	26°55	2°53	4° 9	27°30	n.a.	F 28
S 29	23 33 49	21°55'09	15°35	3° 5	7°23	22°54	14°26	22°50	8°27	3°24	26°56	2°54	4° 6	27°37	n.a.	S 29
S 30	23 37 45	22♍55'45	27♐25	4♎37	8♏31	22♓32	14♍39	22♌57	8♈24	3♍26	26♐56	2°R54	4♏ 3	27♐44	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n49	19s18	2n44	17n37	1n46	2s52	0s57	2s50	3s35	9n48	1n16	17n 7	2n 0	3n13	0s37	12n29	1n47	32s 3	8s11	13s28	13s38	19s53		n.a.
S 2	13 29	19 56	3 33	17 1	1 43	3 24	1 1	2 53	3 34	9 43	1 16	17 4	2 0	3 13	0 37	12 28	1 47	32 2	8 11	13 27	13 37	19 53		n.a.
M 3	13 9	19 40	4 13	16 24	1 40	3 56	1 5	2 56	3 33	9 38	1 16	17 2	2 0	3 12	0 37	12 27	1 47	32 2	8 11	13 25	13 36	19 53		n.a.
T 4	12 48	18 32	4 42	15 46	1 36	4 28	1 8	2 59	3 32	9 33	1 16	17 0	2 0	3 11	0 37	12 26	1 47	32 2	8 11	13 23	13 35	19 53		n.a.
W 5	12 27	16 33	4 59	15 7	1 32	4 59	1 12	3 3	3 31	9 28	1 16	16 58	2 0	3 11	0 37	12 26	1 47	32 2	8 11	13 19	13 33	19 52		n.a.
T 6	12 6	13 49	5 2	14 28	1 28	5 31	1 16	3 7	3 30	9 23	1 16	16 55	2 0	3 10	0 37	12 25	1 47	32 2	8 11	13 15	13 32	19 52		n.a.
F 7	11 45	10 24	4 51	13 47	1 23	6 3	1 20	3 11	3 29	9 18	1 16	16 53	2 0	3 9	0 37	12 24	1 47	32 2	8 11	13 11	13 31	19 52		n.a.
S 8	11 23	6 28	4 26	13 6	1 18	6 34	1 23	3 15	3 27	9 13	1 16	16 51	2 0	3 9	0 37	12 23	1 47	32 2	8 11	13 7	13 30	19 51		n.a.
S 9	11 1	2 11	3 46	12 25	1 13	7 5	1 27	3 19	3 26	9 7	1 16	16 49	2 0	3 8	0 37	12 22	1 47	32 1	8 10	13 4	13 29	19 51		n.a.
M10	10 40	2n17	2 54	11 43	1 7	7 36	1 31	3 24	3 25	9 2	1 16	16 46	2 0	3 7	0 37	12 21	1 47	32 1	8 10	13 1	13 28	19 51		n.a.
T 11	10 17	6 42	1 51	11 1	1 2	8 7	1 35	3 29	3 23	8 57	1 16	16 44	2 1	3 6	0 37	12 21	1 47	32 1	8 10	12 59	13 27	19 50		n.a.
W12	9 55	10 50	0 41	10 18	0 56	8 38	1 38	3 34	3 22	8 52	1 16	16 42	2 1	3 5	0 37	12 20	1 47	32 1	8 10	12 59	13 26	19 50		n.a.
T 13	9 33	14 27	0s32	9 35	0 50	9 8	1 42	3 40	3 20	8 47	1 16	16 40	2 1	3 5	0 37	12 19	1 47	32 1	8 10	12 59	13 25	19 50		n.a.
F 14	9 10	17 18	1 44	8 52	0 44	9 39	1 46	3 45	3 18	8 42	1 16	16 38	2 1	3 4	0 37	12 18	1 47	32 1	8 10	12 59	13 24	19 49		n.a.
S 15	8 47	19 9	2 51	8 9	0 38	10 9	1 49	3 51	3 16	8 37	1 16	16 35	2 1	3 3	0 37	12 17	1 47	32 0	8 10	12 59	13 23	19 49		n.a.
S 16	8 25	19 49	3 48	7 25	0 31	10 39	1 53	3 57	3 14	8 32	1 16	16 33	2 1	3 2	0 37	12 17	1 47	32 0	8 9	12 59	13 22	19 49		n.a.
M17	8 2	19 14	4 31	6 41	0 25	11 9	1 57	4 3	3 12	8 26	1 16	16 31	2 1	3 1	0 37	12 16	1 47	32 0	8 9	12 58	13 20	19 48		n.a.
T 18	7 38	17 25	4 58	5 57	0 19	11 38	2 0	4 9	3 10	8 21	1 16	16 29	2 1	3 0	0 37	12 15	1 47	32 0	8 9	12 56	13 19	19 48		n.a.
W19	7 15	14 31	5 6	5 13	0 12	12 7	2 4	4 15	3 8	8 16	1 16	16 26	2 1	3 0	0 37	12 14	1 47	32 0	8 9	12 54	13 18	19 47		n.a.
T 20	6 52	10 46	4 55	4 29	0 6	12 36	2 7	4 22	3 5	8 11	1 16	16 24	2 1	2 59	0 37	12 13	1 47	32 0	8 9	12 51	13 17	19 47		n.a.
F 21	6 28	6 26	4 26	3 45	0s 1	13 4	2 11	4 28	3 3	8 6	1 16	16 22	2 2	2 58	0 37	12 13	1 47	32 0	8 9	12 48	13 16	19 47		n.a.
S 22	6 4	1 50	3 41	3 1	0 7	13 33	2 14	4 35	3 1	8 0	1 16	16 20	2 2	2 57	0 37	12 12	1 47	31 59	8 8	12 45	13 15	19 46		n.a.
S 23	5 40	2s46	2 45	2 18	0 14	14 1	2 17	4 41	2 58	7 55	1 16	16 18	2 2	2 56	0 37	12 11	1 47	31 59	8 8	12 43	13 14	19 46		n.a.
M24	5 17	7 7	1 41	1 34	0 21	14 28	2 20	4 48	2 55	7 50	1 16	16 16	2 2	2 55	0 37	12 10	1 47	31 59	8 8	12 42	13 13	19 46		n.a.
T 25	4 53	11 2	0 33	0 50	0 27	14 56	2 24	4 54	2 53	7 45	1 16	16 13	2 2	2 54	0 37	12 9	1 47	31 59	8 8	12 41	13 12	19 45		n.a.
W26	4 28	14 19	0n35	0 6	0 34	15 22	2 27	5 0	2 50	7 40	1 16	16 11	2 2	2 53	0 37	12 9	1 47	31 59	8 8	12 41	13 11	19 45		n.a.
T 27	4 4	16 54	1 40	0s37	0 40	15 49	2 30	5 7	2 47	7 34	1 16	16 9	2 2	2 52	0 37	12 8	1 47	31 59	8 8	12 41	13 10	19 44		n.a.
F 28	3 40	18 40	2 40	1 20	0 47	16 15	2 33	5 13	2 44	7 29	1 16	16 7	2 2	2 51	0 37	12 7	1 47	31 58	8 8	12 42	13 8	19 44		n.a.
S 29	3 16	19 35	3 31	2 3	0 53	16 41	2 36	5 19	2 41	7 24	1 16	16 5	2 3	2 50	0 37	12 6	1 47	31 58	8 7	12 42	13 7	19 44		n.a.
S 30	2n51	19s38	4n14	2s46	0s59	17s 6	2s39	5s26	2s38	7n19	1n16	16n 3	2n 3	2n49	0s37	12n 5	1n47	31s58	8s 7	12s42	13s 6	19s43		n.a.

Julian Day Number = 1110603.5, Delta T = 10h52m50s
Ecliptic obliquity = 23°53'15, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'31, Lahiri = -27°01'30 Julian Calendar 1 Sept. 1673 BCE == Greg. Calendar 18 Aug. 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

OCTOBER 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 41 42	23♍56'23	9♉17	6♎ 8	9♏38	22°R 9	14♍52	23♌ 3	8°R22	3♍29	26♐56	2°R53	4♏ 0	27♐50	n.a.	M 1
T 2	23 45 38	24°57'03	21°16	7°39	10°46	21♓48	15° 5	23°10	8♈20	3°31	26°56	2♏50	3°57	27°57	n.a.	T 2
W 3	23 49 35	25°57'44	3♒26	9°10	11°53	21°26	15°18	23°16	8°17	3°33	26°56	2°45	3°53	28° 4	n.a.	W 3
T 4	23 53 32	26°58'26	15°50	10°40	13° 1	21° 5	15°31	23°23	8°15	3°35	26°56	2°39	3°50	28°10	n.a.	T 4
F 5	23 57 28	27°59'10	28°30	12°10	14° 8	20°44	15°45	23°29	8°12	3°37	26°57	2°33	3°47	28°17	n.a.	F 5
S 6	0 1 25	28°59'55	11♓29	13°39	15°15	20°23	15°58	23°36	8°10	3°39	26°57	2°27	3°44	28°24	n.a.	S 6
S 7	0 5 21	0♎ 0'41	24°45	15° 8	16°21	20° 3	16°11	23°42	8° 7	3°41	26°57	2°22	3°41	28°30	n.a.	S 7
M 8	0 9 18	1° 1'29	8♈17	16°37	17°28	19°43	16°24	23°48	8° 5	3°43	26°58	2°18	3°38	28°37	n.a.	M 8
T 9	0 13 14	2° 2'18	22° 2	18° 5	18°34	19°24	16°37	23°54	8° 2	3°45	26°58	2°16	3°34	28°44	n.a.	T 9
W10	0 17 11	3° 3'09	5♉59	19°33	19°40	19° 5	16°50	24° 0	8° 0	3°47	26°59	2°D16	3°31	28°51	n.a.	W10
T 11	0 21 7	4° 4'02	20° 3	21° 0	20°46	18°47	17° 3	24° 7	7°57	3°49	26°59	2°17	3°28	28°57	n.a.	T 11
F 12	0 25 4	5° 4'56	4♊12	22°26	21°52	18°29	17°16	24°13	7°55	3°51	26°59	2°18	3°25	29° 4	n.a.	F 12
S 13	0 29 1	6° 5'52	18°23	23°52	22°57	18°13	17°29	24°19	7°52	3°53	27° 0	2°20	3°22	29°11	n.a.	S 13
S 14	0 32 57	7° 6'49	2♋34	25°17	24° 2	17°56	17°42	24°25	7°50	3°55	27° 0	2°R20	3°18	29°17	n.a.	S 14
M15	0 36 54	8° 7'48	16°43	26°41	25° 7	17°41	17°55	24°30	7°47	3°57	27° 1	2°20	3°15	29°24	n.a.	M15
T 16	0 40 50	9° 8'49	0♌48	28° 5	26°12	17°26	18° 8	24°36	7°44	3°59	27° 2	2°19	3°12	29°31	n.a.	T 16
W17	0 44 47	10° 9'51	14°48	29°27	27°16	17°12	18°20	24°42	7°42	4° 1	27° 2	2°17	3° 9	29°37	n.a.	W17
T 18	0 48 43	11°10'54	28°40	0♏47	28°21	16°59	18°33	24°48	7°39	4° 3	27° 3	2°14	3° 6	29°44	n.a.	T 18
F 19	0 52 40	12°11'59	12♍21	2° 7	29°25	16°46	18°46	24°53	7°37	4° 5	27° 3	2°10	3° 3	29°51	n.a.	F 19
S 20	0 56 36	13°13'05	25°50	3°24	0♐28	16°34	18°59	24°59	7°34	4° 7	27° 4	2° 8	2°59	29°58	n.a.	S 20
S 21	1 0 33	14°14'12	9♎ 4	4°40	1°32	16°23	19°11	25° 5	7°32	4° 8	27° 5	2° 6	2°56	0♑ 4	n.a.	S 21
M22	1 4 30	15°15'20	22° 3	5°53	2°35	16°13	19°24	25°10	7°29	4°10	27° 6	2° 4	2°53	0°11	n.a.	M22
T 23	1 8 26	16°16'29	4♏45	7° 4	3°37	16° 4	19°36	25°16	7°27	4°12	27° 6	2°D 4	2°50	0°18	n.a.	T 23
W24	1 12 23	17°17'39	17°12	8°12	4°40	15°55	19°49	25°21	7°24	4°14	27° 7	2° 5	2°47	0°24	n.a.	W24
T 25	1 16 19	18°18'50	29°26	9°16	5°42	15°47	20° 2	25°26	7°22	4°15	27° 8	2° 6	2°43	0°31	n.a.	T 25
F 26	1 20 16	19°20'01	11♐28	10°16	6°43	15°40	20°14	25°31	7°19	4°17	27° 9	2° 7	2°40	0°38	n.a.	F 26
S 27	1 24 12	20°21'13	23°22	11°12	7°45	15°34	20°26	25°36	7°17	4°19	27°10	2° 8	2°37	0°44	n.a.	S 27
S 28	1 28 9	21°22'26	5♑13	12° 2	8°46	15°29	20°39	25°42	7°15	4°21	27°10	2° 9	2°34	0°51	n.a.	S 28
M29	1 32 5	22°23'39	17° 5	12°47	9°46	15°25	20°51	25°47	7°12	4°22	27°11	2°R10	2°31	0°58	n.a.	M29
T 30	1 36 2	23°24'53	29° 3	13°24	10°46	15°21	21° 3	25°51	7°10	4°24	27°12	2°10	2°28	1° 5	n.a.	T 30
W31	1 39 59	24♎26'06	11♒11	13♏54	11♐46	15♓19	21♍15	25♌56	7♈ 7	4♍25	27♐13	2♏ 9	2♏24	1♑11	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	2n27	18s49	4n45	3s29	1s 6	17s31	2s42	5s32	2s35	7n14	1n16	16n 1	2n 3	2n48	0s37	12n 5	1n47	31s58	8s 7	12s42	13s 5	19s43			n.a.
T 2	2 3	17 9	5 5	4 11	1 12	17 56	2 44	5 38	2 31	7 9	1 16	15 59	2 3	2 47	0 37	12 4	1 47	31 58	8 7	12 41	13 4	19 42			n.a.
W 3	1 38	14 43	5 11	4 53	1 18	18 20	2 47	5 43	2 28	7 3	1 16	15 57	2 3	2 46	0 37	12 3	1 47	31 58	8 7	12 39	13 3	19 42			n.a.
T 4	1 14	11 34	5 3	5 34	1 24	18 43	2 50	5 49	2 25	6 58	1 16	15 55	2 3	2 46	0 37	12 2	1 47	31 58	8 7	12 37	13 2	19 41			n.a.
F 5	0 49	7 51	4 40	6 15	1 29	19 7	2 52	5 54	2 22	6 53	1 16	15 53	2 3	2 45	0 37	12 2	1 47	31 57	8 6	12 35	13 1	19 41			n.a.
S 6	0 24	3 40	4 2	6 56	1 35	19 29	2 55	6 0	2 18	6 48	1 16	15 51	2 4	2 44	0 37	12 1	1 47	31 57	8 6	12 33	13 0	19 41			n.a.
S 7	0s 0	0n47	3 11	7 36	1 40	19 51	2 57	6 5	2 15	6 43	1 16	15 49	2 4	2 43	0 37	12 0	1 47	31 57	8 6	12 31	12 59	19 40			n.a.
M 8	0 25	5 17	2 8	8 16	1 46	20 13	2 59	6 9	2 12	6 38	1 16	15 47	2 4	2 42	0 37	11 59	1 47	31 57	8 6	12 30	12 57	19 40			n.a.
T 9	0 50	9 36	0 56	8 55	1 51	20 34	3 1	6 14	2 8	6 32	1 16	15 45	2 4	2 41	0 37	11 59	1 47	31 57	8 6	12 29	12 56	19 39			n.a.
W10	1 14	13 27	0s20	9 34	1 55	20 55	3 3	6 18	2 5	6 27	1 16	15 43	2 4	2 40	0 37	11 58	1 47	31 57	8 6	12 29	12 55	19 39			n.a.
T 11	1 39	16 33	1 36	10 11	2 0	21 15	3 5	6 22	2 1	6 22	1 16	15 41	2 4	2 39	0 37	11 57	1 47	31 57	8 6	12 29	12 54	19 38			n.a.
F 12	2 3	18 39	2 46	10 48	2 4	21 35	3 7	6 26	1 58	6 17	1 16	15 39	2 5	2 37	0 37	11 57	1 48	31 56	8 5	12 30	12 53	19 38			n.a.
S 13	2 28	19 36	3 47	11 25	2 8	21 54	3 9	6 30	1 54	6 12	1 16	15 37	2 5	2 36	0 37	11 56	1 48	31 56	8 5	12 30	12 52	19 37			n.a.
S 14	2 52	19 18	4 33	12 0	2 12	22 12	3 11	6 33	1 51	6 7	1 16	15 35	2 5	2 35	0 37	11 55	1 48	31 56	8 5	12 31	12 51	19 37			n.a.
M15	3 17	17 48	5 3	12 35	2 15	22 30	3 12	6 36	1 48	6 2	1 16	15 34	2 5	2 34	0 37	11 55	1 48	31 56	8 5	12 31	12 50	19 37			n.a.
T 16	3 41	15 14	5 15	13 8	2 18	22 47	3 13	6 39	1 44	5 57	1 16	15 32	2 5	2 33	0 37	11 54	1 48	31 56	8 5	12 30	12 49	19 36			n.a.
W17	4 6	11 48	5 7	13 40	2 21	23 4	3 15	6 41	1 41	5 52	1 16	15 30	2 5	2 32	0 37	11 53	1 48	31 56	8 5	12 29	12 48	19 36			n.a.
T 18	4 30	7 45	4 42	14 11	2 23	23 20	3 16	6 44	1 37	5 47	1 16	15 28	2 6	2 31	0 37	11 53	1 48	31 56	8 4	12 28	12 46	19 35			n.a.
F 19	4 55	3 21	4 1	14 41	2 25	23 36	3 17	6 46	1 34	5 42	1 16	15 26	2 6	2 30	0 37	11 52	1 48	31 55	8 4	12 27	12 45	19 35			n.a.
S 20	5 19	1s10	3 7	15 10	2 26	23 51	3 18	6 47	1 31	5 37	1 16	15 25	2 6	2 29	0 37	11 51	1 48	31 55	8 4	12 26	12 44	19 34			n.a.
S 21	5 43	5 33	2 4	15 36	2 26	24 5	3 18	6 48	1 27	5 32	1 17	15 23	2 6	2 28	0 37	11 51	1 48	31 55	8 4	12 25	12 43	19 34			n.a.
M22	6 7	9 36	0 55	16 1	2 26	24 19	3 19	6 49	1 24	5 27	1 17	15 21	2 6	2 27	0 37	11 50	1 48	31 55	8 4	12 25	12 42	19 33			n.a.
T 23	6 31	13 7	0n15	16 25	2 25	24 32	3 19	6 50	1 21	5 22	1 17	15 19	2 7	2 26	0 37	11 49	1 48	31 55	8 4	12 25	12 41	19 33			n.a.
W24	6 55	15 58	1 23	16 46	2 24	24 44	3 20	6 51	1 18	5 17	1 17	15 18	2 7	2 25	0 37	11 49	1 48	31 55	8 4	12 25	12 40	19 32			n.a.
T 25	7 19	18 2	2 26	17 5	2 21	24 56	3 20	6 51	1 14	5 12	1 17	15 16	2 7	2 24	0 37	11 48	1 48	31 55	8 3	12 25	12 39	19 32			n.a.
F 26	7 42	19 15	3 21	17 21	2 18	25 7	3 20	6 51	1 11	5 7	1 17	15 15	2 7	2 24	0 37	11 48	1 48	31 55	8 3	12 26	12 38	19 31			n.a.
S 27	8 6	19 36	4 8	17 35	2 14	25 18	3 20	6 50	1 8	5 2	1 17	15 13	2 7	2 23	0 37	11 47	1 48	31 54	8 3	12 26	12 36	19 31			n.a.
S 28	8 29	19 4	4 43	17 46	2 8	25 27	3 19	6 49	1 5	4 57	1 17	15 11	2 8	2 22	0 37	11 46	1 48	31 54	8 3	12 27	12 35	19 30			n.a.
M29	8 52	17 42	5 6	17 53	2 2	25 36	3 19	6 48	1 2	4 52	1 17	15 10	2 8	2 21	0 37	11 46	1 48	31 54	8 3	12 27	12 34	19 30			n.a.
T 30	9 16	15 34	5 17	17 58	1 54	25 45	3 18	6 47	0 59	4 47	1 17	15 8	2 8	2 20	0 37	11 45	1 48	31 54	8 3	12 27	12 33	19 29			n.a.
W31	9s39	12s44	5n13	17s58	1s45	25s53	3s17	6s45	0s56	4n43	1n17	15n 7	2n 8	2n19	0s37	11n45	1n48	31s54	8s 3	12s27	12s32	19s29			n.a.

Julian Day Number = 1110633.5, Delta T = 10h52m48s
Ecliptic obliquity = 23°53'15, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'27, Lahiri = -27°01'26 Julian Calendar 1 Oct. 1673 BCE == Greg. Calendar 17 Sept. 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

NOVEMBER 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 43 55	25♎27'21	23♒34	14♏16	12♐45	15°R17	21♍27	26♌ 1	7°R 5	4♍27	27♐14	2°R 9	2♏21	1♉18	n.a.	T 1
F 2	1 47 52	26°28'35	6♓15	14°28	13°44	15♓16	21°40	26° 6	7♈ 3	4°29	27°15	2♏ 8	2°18	1°25	n.a.	F 2
S 3	1 51 48	27°29'50	19°19	14°R30	14°42	15°D15	21°52	26°10	7° 0	4°30	27°16	2° 7	2°15	1°31	n.a.	S 3
S 4	1 55 45	28°31'05	2♈45	14°21	15°40	15°16	22° 3	26°15	6°58	4°32	27°17	2° 7	2°12	1°38	n.a.	S 4
M 5	1 59 41	29°32'21	16°33	14° 0	16°37	15°17	22°15	26°20	6°56	4°33	27°18	2° 6	2° 9	1°45	n.a.	M 5
T 6	2 3 38	0♏33'37	0♉42	13°28	17°34	15°19	22°27	26°24	6°53	4°35	27°20	2°D 6	2° 5	1°51	n.a.	T 6
W 7	2 7 34	1°34'53	15° 6	12°45	18°30	15°22	22°39	26°28	6°51	4°36	27°21	2° 6	2° 2	1°58	n.a.	W 7
T 8	2 11 31	2°36'10	29°40	11°50	19°26	15°25	22°51	26°32	6°49	4°37	27°22	2°R 6	1°59	2° 5	n.a.	T 8
F 9	2 15 28	3°37'28	14♊18	10°46	20°21	15°30	23° 2	26°37	6°47	4°39	27°23	2° 6	1°56	2°12	n.a.	F 9
S 10	2 19 24	4°38'45	28°54	9°34	21°15	15°35	23°14	26°41	6°45	4°40	27°24	2° 6	1°53	2°18	n.a.	S 10
S 11	2 23 21	5°40'04	13♋22	8°15	22° 9	15°40	23°25	26°45	6°42	4°41	27°25	2° 6	1°49	2°25	n.a.	S 11
M12	2 27 17	6°41'23	27°38	6°54	23° 1	15°47	23°37	26°49	6°40	4°43	27°27	2° 6	1°46	2°32	n.a.	M12
T 13	2 31 14	7°42'42	11♌41	5°32	23°54	15°54	23°48	26°52	6°38	4°44	27°28	2°D 5	1°43	2°38	n.a.	T 13
W14	2 35 10	8°44'02	25°28	4°12	24°45	16° 2	23°59	26°56	6°36	4°45	27°29	2° 6	1°40	2°45	n.a.	W14
T 15	2 39 7	9°45'21	9♍ 0	2°56	25°36	16°10	24°10	27° 0	6°34	4°46	27°30	2° 6	1°37	2°52	n.a.	T 15
F 16	2 43 4	10°46'42	22°17	1°48	26°26	16°19	24°21	27° 3	6°32	4°48	27°32	2° 7	1°34	2°59	n.a.	F 16
S 17	2 47 0	11°48'02	5♎20	0°48	27°15	16°29	24°32	27° 7	6°30	4°49	27°33	2° 8	1°30	3° 5	n.a.	S 17
S 18	2 50 57	12°49'23	18° 9	29♎57	28° 3	16°39	24°43	27°10	6°28	4°50	27°34	2° 9	1°27	3°12	n.a.	S 18
M19	2 54 53	13°50'43	0♏47	29°17	28°51	16°50	24°54	27°14	6°27	4°51	27°36	2°R 9	1°24	3°19	n.a.	M19
T 20	2 58 50	14°52'04	13°13	28°47	29°37	17° 1	25° 5	27°17	6°25	4°52	27°37	2° 9	1°21	3°25	n.a.	T 20
W21	3 2 46	15°53'24	25°28	28°27	0♑22	17°14	25°15	27°20	6°23	4°53	27°38	2° 8	1°18	3°32	n.a.	W21
T 22	3 6 43	16°54'44	7♐35	28°18	1° 7	17°26	25°26	27°23	6°21	4°54	27°40	2° 6	1°14	3°39	n.a.	T 22
F 23	3 10 39	17°56'04	19°33	28°D17	1°50	17°39	25°36	27°26	6°19	4°55	27°41	2° 4	1°11	3°45	n.a.	F 23
S 24	3 14 36	18°57'23	1♑27	28°26	2°32	17°53	25°47	27°29	6°18	4°56	27°43	2° 1	1° 8	3°52	n.a.	S 24
S 25	3 18 33	19°58'42	13°17	28°42	3°13	18° 8	25°57	27°31	6°16	4°57	27°44	1°58	1° 5	3°59	n.a.	S 25
M26	3 22 29	21° 0'00	25° 8	29° 6	3°53	18°23	26° 7	27°34	6°14	4°58	27°46	1°56	1° 2	4° 6	n.a.	M26
T 27	3 26 26	22° 1'18	7♒ 4	29°36	4°32	18°38	26°17	27°36	6°13	4°58	27°47	1°54	0°59	4°12	n.a.	T 27
W28	3 30 22	23° 2'34	19° 9	0♏13	5° 9	18°54	26°27	27°39	6°11	4°59	27°49	1°D53	0°55	4°19	n.a.	W28
T 29	3 34 19	24° 3'50	1♓27	0°54	5°45	19°10	26°37	27°41	6°10	5° 0	27°50	1°53	0°52	4°26	n.a.	T 29
F 30	3 38 15	25♏ 5'05	14♓ 3	1♏41	6♑20	19♓27	26♍47	27♌43	6♈ 8	5♍ 1	27♐52	1♏54	0♏49	4♑32	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10s 1	9s16	4n55	17s55	1s34	26s 0	3s16	6s43	0s53	4n38	1n17	15n 5	2n 9	2n18	0s37	11n44	1n48	31s54	8s 3	12s27	12s31	19s28		n.a.
F 2	10 24	5 19	4 23	17 47	1 22	26 6	3 15	6 41	0 50	4 33	1 17	15 4	2 9	2 17	0 37	11 44	1 48	31 54	8 2	12 26	12 30	19 28		n.a.
S 3	10 47	1 0	3 36	17 35	1 9	26 12	3 14	6 39	0 48	4 28	1 18	15 3	2 9	2 16	0 37	11 43	1 49	31 54	8 2	12 26	12 29	19 27		n.a.
S 4	11 9	3n29	2 36	17 18	0 54	26 17	3 12	6 36	0 45	4 24	1 18	15 1	2 9	2 15	0 37	11 43	1 49	31 54	8 2	12 26	12 28	19 27		n.a.
M 5	11 31	7 56	1 25	16 56	0 37	26 22	3 11	6 33	0 42	4 19	1 18	15 0	2 9	2 14	0 37	11 42	1 49	31 53	8 2	12 26	12 26	19 26		n.a.
T 6	11 53	12 3	0 8	16 29	0 19	26 26	3 9	6 30	0 40	4 14	1 18	14 59	2 10	2 13	0 37	11 42	1 49	31 53	8 2	12 26	12 25	19 26		n.a.
W 7	12 15	15 32	1s12	15 57	0 0	26 29	3 7	6 26	0 37	4 10	1 18	14 57	2 10	2 12	0 37	11 41	1 49	31 53	8 2	12 26	12 24	19 25		n.a.
T 8	12 36	18 4	2 27	15 22	0n19	26 31	3 4	6 23	0 34	4 5	1 18	14 56	2 10	2 11	0 37	11 41	1 49	31 53	8 2	12 26	12 23	19 24		n.a.
F 9	12 57	19 25	3 34	14 42	0 40	26 33	3 2	6 19	0 32	4 0	1 18	14 55	2 10	2 11	0 37	11 40	1 49	31 53	8 2	12 26	12 22	19 24		n.a.
S 10	13 19	19 27	4 26	14 0	1 0	26 34	2 59	6 14	0 29	3 56	1 18	14 54	2 11	2 10	0 37	11 40	1 49	31 53	8 1	12 26	12 21	19 23		n.a.
S 11	13 39	18 13	5 1	13 15	1 20	26 35	2 56	6 10	0 27	3 51	1 18	14 53	2 11	2 9	0 37	11 39	1 49	31 53	8 1	12 25	12 20	19 23		n.a.
M12	14 0	15 51	5 17	12 31	1 39	26 35	2 53	6 5	0 25	3 47	1 19	14 51	2 11	2 8	0 37	11 39	1 49	31 53	8 1	12 25	12 19	19 22		n.a.
T 13	14 20	12 36	5 13	11 46	1 57	26 34	2 49	6 0	0 22	3 42	1 19	14 50	2 11	2 7	0 37	11 38	1 49	31 53	8 1	12 25	12 18	19 22		n.a.
W14	14 41	8 42	4 52	11 4	2 13	26 33	2 46	5 55	0 20	3 38	1 19	14 49	2 12	2 6	0 37	11 38	1 49	31 53	8 1	12 25	12 16	19 21		n.a.
T 15	15 1	4 26	4 14	10 25	2 27	26 31	2 42	5 50	0 18	3 34	1 19	14 48	2 12	2 6	0 37	11 38	1 49	31 53	8 1	12 26	12 15	19 21		n.a.
F 16	15 20	0 1	3 24	9 51	2 39	26 28	2 38	5 44	0 16	3 29	1 19	14 47	2 12	2 5	0 37	11 37	1 49	31 53	8 1	12 26	12 14	19 20		n.a.
S 17	15 40	4s20	2 23	9 21	2 48	26 25	2 33	5 38	0 14	3 25	1 19	14 46	2 12	2 4	0 37	11 37	1 49	31 53	8 1	12 26	12 13	19 19		n.a.
S 18	15 59	8 26	1 17	8 56	2 55	26 21	2 29	5 32	0 11	3 21	1 19	14 45	2 13	2 3	0 37	11 37	1 49	31 52	8 1	12 27	12 12	19 19		n.a.
M19	16 17	12 5	0 8	8 37	3 0	26 17	2 24	5 26	0 9	3 16	1 19	14 44	2 13	2 3	0 37	11 36	1 49	31 52	8 1	12 27	12 11	19 18		n.a.
T 20	16 36	15 8	1n 1	8 24	3 3	26 12	2 19	5 20	0 7	3 12	1 20	14 43	2 13	2 2	0 37	11 36	1 50	31 52	8 1	12 27	12 10	19 18		n.a.
W21	16 54	17 27	2 6	8 15	3 5	26 6	2 13	5 13	0 5	3 8	1 20	14 43	2 13	2 1	0 37	11 36	1 50	31 52	8 0	12 26	12 9	19 17		n.a.
T 22	17 12	18 58	3 4	8 12	3 4	26 0	2 7	5 6	0 3	3 4	1 20	14 42	2 14	2 1	0 37	11 35	1 50	31 52	8 0	12 26	12 7	19 17		n.a.
F 23	17 30	19 36	3 53	8 14	3 3	25 54	2 1	4 59	0 2	3 0	1 20	14 41	2 14	2 0	0 37	11 35	1 50	31 52	8 0	12 25	12 6	19 16		n.a.
S 24	17 47	19 21	4 32	8 19	3 0	25 47	1 55	4 52	0n 0	2 56	1 20	14 40	2 14	1 59	0 37	11 35	1 50	31 52	8 0	12 24	12 5	19 15		n.a.
S 25	18 4	18 15	4 59	8 29	2 56	25 39	1 49	4 45	0 2	2 52	1 20	14 40	2 15	1 59	0 37	11 34	1 50	31 52	8 0	12 23	12 4	19 15		n.a.
M26	18 21	16 22	5 13	8 42	2 51	25 31	1 42	4 37	0 4	2 48	1 20	14 39	2 15	1 58	0 36	11 34	1 50	31 52	8 0	12 22	12 3	19 14		n.a.
T 27	18 37	13 47	5 14	8 58	2 45	25 23	1 34	4 29	0 6	2 44	1 21	14 38	2 15	1 57	0 36	11 34	1 50	31 52	8 0	12 21	12 2	19 13		n.a.
W28	18 53	10 36	5 1	9 17	2 39	25 14	1 27	4 22	0 7	2 40	1 21	14 38	2 15	1 57	0 36	11 34	1 50	31 52	8 0	12 21	12 1	19 13		n.a.
T 29	19 8	6 54	4 34	9 38	2 32	25 5	1 19	4 14	0 9	2 36	1 21	14 37	2 16	1 56	0 36	11 33	1 50	31 52	8 0	12 21	12 0	19 12		n.a.
F 30	19s24	2s48	3n54	10s 1	2n25	24s55	1s11	4s 5	0n11	2n32	1n21	14n37	2n16	1n56	0s36	11n33	1n50	31s52	8s 0	12s21	11s58	19s12		n.a.

Julian Day Number = 1110664.5, Delta T = 10h52m46s
Ecliptic obliquity = 23°53'15, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'23, Lahiri = -27°01'22 Julian Calendar 1 Nov. 1673 BCE == Greg. Calendar 18 Oct. 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1673 BCE
geocentric

DECEMBER 1673 BCE (-1672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 42 12	26♏ 6'19	27♓ 2	2♏32	6♑53	19♓44	26♍57	27♌46	6°R 7	5♍ 1	27♐53	1♏56	0♏46	4♑39	n.a.	S 1
S 2	3 46 9	27° 7'33	10♈26	3°26	7°24	20° 2	27° 6	27°48	6♈ 6	5° 2	27°55	1°57	0°43	4°46	n.a.	S 2
M 3	3 50 5	28° 8'45	24°17	4°24	7°54	20°20	27°16	27°50	6° 4	5° 3	27°57	1°58	0°40	4°53	n.a.	M 3
T 4	3 54 2	29° 9'57	8♉34	5°26	8°22	20°39	27°25	27°51	6° 3	5° 3	27°58	1°R58	0°36	4°59	n.a.	T 4
W 5	3 57 58	0♐11'07	23°15	6°30	8°49	20°58	27°34	27°53	6° 2	5° 4	28° 0	1°57	0°33	5° 6	n.a.	W 5
T 6	4 1 55	1°12'17	8♊12	7°36	9°13	21°18	27°43	27°55	6° 1	5° 4	28° 1	1°54	0°30	5°13	n.a.	T 6
F 7	4 5 51	2°13'27	23°17	8°45	9°36	21°37	27°52	27°56	6° 0	5° 5	28° 3	1°50	0°27	5°19	n.a.	F 7
S 8	4 9 48	3°14'35	8♋21	9°56	9°57	21°58	28° 1	27°58	5°59	5° 5	28° 5	1°45	0°24	5°26	n.a.	S 8
S 9	4 13 45	4°15'43	23°14	11° 9	10°16	22°18	28°10	27°59	5°58	5° 6	28° 6	1°41	0°20	5°33	n.a.	S 9
M10	4 17 41	5°16'50	7♌49	12°23	10°33	22°39	28°18	28° 0	5°57	5° 6	28° 8	1°37	0°17	5°40	n.a.	M10
T 11	4 21 38	6°17'56	22° 2	13°39	10°48	23° 1	28°27	28° 1	5°56	5° 6	28°10	1°35	0°14	5°46	n.a.	T 11
W12	4 25 34	7°19'01	5♍52	14°57	11° 0	23°22	28°35	28° 2	5°55	5° 7	28°11	1°D34	0°11	5°53	n.a.	W12
T 13	4 29 31	8°20'06	19°18	16°16	11°11	23°44	28°44	28° 3	5°54	5° 7	28°13	1°34	0° 8	6° 0	n.a.	T 13
F 14	4 33 27	9°21'10	2♎22	17°36	11°19	24° 7	28°52	28° 4	5°53	5° 7	28°15	1°35	0° 5	6° 6	n.a.	F 14
S 15	4 37 24	10°22'13	15° 9	18°57	11°24	24°29	29° 0	28° 5	5°53	5° 8	28°16	1°37	0° 1	6°13	n.a.	S 15
S 16	4 41 20	11°23'15	27°40	20°19	11°28	24°52	29° 8	28° 5	5°52	5° 8	28°18	1°R38	29♎58	6°20	n.a.	S 16
M17	4 45 17	12°24'16	10♏ 0	21°43	11°R29	25°16	29°15	28° 6	5°51	5° 8	28°20	1°38	29°55	6°27	n.a.	M17
T 18	4 49 14	13°25'17	22°11	23° 7	11°27	25°39	29°23	28° 6	5°51	5° 8	28°22	1°36	29°52	6°33	n.a.	T 18
W19	4 53 10	14°26'16	4♐14	24°32	11°23	26° 3	29°30	28° 6	5°50	5° 8	28°23	1°31	29°49	6°40	n.a.	W19
T 20	4 57 7	15°27'13	16°12	25°59	11°16	26°28	29°38	28° 7	5°50	5° 8	28°25	1°25	29°46	6°47	n.a.	T 20
F 21	5 1 3	16°28'10	28° 6	27°26	11° 7	26°52	29°45	28°R 7	5°49	5°R 8	28°27	1°16	29°42	6°53	n.a.	F 21
S 22	5 5 0	17°29'05	9♑58	28°54	10°56	27°17	29°52	28° 7	5°49	5° 8	28°29	1° 7	29°39	7° 0	n.a.	S 22
S 23	5 8 56	18°29'58	21°49	0♐22	10°41	27°42	29°59	28° 7	5°49	5° 8	28°30	0°57	29°36	7° 7	n.a.	S 23
M24	5 12 53	19°30'50	3♒41	1°52	10°25	28° 7	0♎ 5	28° 6	5°48	5° 8	28°32	0°48	29°33	7°14	n.a.	M24
T 25	5 16 49	20°31'41	15°38	3°22	10° 6	28°33	0°12	28° 6	5°48	5° 8	28°34	0°41	29°30	7°20	n.a.	T 25
W26	5 20 46	21°32'29	27°42	4°54	9°44	28°59	0°18	28° 5	5°48	5° 8	28°36	0°36	29°26	7°27	n.a.	W26
T 27	5 24 43	22°33'16	9♓57	6°26	9°20	29°25	0°25	28° 5	5°48	5° 7	28°38	0°33	29°23	7°34	n.a.	T 27
F 28	5 28 39	23°34'01	22°27	7°58	8°54	29°51	0°31	28° 4	5°D48	5° 7	28°39	0°D32	29°20	7°40	n.a.	F 28
S 29	5 32 36	24°34'44	5♈18	9°32	8°26	0♈18	0°37	28° 3	5°48	5° 7	28°41	0°32	29°17	7°47	n.a.	S 29
S 30	5 36 32	25°35'25	18°32	11° 6	7°56	0°45	0°43	28° 3	5°48	5° 7	28°43	0°33	29°14	7°54	n.a.	S 30
M31	5 40 29	26♐36'04	2♉15	12♐42	7♑25	1♈12	0♎48	28♌ 2	5♈48	5♍ 6	28♐45	0°R33	29♎11	8♑ 1	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s38	1n33	3n 1	10s26	2n17	24s45	1s 3	3s57	0n12	2n29	1n21	14n36	2n16	1n55	0s36	11n33	1n50	31s52	8s 0	12s22	11s57	19s11		n.a.
S 2	19 53	5 58	1 56	10 52	2 10	24 34	0 54	3 48	0 14	2 25	1 21	14 36	2 16	1 55	0 36	11 33	1 50	31 52	8 0	12 22	11 56	19 10		n.a.
M 3	20 7	10 14	0 42	11 19	2 2	24 23	0 45	3 40	0 15	2 21	1 22	14 35	2 17	1 54	0 36	11 33	1 50	31 52	8 0	12 23	11 55	19 10		n.a.
T 4	20 21	14 3	0s36	11 48	1 54	24 12	0 35	3 31	0 17	2 18	1 22	14 35	2 17	1 54	0 36	11 33	1 50	31 52	8 0	12 23	11 54	19 9		n.a.
W 5	20 34	17 6	1 54	12 17	1 45	24 1	0 26	3 22	0 18	2 14	1 22	14 34	2 17	1 53	0 36	11 32	1 51	31 52	8 0	12 22	11 53	19 9		n.a.
T 6	20 47	19 2	3 6	12 47	1 37	23 49	0 15	3 13	0 20	2 10	1 22	14 34	2 18	1 53	0 36	11 32	1 51	31 52	8 0	12 21	11 52	19 8		n.a.
F 7	21 0	19 38	4 5	13 17	1 29	23 37	0 5	3 4	0 21	2 7	1 22	14 34	2 18	1 52	0 36	11 32	1 51	31 52	8 0	12 20	11 50	19 7		n.a.
S 8	21 12	18 51	4 47	13 48	1 20	23 24	0n 6	2 54	0 22	2 4	1 22	14 34	2 18	1 52	0 36	11 32	1 51	31 52	8 0	12 18	11 49	19 7		n.a.
S 9	21 24	16 46	5 9	14 19	1 12	23 12	0 17	2 45	0 24	2 0	1 23	14 33	2 18	1 52	0 36	11 32	1 51	31 52	7 59	12 17	11 48	19 6		n.a.
M10	21 35	13 39	5 10	14 50	1 3	22 59	0 29	2 35	0 25	1 57	1 23	14 33	2 19	1 51	0 36	11 32	1 51	31 52	7 59	12 15	11 47	19 5		n.a.
T 11	21 46	9 49	4 53	15 22	0 55	22 46	0 41	2 25	0 26	1 54	1 23	14 33	2 19	1 51	0 36	11 32	1 51	31 52	7 59	12 14	11 46	19 5		n.a.
W12	21 56	5 32	4 18	15 53	0 47	22 33	0 53	2 15	0 28	1 50	1 23	14 33	2 19	1 51	0 36	11 32	1 51	31 52	7 59	12 14	11 45	19 4		n.a.
T 13	22 6	1 6	3 30	16 24	0 38	22 19	1 5	2 5	0 29	1 47	1 23	14 33	2 20	1 50	0 36	11 32	1 51	31 52	7 59	12 14	11 44	19 3		n.a.
F 14	22 16	3s17	2 33	16 55	0 30	22 6	1 18	1 55	0 30	1 44	1 24	14 33	2 20	1 50	0 36	11 32	1 51	31 52	7 59	12 15	11 43	19 3		n.a.
S 15	22 25	7 26	1 29	17 26	0 22	21 52	1 31	1 45	0 31	1 41	1 24	14 33	2 20	1 50	0 36	11 32	1 51	31 52	7 59	12 15	11 41	19 2		n.a.
S 16	22 34	11 10	0 22	17 56	0 14	21 39	1 45	1 35	0 32	1 38	1 24	14 33	2 20	1 50	0 36	11 32	1 51	31 52	7 59	12 16	11 40	19 1		n.a.
M17	22 42	14 22	0n45	18 26	0 6	21 25	1 59	1 24	0 34	1 35	1 24	14 33	2 21	1 49	0 36	11 32	1 51	31 52	7 59	12 16	11 39	19 1		n.a.
T 18	22 50	16 54	1 49	18 55	0s 1	21 11	2 13	1 14	0 35	1 32	1 24	14 33	2 21	1 49	0 36	11 32	1 51	31 52	7 59	12 15	11 38	19 0		n.a.
W19	22 58	18 39	2 47	19 24	0 9	20 57	2 27	1 3	0 36	1 29	1 25	14 33	2 21	1 49	0 36	11 32	1 52	31 52	7 59	12 13	11 37	18 59		n.a.
T 20	23 5	19 33	3 37	19 52	0 16	20 43	2 41	0 52	0 37	1 27	1 25	14 34	2 22	1 49	0 36	11 32	1 52	31 52	7 59	12 11	11 36	18 59		n.a.
F 21	23 11	19 35	4 18	20 20	0 23	20 29	2 56	0 41	0 38	1 24	1 25	14 34	2 22	1 49	0 36	11 32	1 52	31 52	7 59	12 8	11 35	18 58		n.a.
S 22	23 17	18 44	4 47	20 47	0 30	20 16	3 11	0 30	0 39	1 21	1 25	14 34	2 22	1 49	0 36	11 32	1 52	31 52	7 59	12 5	11 33	18 57		n.a.
S 23	23 23	17 6	5 3	21 13	0 37	20 2	3 26	0 19	0 40	1 19	1 25	14 34	2 22	1 48	0 36	11 32	1 52	31 52	7 59	12 1	11 32	18 57		n.a.
M24	23 28	14 43	5 7	21 38	0 44	19 48	3 40	0 8	0 41	1 16	1 26	14 35	2 23	1 48	0 36	11 32	1 52	31 52	7 59	11 58	11 31	18 56		n.a.
T 25	23 32	11 44	4 57	22 2	0 50	19 35	3 55	0n 3	0 42	1 14	1 26	14 35	2 23	1 48	0 35	11 32	1 52	31 52	8 0	11 55	11 30	18 55		n.a.
W26	23 37	8 13	4 34	22 26	0 56	19 22	4 10	0 14	0 43	1 11	1 26	14 36	2 23	1 48	0 35	11 32	1 52	31 52	8 0	11 54	11 29	18 54		n.a.
T 27	23 40	4 19	3 58	22 49	1 2	19 9	4 25	0 26	0 44	1 9	1 26	14 36	2 24	1 48	0 35	11 32	1 52	31 52	8 0	11 53	11 28	18 54		n.a.
F 28	23 44	0 9	3 10	23 10	1 8	18 56	4 40	0 37	0 45	1 7	1 26	14 37	2 24	1 48	0 35	11 33	1 52	31 52	8 0	11 52	11 27	18 53		n.a.
S 29	23 46	4n 9	2 11	23 30	1 14	18 43	4 54	0 49	0 45	1 4	1 27	14 37	2 24	1 48	0 35	11 33	1 52	31 52	8 0	11 52	11 25	18 52		n.a.
S 30	23 49	8 23	1 4	23 50	1 19	18 31	5 8	1 0	0 46	1 2	1 27	14 38	2 24	1 48	0 35	11 33	1 52	31 53	8 0	11 53	11 24	18 52		n.a.
M31	23s51	12n20	0s 9	24s 8	1s24	18s19	5n22	1n12	0n47	1n 0	1n27	14n38	2n25	1n49	0s35	11n33	1n52	31s53	8s 0	11s53	11s23	18s51		n.a.

Julian Day Number = 1110694.5, Delta T = 10h52m44s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'19, Lahiri = -27°01'18 Julian Calendar 1 Dec. 1673 BCE == Greg. Calendar 17 Nov. 1673 BCE

The year -1672 astronomical counting style corresponds to year 1673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

JANUARY 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 44 25	27♐36'42	16♉26	14♐18	6°R51	1♈39	0♎54	28°R 1	5♈48	5°R 6	28♐47	0°R32	29♎ 7	8♑ 7	n.a.	T 1
W 2	5 48 22	28°37'17	1♊ 5	15°55	6♑17	2° 6	0°59	27♌59	5°49	5♍ 6	28°48	0♏29	29° 4	8°14	n.a.	W 2
T 3	5 52 19	29°37'51	16° 8	17°32	5°41	2°34	1° 4	27°58	5°49	5° 5	28°50	0°23	29° 1	8°21	n.a.	T 3
F 4	5 56 15	0♑38'23	1♋25	19°11	5° 4	3° 2	1° 9	27°57	5°49	5° 5	28°52	0°15	28°58	8°27	n.a.	F 4
S 5	6 0 12	1°38'53	16°45	20°50	4°27	3°30	1°14	27°55	5°50	5° 4	28°54	0° 6	28°55	8°34	n.a.	S 5
S 6	6 4 8	2°39'22	1♌58	22°31	3°49	3°58	1°19	27°54	5°50	5° 4	28°55	29♎56	28°52	8°41	n.a.	S 6
M 7	6 8 5	3°39'48	16°53	24°12	3°11	4°26	1°23	27°52	5°51	5° 3	28°57	29°47	28°48	8°48	n.a.	M 7
T 8	6 12 1	4°40'14	1♍23	25°54	2°34	4°55	1°28	27°50	5°51	5° 3	28°59	29°41	28°45	8°54	n.a.	T 8
W 9	6 15 58	5°40'37	15°24	27°38	1°56	5°24	1°32	27°48	5°52	5° 2	29° 1	29°37	28°42	9° 1	n.a.	W 9
T 10	6 19 54	6°40'59	28°56	29°22	1°20	5°53	1°36	27°47	5°52	5° 1	29° 3	29°35	28°39	9° 8	n.a.	T 10
F 11	6 23 51	7°41'19	12♎ 1	1♑ 7	0°44	6°22	1°40	27°44	5°53	5° 1	29° 4	29°D35	28°36	9°14	n.a.	F 11
S 12	6 27 48	8°41'38	24°43	2°53	0°10	6°51	1°43	27°42	5°54	5° 0	29° 6	29°R35	28°32	9°21	n.a.	S 12
S 13	6 31 44	9°41'55	7♏ 7	4°40	29♐37	7°20	1°47	27°40	5°55	4°59	29° 8	29°35	28°29	9°28	n.a.	S 13
M14	6 35 41	10°42'11	19°17	6°28	29° 5	7°50	1°50	27°38	5°55	4°58	29°10	29°33	28°26	9°35	n.a.	M14
T 15	6 39 37	11°42'24	1♐18	8°17	28°35	8°20	1°53	27°35	5°56	4°58	29°11	29°29	28°23	9°41	n.a.	T 15
W16	6 43 34	12°42'36	13°13	10° 7	28° 7	8°49	1°56	27°33	5°57	4°57	29°13	29°22	28°20	9°48	n.a.	W16
T 17	6 47 30	13°42'46	25° 5	11°58	27°41	9°19	1°59	27°30	5°58	4°56	29°15	29°11	28°17	9°55	n.a.	T 17
F 18	6 51 27	14°42'54	6♑56	13°50	27°18	9°50	2° 2	27°28	5°59	4°55	29°17	28°59	28°13	10° 1	n.a.	F 18
S 19	6 55 23	15°43'00	18°48	15°43	26°56	10°20	2° 4	27°25	6° 0	4°54	29°18	28°45	28°10	10° 8	n.a.	S 19
S 20	6 59 20	16°43'04	0♒42	17°37	26°37	10°50	2° 6	27°22	6° 2	4°53	29°20	28°30	28° 7	10°15	n.a.	S 20
M21	7 3 16	17°43'06	12°39	19°31	26°20	11°21	2° 8	27°19	6° 3	4°52	29°22	28°17	28° 4	10°22	n.a.	M21
T 22	7 7 13	18°43'06	24°41	21°27	26° 6	11°52	2°10	27°16	6° 4	4°51	29°24	28° 5	28° 1	10°28	n.a.	T 22
W23	7 11 10	19°43'03	6♓50	23°23	25°54	12°22	2°12	27°13	6° 5	4°50	29°25	27°56	27°58	10°35	n.a.	W23
T 24	7 15 6	20°42'58	19° 8	25°19	25°45	12°53	2°13	27°10	6° 7	4°49	29°27	27°49	27°54	10°42	n.a.	T 24
F 25	7 19 3	21°42'51	1♈39	27°16	25°38	13°24	2°14	27° 7	6° 8	4°48	29°29	27°46	27°51	10°48	n.a.	F 25
S 26	7 22 59	22°42'41	14°27	29°14	25°33	13°56	2°16	27° 3	6°10	4°47	29°30	27°45	27°48	10°55	n.a.	S 26
S 27	7 26 56	23°42'29	27°35	1♒11	25°D31	14°27	2°16	27° 0	6°11	4°46	29°32	27°45	27°45	11° 2	n.a.	S 27
M28	7 30 52	24°42'15	11♉ 7	3° 8	25°32	14°58	2°17	26°57	6°13	4°45	29°34	27°44	27°42	11° 9	n.a.	M28
T 29	7 34 49	25°41'58	25° 6	5° 5	25°34	15°30	2°18	26°53	6°14	4°44	29°35	27°43	27°38	11°15	n.a.	T 29
W30	7 38 45	26°41'38	9♊32	7° 2	25°39	16° 2	2°18	26°49	6°16	4°42	29°37	27°39	27°35	11°22	n.a.	W30
T 31	7 42 42	27♑41'17	24♊22	8♒57	25♐47	16♈33	2°R18	26♌46	6♈18	4♍41	29♐39	27♎32	27♎32	11♑29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23 s52	15n43	1 s24	24 s25	1 s29	18 s 8	5n35	1n24	0n48	0n58	1n27	14n39	2n25	1n49	0 s35	11n33	1n52	31 s53	8 s 0	11 s52	11 s22	18 s50			n.a.
W 2	23 53	18 13	2 36	24 40	1 33	17 57	5 48	1 36	0 49	0 56	1 28	14 40	2 25	1 49	0 35	11 33	1 52	31 53	8 0	11 51	11 21	18 49			n.a.
T 3	23 53	19 32	3 39	24 54	1 37	17 46	6 0	1 48	0 49	0 54	1 28	14 40	2 25	1 49	0 35	11 34	1 53	31 53	8 0	11 49	11 20	18 49			n.a.
F 4	23 53	19 26	4 27	25 7	1 41	17 36	6 12	2 0	0 50	0 52	1 28	14 41	2 26	1 49	0 35	11 34	1 53	31 53	8 0	11 46	11 19	18 48			n.a.
S 5	23 53	17 55	4 56	25 18	1 45	17 26	6 23	2 12	0 51	0 51	1 28	14 42	2 26	1 49	0 35	11 34	1 53	31 53	8 0	11 43	11 17	18 47			n.a.
S 6	23 52	15 10	5 4	25 28	1 48	17 17	6 33	2 24	0 52	0 49	1 28	14 43	2 26	1 49	0 35	11 34	1 53	31 53	8 0	11 39	11 16	18 47			n.a.
M 7	23 50	11 27	4 51	25 36	1 51	17 8	6 43	2 36	0 52	0 47	1 29	14 43	2 27	1 50	0 35	11 35	1 53	31 53	8 0	11 36	11 15	18 46			n.a.
T 8	23 48	7 9	4 19	25 42	1 53	17 0	6 51	2 48	0 53	0 46	1 29	14 44	2 27	1 50	0 35	11 35	1 53	31 53	8 0	11 34	11 14	18 45			n.a.
W 9	23 46	2 36	3 33	25 47	1 55	16 53	6 59	3 0	0 54	0 44	1 29	14 45	2 27	1 50	0 35	11 35	1 53	31 53	8 0	11 33	11 13	18 44			n.a.
T 10	23 43	1 s56	2 36	25 50	1 57	16 46	7 6	3 12	0 55	0 43	1 29	14 46	2 27	1 51	0 35	11 36	1 53	31 53	8 0	11 32	11 12	18 44			n.a.
F 11	23 40	6 15	1 32	25 51	1 58	16 40	7 13	3 25	0 55	0 42	1 30	14 47	2 28	1 51	0 35	11 36	1 53	31 54	8 1	11 32	11 10	18 43			n.a.
S 12	23 36	10 9	0 26	25 50	1 59	16 35	7 18	3 37	0 56	0 40	1 30	14 48	2 28	1 51	0 35	11 36	1 53	31 54	8 1	11 32	11 9	18 42			n.a.
S 13	23 31	13 31	0n40	25 48	2 0	16 31	7 22	3 50	0 56	0 39	1 30	14 49	2 28	1 52	0 35	11 37	1 53	31 54	8 1	11 32	11 8	18 41			n.a.
M14	23 27	16 14	1 43	25 43	2 0	16 27	7 26	4 2	0 57	0 38	1 30	14 50	2 28	1 52	0 35	11 37	1 53	31 54	8 1	11 31	11 7	18 41			n.a.
T 15	23 22	18 12	2 40	25 36	1 59	16 24	7 29	4 15	0 58	0 37	1 31	14 51	2 29	1 52	0 35	11 37	1 53	31 54	8 1	11 30	11 6	18 40			n.a.
W16	23 16	19 21	3 29	25 27	1 58	16 22	7 31	4 27	0 58	0 36	1 31	14 52	2 29	1 53	0 35	11 38	1 53	31 54	8 1	11 27	11 5	18 39			n.a.
T 17	23 10	19 38	4 9	25 16	1 57	16 20	7 32	4 40	0 59	0 35	1 31	14 53	2 29	1 53	0 35	11 38	1 53	31 54	8 1	11 23	11 4	18 38			n.a.
F 18	23 3	19 4	4 39	25 3	1 55	16 19	7 32	4 52	0 59	0 34	1 31	14 55	2 29	1 54	0 35	11 38	1 53	31 54	8 1	11 19	11 2	18 37			n.a.
S 19	22 56	17 40	4 56	24 48	1 52	16 19	7 32	5 5	1 0	0 34	1 32	14 56	2 30	1 54	0 35	11 39	1 54	31 55	8 1	11 14	11 1	18 37			n.a.
S 20	22 49	15 30	5 0	24 30	1 49	16 20	7 31	5 18	1 1	0 33	1 32	14 57	2 30	1 55	0 35	11 39	1 54	31 55	8 2	11 9	11 0	18 36			n.a.
M21	22 41	12 41	4 51	24 11	1 45	16 21	7 29	5 30	1 1	0 32	1 32	14 58	2 30	1 55	0 34	11 40	1 54	31 55	8 2	11 4	10 59	18 35			n.a.
T 22	22 33	9 19	4 29	23 48	1 41	16 23	7 27	5 43	1 2	0 32	1 32	14 59	2 30	1 56	0 34	11 40	1 54	31 55	8 2	10 59	10 58	18 34			n.a.
W23	22 24	5 33	3 55	23 24	1 36	16 25	7 24	5 56	1 2	0 31	1 33	15 1	2 30	1 56	0 34	11 40	1 54	31 55	8 2	10 56	10 57	18 34			n.a.
T 24	22 15	1 29	3 9	22 57	1 31	16 29	7 21	6 8	1 3	0 31	1 33	15 2	2 31	1 57	0 34	11 41	1 54	31 55	8 2	10 54	10 55	18 33			n.a.
F 25	22 6	2n42	2 13	22 29	1 25	16 32	7 17	6 21	1 3	0 31	1 33	15 3	2 31	1 57	0 34	11 41	1 54	31 55	8 2	10 52	10 54	18 32			n.a.
S 26	21 56	6 52	1 10	21 58	1 18	16 36	7 12	6 34	1 4	0 30	1 33	15 5	2 31	1 58	0 34	11 42	1 54	31 56	8 2	10 52	10 53	18 31			n.a.
S 27	21 46	10 49	0 1	21 25	1 10	16 41	7 8	6 47	1 4	0 30	1 34	15 6	2 31	1 59	0 34	11 42	1 54	31 56	8 2	10 52	10 52	18 30			n.a.
M28	21 35	14 20	1 s10	20 49	1 2	16 46	7 2	7 0	1 4	0 30	1 34	15 8	2 31	1 59	0 34	11 43	1 54	31 56	8 3	10 52	10 51	18 30			n.a.
T 29	21 24	17 9	2 19	20 13	0 53	16 52	6 57	7 12	1 5	0 30	1 34	15 9	2 32	2 0	0 34	11 43	1 54	31 56	8 3	10 51	10 50	18 29			n.a.
W30	21 13	18 59	3 21	19 34	0 44	16 58	6 51	7 25	1 5	0 30	1 34	15 10	2 32	2 1	0 34	11 44	1 54	31 56	8 3	10 50	10 49	18 28			n.a.
T 31	21 s 1	19n34	4 s12	18 s54	0 s34	17 s 5	6n45	7n38	1n 6	0n30	1n34	15n12	2n32	2n 1	0 s34	11n44	1n54	31 s56	8 s 3	10 s47	10 s47	18 s27			n.a.

Julian Day Number = 1110725.5, Delta T = 10h52m42s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'14, Lahiri = -27°01'14 Julian Calendar 1 Jan. 1672 BCE == Greg. Calendar 18 Dec. 1673 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

FEBRUARY 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 46 39	28♉40'53	9♋32	10♒51	25♐56	17♈ 5	2°R18	26°R42	6♈19	4°R40	29♐40	27°R22	27♎29	11♉36	n.a.	F 1
S 2	7 50 35	29°40'26	24°50	12°43	26° 8	17°37	2♎18	26♌38	6°21	4♍39	29°42	27♎11	27°26	11°42	n.a.	S 2
S 3	7 54 32	0♒39'58	10♌ 5	14°33	26°22	18° 9	2°18	26°35	6°23	4°38	29°43	27° 0	27°23	11°49	n.a.	S 3
M 4	7 58 28	1°39'27	25° 8	16°20	26°38	18°41	2°17	26°31	6°25	4°36	29°45	26°50	27°19	11°56	n.a.	M 4
T 5	8 2 25	2°38'54	9♍47	18° 4	26°56	19°13	2°16	26°27	6°27	4°35	29°46	26°41	27°16	12° 2	n.a.	T 5
W 6	8 6 21	3°38'19	23°58	19°45	27°16	19°46	2°15	26°23	6°29	4°34	29°48	26°36	27°13	12° 9	n.a.	W 6
T 7	8 10 18	4°37'42	7♎39	21°22	27°37	20°18	2°14	26°19	6°31	4°32	29°50	26°33	27°10	12°16	n.a.	T 7
F 8	8 14 14	5°37'03	20°52	22°54	28° 1	20°51	2°13	26°15	6°33	4°31	29°51	26°31	27° 7	12°23	n.a.	F 8
S 9	8 18 11	6°36'22	3♏38	24°21	28°26	21°23	2°11	26°11	6°35	4°30	29°53	26°31	27° 3	12°29	n.a.	S 9
S 10	8 22 7	7°35'40	16° 3	25°43	28°53	21°56	2°10	26° 6	6°37	4°28	29°54	26°31	27° 0	12°36	n.a.	S 10
M11	8 26 4	8°34'55	28°13	27° 0	29°21	22°28	2° 8	26° 2	6°39	4°27	29°56	26°30	26°57	12°43	n.a.	M11
T 12	8 30 1	9°34'09	10♐11	28°10	29°51	23° 1	2° 6	25°58	6°41	4°25	29°57	26°26	26°54	12°49	n.a.	T 12
W13	8 33 57	10°33'20	22° 4	29°14	0♑23	23°34	2° 3	25°54	6°44	4°24	29°58	26°20	26°51	12°56	n.a.	W13
T 14	8 37 54	11°32'30	3♑54	0♓12	0°56	24° 7	2° 1	25°49	6°46	4°22	29°59	26°10	26°48	13° 3	n.a.	T 14
F 15	8 41 50	12°31'37	15°45	1° 3	1°30	24°40	1°58	25°45	6°48	4°21	0♑ 1	25°59	26°44	13°10	n.a.	F 15
S 16	8 45 47	13°30'43	27°38	1°46	2° 5	25°13	1°55	25°41	6°51	4°19	0° 3	25°46	26°41	13°16	n.a.	S 16
S 17	8 49 43	14°29'46	9♒37	2°23	2°42	25°46	1°52	25°36	6°53	4°18	0° 4	25°32	26°38	13°23	n.a.	S 17
M18	8 53 40	15°28'47	21°42	2°53	3°20	26°20	1°49	25°32	6°55	4°16	0° 5	25°20	26°35	13°30	n.a.	M18
T 19	8 57 36	16°27'46	3♓54	3°15	3°59	26°53	1°46	25°27	6°58	4°15	0° 7	25° 9	26°32	13°36	n.a.	T 19
W20	9 1 33	17°26'42	16°14	3°30	4°40	27°27	1°42	25°23	7° 0	4°13	0° 8	25° 0	26°29	13°43	n.a.	W20
T 21	9 5 29	18°25'37	28°44	3°38	5°21	28° 0	1°39	25°18	7° 3	4°12	0° 9	24°54	26°25	13°50	n.a.	T 21
F 22	9 9 26	19°24'29	11♈25	3°R39	6° 3	28°34	1°35	25°14	7° 5	4°10	0°11	24°51	26°22	13°57	n.a.	F 22
S 23	9 13 23	20°23'18	24°20	3°33	6°47	29° 7	1°31	25° 9	7° 8	4° 9	0°12	24°D51	26°19	14° 3	n.a.	S 23
S 24	9 17 19	21°22'05	7♉31	3°21	7°31	29°41	1°27	25° 5	7°11	4° 7	0°13	24°51	26°16	14°10	n.a.	S 24
M25	9 21 16	22°20'50	21° 0	3° 3	8°16	0♉15	1°22	25° 0	7°13	4° 5	0°14	24°R51	26°13	14°17	n.a.	M25
T 26	9 25 12	23°19'32	4♊51	2°39	9° 2	0°48	1°18	24°56	7°16	4° 4	0°16	24°51	26° 9	14°24	n.a.	T 26
W27	9 29 9	24°18'12	19° 3	2°10	9°49	1°22	1°13	24°51	7°19	4° 2	0°17	24°48	26° 6	14°30	n.a.	W27
T 28	9 33 5	25♒16'50	3♋36	1♓36	10♉36	1♉56	1♎ 8	24♌47	7♈22	4♍ 1	0♉18	24♎44	26♎ 3	14♉37	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20s49	18n47	4s46	18s12	0s23	17s11	6n38	7n51	1n 6	0n31	1n35	15n13	2n32	2n 2	0s34	11n45	1n54	31s56	8s 3	10s44	10s46	18s26		n.a.
S 2	20 36	16 39	5 0	17 30	0 12	17 18	6 31	8 4	1 7	0 31	1 35	15 15	2 32	2 3	0 34	11 45	1 54	31 57	8 3	10 40	10 45	18 26		n.a.
S 3	20 23	13 21	4 53	16 46	0n 0	17 26	6 25	8 17	1 7	0 31	1 35	15 16	2 33	2 4	0 34	11 46	1 54	31 57	8 4	10 36	10 44	18 25		n.a.
M 4	20 10	9 14	4 25	16 2	0 12	17 33	6 17	8 29	1 7	0 32	1 35	15 18	2 33	2 4	0 34	11 46	1 54	31 57	8 4	10 32	10 43	18 24		n.a.
T 5	19 56	4 39	3 40	15 18	0 25	17 41	6 10	8 42	1 8	0 32	1 36	15 19	2 33	2 5	0 34	11 47	1 54	31 57	8 4	10 29	10 42	18 23		n.a.
W 6	19 42	0s 3	2 43	14 34	0 38	17 49	6 3	8 55	1 8	0 33	1 36	15 21	2 33	2 6	0 34	11 47	1 54	31 57	8 4	10 27	10 40	18 22		n.a.
T 7	19 28	4 35	1 38	13 50	0 51	17 57	5 55	9 8	1 9	0 34	1 36	15 22	2 33	2 7	0 34	11 48	1 54	31 58	8 4	10 25	10 39	18 21		n.a.
F 8	19 13	8 45	0 30	13 7	1 5	18 5	5 48	9 21	1 9	0 34	1 36	15 24	2 33	2 8	0 34	11 48	1 55	31 58	8 4	10 25	10 38	18 21		n.a.
S 9	18 58	12 22	0n38	12 26	1 18	18 13	5 40	9 34	1 9	0 35	1 37	15 26	2 33	2 9	0 34	11 49	1 55	31 58	8 5	10 25	10 37	18 20		n.a.
S 10	18 43	15 20	1 41	11 45	1 31	18 21	5 32	9 46	1 10	0 36	1 37	15 27	2 34	2 10	0 34	11 49	1 55	31 58	8 5	10 25	10 36	18 19		n.a.
M11	18 27	17 33	2 39	11 6	1 45	18 29	5 24	9 59	1 10	0 37	1 37	15 29	2 34	2 10	0 34	11 50	1 55	31 58	8 5	10 24	10 35	18 18		n.a.
T 12	18 11	18 57	3 29	10 30	1 58	18 37	5 16	10 12	1 10	0 38	1 37	15 30	2 34	2 11	0 34	11 51	1 55	31 58	8 5	10 23	10 33	18 17		n.a.
W13	17 55	19 30	4 10	9 55	2 10	18 45	5 8	10 25	1 11	0 39	1 37	15 32	2 34	2 12	0 34	11 51	1 55	31 59	8 5	10 21	10 32	18 16		n.a.
T 14	17 39	19 11	4 39	9 23	2 23	18 53	5 0	10 37	1 11	0 40	1 38	15 34	2 34	2 13	0 34	11 52	1 55	31 59	8 6	10 17	10 31	18 16		n.a.
F 15	17 22	18 2	4 56	8 54	2 34	19 1	4 52	10 50	1 11	0 42	1 38	15 35	2 34	2 14	0 34	11 52	1 55	31 59	8 6	10 13	10 30	18 15		n.a.
S 16	17 5	16 7	5 1	8 28	2 45	19 8	4 44	11 3	1 12	0 43	1 38	15 37	2 34	2 15	0 34	11 53	1 55	31 59	8 6	10 8	10 29	18 14		n.a.
S 17	16 47	13 29	4 52	8 6	2 56	19 16	4 36	11 15	1 12	0 44	1 38	15 38	2 34	2 16	0 34	11 53	1 55	32 0	8 6	10 3	10 28	18 13		n.a.
M18	16 30	10 17	4 30	7 46	3 5	19 23	4 28	11 28	1 12	0 46	1 38	15 40	2 35	2 17	0 34	11 54	1 55	32 0	8 6	9 59	10 26	18 12		n.a.
T 19	16 12	6 36	3 56	7 30	3 13	19 30	4 20	11 40	1 12	0 47	1 39	15 42	2 35	2 18	0 34	11 55	1 55	32 0	8 7	9 54	10 25	18 11		n.a.
W20	15 54	2 37	3 10	7 18	3 21	19 36	4 12	11 53	1 13	0 49	1 39	15 43	2 35	2 19	0 33	11 55	1 55	32 0	8 7	9 51	10 24	18 10		n.a.
T 21	15 35	1n32	2 14	7 9	3 27	19 43	4 4	12 5	1 13	0 51	1 39	15 45	2 35	2 20	0 33	11 56	1 55	32 0	8 7	9 49	10 23	18 9		n.a.
F 22	15 17	5 41	1 11	7 5	3 32	19 49	3 56	12 18	1 13	0 52	1 39	15 47	2 35	2 21	0 33	11 56	1 55	32 1	8 7	9 48	10 22	18 9		n.a.
S 23	14 58	9 39	0 3	7 3	3 35	19 55	3 48	12 30	1 13	0 54	1 39	15 48	2 35	2 22	0 33	11 57	1 55	32 1	8 8	9 48	10 21	18 8		n.a.
S 24	14 39	13 13	1s 7	7 6	3 37	20 0	3 40	12 43	1 14	0 56	1 40	15 50	2 35	2 23	0 33	11 58	1 55	32 1	8 8	9 48	10 19	18 7		n.a.
M25	14 19	16 11	2 15	7 12	3 37	20 5	3 32	12 55	1 14	0 58	1 40	15 51	2 35	2 25	0 33	11 58	1 55	32 1	8 8	9 48	10 18	18 6		n.a.
T 26	14 0	18 17	3 17	7 22	3 36	20 10	3 25	13 7	1 14	1 0	1 40	15 53	2 35	2 26	0 33	11 59	1 55	32 1	8 8	9 48	10 17	18 5		n.a.
W27	13 40	19 19	4 8	7 35	3 33	20 15	3 17	13 20	1 14	1 2	1 40	15 55	2 35	2 27	0 33	12 0	1 55	32 2	8 9	9 47	10 16	18 4		n.a.
T 28	13s20	19n 6	4s44	7s51	3n29	20s19	3n 9	13n32	1n15	1n 4	1n40	15n56	2n35	2n28	0s33	12n 0	1n55	32s 2	8s 9	9s45	10s15	18s 3		n.a.

Julian Day Number = 1110756.5, Delta T = 10h52m40s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'10, Lahiri = -27°01'10 Julian Calendar 1 Feb. 1672 BCE == Greg. Calendar 18 Jan. 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

MARCH 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 37 2	26♒15'25	18♋25	0°R59	11♉25	2♉30	1°R 4	24°R42	7♈24	3°R59	0♉19	24°R37	26♎ 0	14♉44	n.a.	F 1
S 2	9 40 58	27°13'58	3♌24	0♓19	12°14	3° 4	0♎58	24♌37	7°27	3♍57	0°20	24♎29	25°57	14°50	n.a.	S 2
S 3	9 44 55	28°12'28	18°24	29♒36	13° 4	3°38	0°53	24°33	7°30	3°56	0°21	24°20	25°54	14°57	n.a.	S 3
M 4	9 48 51	29°10'57	3♍15	28°53	13°54	4°12	0°48	24°28	7°33	3°54	0°22	24°12	25°50	15° 4	n.a.	M 4
T 5	9 52 48	0♓ 9'23	17°49	28° 8	14°46	4°47	0°42	24°24	7°36	3°53	0°23	24° 5	25°47	15°11	n.a.	T 5
W 6	9 56 45	1° 7'48	2♎ 0	27°24	15°38	5°21	0°37	24°19	7°39	3°51	0°24	24° 1	25°44	15°17	n.a.	W 6
T 7	10 0 41	2° 6'10	15°44	26°41	16°30	5°55	0°31	24°15	7°42	3°49	0°25	23°59	25°41	15°24	n.a.	T 7
F 8	10 4 38	3° 4'31	29° 1	26° 0	17°23	6°29	0°25	24°10	7°45	3°48	0°26	23°D59	25°38	15°31	n.a.	F 8
S 9	10 8 34	4° 2'50	11♏53	25°22	18°17	7° 4	0°19	24° 6	7°48	3°46	0°27	24° 0	25°35	15°37	n.a.	S 9
S 10	10 12 31	5° 1'08	24°23	24°46	19°11	7°38	0°13	24° 1	7°51	3°44	0°28	24° 1	25°31	15°44	n.a.	S 10
M11	10 16 27	5°59'23	6♐36	24°14	20° 6	8°13	0° 6	23°57	7°54	3°43	0°29	24°R 1	25°28	15°51	n.a.	M11
T 12	10 20 24	6°57'37	18°37	23°47	21° 1	8°47	0° 0	23°53	7°57	3°41	0°30	24° 1	25°25	15°58	n.a.	T 12
W13	10 24 20	7°55'50	0♑31	23°23	21°57	9°22	29♍54	23°48	8° 0	3°39	0°31	23°58	25°22	16° 4	n.a.	W13
T 14	10 28 17	8°54'01	12°22	23° 4	22°53	9°56	29°47	23°44	8° 3	3°38	0°32	23°53	25°19	16°11	n.a.	T 14
F 15	10 32 13	9°52'10	24°14	22°50	23°50	10°31	29°40	23°40	8° 6	3°36	0°33	23°47	25°15	16°18	n.a.	F 15
S 16	10 36 10	10°50'17	6♒12	22°41	24°47	11° 6	29°34	23°35	8°10	3°35	0°33	23°40	25°12	16°25	n.a.	S 16
S 17	10 40 7	11°48'23	18°17	22°D36	25°44	11°41	29°27	23°31	8°13	3°33	0°34	23°32	25° 9	16°31	n.a.	S 17
M18	10 44 3	12°46'26	0♓31	22°37	26°42	12°15	29°20	23°27	8°16	3°31	0°35	23°24	25° 6	16°38	n.a.	M18
T 19	10 48 0	13°44'29	12°56	22°42	27°41	12°50	29°13	23°23	8°19	3°30	0°36	23°18	25° 3	16°45	n.a.	T 19
W20	10 51 56	14°42'29	25°31	22°53	28°39	13°25	29° 5	23°19	8°23	3°28	0°36	23°13	25° 0	16°51	n.a.	W20
T 21	10 55 53	15°40'27	8♈19	23° 8	29°38	14° 0	28°58	23°15	8°26	3°27	0°37	23°10	24°56	16°58	n.a.	T 21
F 22	10 59 49	16°38'24	21°19	23°27	0♒38	14°35	28°51	23°11	8°29	3°25	0°38	23°D 9	24°53	17° 5	n.a.	F 22
S 23	11 3 46	17°36'19	4♉31	23°51	1°37	15°10	28°44	23° 7	8°32	3°23	0°38	23°10	24°50	17°12	n.a.	S 23
S 24	11 7 42	18°34'12	17°56	24°19	2°38	15°45	28°36	23° 3	8°36	3°22	0°39	23°11	24°47	17°18	n.a.	S 24
M25	11 11 39	19°32'03	1♊34	24°52	3°38	16°20	28°29	22°59	8°39	3°20	0°40	23°13	24°44	17°25	n.a.	M25
T 26	11 15 35	20°29'52	15°27	25°28	4°39	16°55	28°21	22°55	8°42	3°19	0°40	23°R13	24°40	17°32	n.a.	T 26
W27	11 19 32	21°27'39	29°34	26° 8	5°40	17°31	28°14	22°51	8°46	3°17	0°41	23°13	24°37	17°38	n.a.	W27
T 28	11 23 29	22°25'24	13♋53	26°52	6°41	18° 6	28° 6	22°48	8°49	3°16	0°41	23°12	24°34	17°45	n.a.	T 28
F 29	11 27 25	23°23'08	28°21	27°39	7°42	18°41	27°59	22°44	8°53	3°14	0°42	23° 9	24°31	17°52	n.a.	F 29
S 30	11 31 22	24°20'49	12♌55	28°30	8°44	19°16	27°51	22°41	8°56	3°13	0°42	23° 5	24°28	17°59	n.a.	S 30
S 31	11 35 18	25♓18'29	27♌28	29♒25	9♒46	19♉52	27♍44	22♌37	8♈59	3♍11	0♉43	23♎ 1	24♎25	18♉ 5	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s 0	17n36	5s 3	8s10	3n23	20s22	3n 2	13n44	1n15	1n 6	1n40	15n58	2n35	2n29	0s33	12n 1	1n55	32s 2	8s 9	9s43	10s13	18s 2		n.a.
S 2	12 40	14 53	5 1	8 32	3 16	20 26	2 54	13 56	1 15	1 8	1 41	16 0	2 35	2 30	0 33	12 1	1 55	32 2	8 9	9 39	10 12	18 2		n.a.
S 3	12 19	11 11	4 39	8 55	3 6	20 28	2 46	14 8	1 15	1 11	1 41	16 1	2 35	2 31	0 33	12 2	1 55	32 3	8 9	9 36	10 11	18 1		n.a.
M 4	11 58	6 49	3 57	9 20	2 56	20 31	2 39	14 20	1 16	1 13	1 41	16 3	2 35	2 33	0 33	12 3	1 55	32 3	8 10	9 33	10 10	18 0		n.a.
T 5	11 38	2 8	3 1	9 47	2 44	20 32	2 32	14 32	1 16	1 15	1 41	16 4	2 35	2 34	0 33	12 3	1 55	32 3	8 10	9 31	10 9	17 59		n.a.
W 6	11 16	2s34	1 55	10 14	2 32	20 34	2 24	14 44	1 16	1 18	1 41	16 6	2 35	2 35	0 33	12 4	1 55	32 3	8 10	9 29	10 8	17 58		n.a.
T 7	10 55	6 59	0 44	10 42	2 18	20 35	2 17	14 56	1 16	1 20	1 41	16 7	2 35	2 36	0 33	12 4	1 55	32 4	8 10	9 28	10 6	17 57		n.a.
F 8	10 34	10 54	0n27	11 10	2 3	20 35	2 10	15 8	1 16	1 23	1 41	16 9	2 35	2 37	0 33	12 5	1 55	32 4	8 11	9 28	10 5	17 56		n.a.
S 9	10 12	14 11	1 35	11 37	1 48	20 35	2 3	15 20	1 16	1 25	1 41	16 10	2 35	2 39	0 33	12 6	1 55	32 4	8 11	9 29	10 4	17 55		n.a.
S 10	9 51	16 42	2 36	12 4	1 32	20 34	1 56	15 31	1 17	1 28	1 42	16 12	2 35	2 40	0 33	12 6	1 55	32 4	8 11	9 29	10 3	17 54		n.a.
M11	9 29	18 23	3 29	12 30	1 16	20 33	1 49	15 43	1 17	1 30	1 42	16 13	2 35	2 41	0 33	12 7	1 55	32 5	8 11	9 29	10 2	17 53		n.a.
T 12	9 7	19 12	4 12	12 54	1 0	20 32	1 42	15 54	1 17	1 33	1 42	16 15	2 35	2 42	0 33	12 8	1 55	32 5	8 12	9 29	10 1	17 52		n.a.
W13	8 45	19 10	4 43	13 17	0 44	20 29	1 36	16 6	1 17	1 36	1 42	16 16	2 35	2 44	0 33	12 8	1 55	32 5	8 12	9 28	9 59	17 51		n.a.
T 14	8 23	18 17	5 2	13 38	0 28	20 27	1 29	16 17	1 17	1 38	1 42	16 18	2 35	2 45	0 33	12 9	1 55	32 5	8 12	9 26	9 58	17 51		n.a.
F 15	8 1	16 37	5 8	13 58	0 12	20 23	1 22	16 29	1 17	1 41	1 42	16 19	2 35	2 46	0 33	12 9	1 55	32 6	8 13	9 24	9 57	17 50		n.a.
S 16	7 38	14 13	5 1	14 15	0s 3	20 20	1 16	16 40	1 18	1 44	1 42	16 21	2 35	2 48	0 33	12 10	1 55	32 6	8 13	9 21	9 56	17 49		n.a.
S 17	7 16	11 12	4 40	14 31	0 18	20 15	1 10	16 51	1 18	1 47	1 42	16 22	2 35	2 49	0 33	12 11	1 55	32 6	8 13	9 18	9 55	17 48		n.a.
M18	6 53	7 39	4 7	14 44	0 32	20 10	1 3	17 2	1 18	1 50	1 42	16 23	2 35	2 50	0 33	12 11	1 55	32 7	8 13	9 15	9 53	17 47		n.a.
T 19	6 31	3 45	3 21	14 55	0 46	20 5	0 57	17 13	1 18	1 53	1 42	16 25	2 35	2 51	0 33	12 12	1 55	32 7	8 14	9 13	9 52	17 46		n.a.
W20	6 8	0n23	2 24	15 4	0 59	19 59	0 51	17 24	1 18	1 56	1 42	16 26	2 35	2 53	0 33	12 12	1 55	32 7	8 14	9 11	9 51	17 45		n.a.
T 21	5 45	4 35	1 20	15 11	1 11	19 53	0 45	17 35	1 18	1 59	1 42	16 27	2 35	2 54	0 33	12 13	1 55	32 7	8 14	9 10	9 50	17 44		n.a.
F 22	5 22	8 37	0 10	15 15	1 23	19 45	0 39	17 45	1 18	2 1	1 42	16 29	2 35	2 55	0 33	12 13	1 55	32 8	8 14	9 10	9 49	17 43		n.a.
S 23	4 59	12 18	1s 2	15 18	1 34	19 38	0 33	17 56	1 18	2 4	1 42	16 30	2 35	2 57	0 33	12 14	1 55	32 8	8 15	9 10	9 48	17 42		n.a.
S 24	4 36	15 24	2 11	15 18	1 44	19 30	0 28	18 7	1 19	2 7	1 42	16 31	2 35	2 58	0 33	12 15	1 55	32 8	8 15	9 10	9 46	17 41		n.a.
M25	4 13	17 41	3 14	15 16	1 54	19 21	0 22	18 17	1 19	2 10	1 42	16 32	2 35	3 0	0 33	12 15	1 55	32 8	8 15	9 11	9 45	17 40		n.a.
T 26	3 50	18 59	4 7	15 11	2 3	19 12	0 16	18 28	1 19	2 14	1 42	16 34	2 35	3 1	0 33	12 16	1 55	32 9	8 16	9 11	9 44	17 39		n.a.
W27	3 27	19 7	4 46	15 5	2 11	19 2	0 11	18 38	1 19	2 17	1 42	16 35	2 35	3 2	0 33	12 16	1 55	32 9	8 16	9 11	9 43	17 38		n.a.
T 28	3 4	18 2	5 8	14 56	2 18	18 51	0 6	18 48	1 19	2 20	1 42	16 36	2 35	3 4	0 33	12 17	1 55	32 9	8 16	9 11	9 42	17 37		n.a.
F 29	2 40	15 48	5 11	14 46	2 24	18 41	0 1	18 58	1 19	2 23	1 42	16 37	2 34	3 5	0 33	12 17	1 55	32 10	8 16	9 10	9 40	17 36		n.a.
S 30	2 17	12 33	4 54	14 33	2 30	18 29	0s 5	19 8	1 19	2 26	1 42	16 38	2 34	3 6	0 33	12 18	1 55	32 10	8 17	9 8	9 39	17 35		n.a.
S 31	1s54	8n32	4s18	14s19	2s35	18s17	0s10	19n18	1n19	2n29	1n42	16n39	2n34	3n 8	0s33	12n18	1n55	32s10	8s17	9s 7	9s38	17s34		n.a.

Julian Day Number = 1110784.5, Delta T = 10h52m39s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'06, Lahiri = -27°01'06 Julian Calendar 1 March 1672 BCE == Greg. Calendar 15 Feb. 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

APRIL 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 39 15	26♓16'07	11♍55	0♓22	10♒49	20♉27	27°R36	22°R34	9♈ 3	3°R10	0♏43	22°R58	24♎21	18♏12	n.a.	M 1
T 2	11 43 11	27°13'43	26° 9	1°22	11°51	21° 2	27♍28	22♌30	9° 6	3♍ 8	0°43	22♎55	24°18	18°19	n.a.	T 2
W 3	11 47 8	28°11'18	10♎ 6	2°26	12°54	21°38	27°21	22°27	9°10	3° 7	0°44	22°53	24°15	18°26	n.a.	W 3
T 4	11 51 4	29° 8'52	23°42	3°32	13°57	22°13	27°13	22°24	9°13	3° 5	0°44	22°D53	24°12	18°32	n.a.	T 4
F 5	11 55 1	0♈ 6'24	6♏55	4°42	15° 1	22°49	27° 6	22°21	9°17	3° 4	0°44	22°53	24° 9	18°39	n.a.	F 5
S 6	11 58 58	1° 3'56	19°47	5°54	16° 4	23°24	26°58	22°18	9°20	3° 2	0°45	22°55	24° 6	18°46	n.a.	S 6
S 7	12 2 54	2° 1'26	2♐19	7° 8	17° 8	24° 0	26°50	22°15	9°24	3° 1	0°45	22°56	24° 2	18°52	n.a.	S 7
M 8	12 6 51	2°58'55	14°35	8°26	18°12	24°35	26°43	22°12	9°27	3° 0	0°45	22°57	23°59	18°59	n.a.	M 8
T 9	12 10 47	3°56'23	26°39	9°45	19°16	25°11	26°35	22° 9	9°31	2°58	0°45	22°58	23°56	19° 6	n.a.	T 9
W10	12 14 44	4°53'50	8♑35	11° 8	20°21	25°47	26°28	22° 6	9°34	2°57	0°45	22°R58	23°53	19°13	n.a.	W10
T 11	12 18 40	5°51'16	20°28	12°33	21°25	26°22	26°20	22° 4	9°37	2°56	0°46	22°58	23°50	19°19	n.a.	T 11
F 12	12 22 37	6°48'41	2♒23	14° 0	22°30	26°58	26°13	22° 1	9°41	2°54	0°46	22°56	23°46	19°26	n.a.	F 12
S 13	12 26 33	7°46'06	14°23	15°30	23°35	27°34	26° 5	21°58	9°44	2°53	0°46	22°55	23°43	19°33	n.a.	S 13
S 14	12 30 30	8°43'29	26°33	17° 2	24°40	28°10	25°58	21°56	9°48	2°52	0°46	22°53	23°40	19°39	n.a.	S 14
M15	12 34 27	9°40'51	8♓55	18°37	25°45	28°46	25°51	21°54	9°51	2°51	0°46	22°51	23°37	19°46	n.a.	M15
T 16	12 38 23	10°38'12	21°31	20°14	26°51	29°21	25°44	21°51	9°55	2°49	0°R46	22°49	23°34	19°53	n.a.	T 16
W17	12 42 20	11°35'33	4♈23	21°53	27°56	29°57	25°37	21°49	9°58	2°48	0°46	22°48	23°31	20° 0	n.a.	W17
T 18	12 46 16	12°32'52	17°30	23°35	29° 2	0♊33	25°29	21°47	10° 2	2°47	0°46	22°D47	23°27	20° 6	n.a.	T 18
F 19	12 50 13	13°30'11	0♉53	25°19	0♓ 8	1° 9	25°22	21°45	10° 5	2°46	0°46	22°47	23°24	20°13	n.a.	F 19
S 20	12 54 9	14°27'28	14°29	27° 5	1°14	1°45	25°16	21°43	10° 9	2°45	0°46	22°48	23°21	20°20	n.a.	S 20
S 21	12 58 6	15°24'44	28°18	28°54	2°20	2°21	25° 9	21°41	10°12	2°44	0°45	22°48	23°18	20°27	n.a.	S 21
M22	13 2 2	16°22'00	12♊17	0♈45	3°27	2°57	25° 2	21°40	10°16	2°43	0°45	22°49	23°15	20°33	n.a.	M22
T 23	13 5 59	17°19'14	26°23	2°38	4°33	3°33	24°55	21°38	10°19	2°41	0°45	22°50	23°11	20°40	n.a.	T 23
W24	13 9 56	18°16'27	10♋35	4°34	5°40	4°10	24°49	21°37	10°23	2°40	0°45	22°50	23° 8	20°47	n.a.	W24
T 25	13 13 52	19°13'39	24°49	6°32	6°47	4°46	24°43	21°35	10°26	2°39	0°45	22°R50	23° 5	20°53	n.a.	T 25
F 26	13 17 49	20°10'50	9♌ 4	8°32	7°54	5°22	24°36	21°34	10°30	2°38	0°44	22°50	23° 2	21° 0	n.a.	F 26
S 27	13 21 45	21° 8'00	23°16	10°33	9° 1	5°58	24°30	21°33	10°33	2°38	0°44	22°50	22°59	21° 7	n.a.	S 27
S 28	13 25 42	22° 5'09	7♍23	12°37	10° 8	6°34	24°24	21°31	10°37	2°37	0°44	22°49	22°56	21°14	n.a.	S 28
M29	13 29 38	23° 2'17	21°22	14°42	11°15	7°11	24°18	21°30	10°40	2°36	0°44	22°D49	22°52	21°20	n.a.	M29
T 30	13 33 35	23♈59'24	5♎ 9	16♈49	12♓22	7♊47	24♍12	21♌29	10♈44	2♍35	0♏43	22♎49	22♎49	21♏27	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1s31	4n 3	3s26	14s 2	2s40	18s 5	0s14	19n28	1n19	2n32	1n42	16n40	2n34	3n 9	0s33	12n19	1n55	32s10	8s17	9s 5	9s37	17s33		n.a.
T 2	1 7	0s36	2 21	13 43	2 43	17 52	0 19	19 38	1 19	2 35	1 42	16 41	2 34	3 11	0 33	12 20	1 55	32 11	8 18	9 4	9 36	17 32		n.a.
W 3	0 44	5 8	1 10	13 23	2 46	17 38	0 24	19 47	1 19	2 38	1 42	16 42	2 34	3 12	0 33	12 20	1 55	32 11	8 18	9 4	9 34	17 31		n.a.
T 4	0 21	9 18	0n 4	13 0	2 48	17 24	0 28	19 57	1 19	2 41	1 42	16 43	2 34	3 13	0 33	12 21	1 55	32 11	8 18	9 3	9 33	17 30		n.a.
F 5	0n 3	12 53	1 17	12 36	2 50	17 10	0 33	20 6	1 19	2 44	1 42	16 44	2 34	3 15	0 33	12 21	1 55	32 12	8 18	9 4	9 32	17 29		n.a.
S 6	0 26	15 43	2 23	12 9	2 51	16 54	0 37	20 15	1 20	2 47	1 42	16 45	2 33	3 16	0 33	12 22	1 55	32 12	8 19	9 4	9 31	17 28		n.a.
S 7	0 49	17 44	3 20	11 41	2 51	16 39	0 41	20 24	1 20	2 50	1 42	16 46	2 33	3 17	0 33	12 22	1 55	32 12	8 19	9 5	9 30	17 27		n.a.
M 8	1 12	18 53	4 8	11 11	2 51	16 23	0 46	20 33	1 20	2 53	1 42	16 47	2 33	3 19	0 33	12 23	1 55	32 12	8 19	9 5	9 28	17 26		n.a.
T 9	1 36	19 8	4 43	10 40	2 49	16 6	0 50	20 42	1 20	2 56	1 42	16 48	2 33	3 20	0 33	12 23	1 55	32 13	8 20	9 6	9 27	17 25		n.a.
W10	1 59	18 31	5 6	10 6	2 48	15 49	0 54	20 51	1 20	2 59	1 42	16 48	2 33	3 22	0 33	12 23	1 55	32 13	8 20	9 6	9 26	17 24		n.a.
T 11	2 22	17 6	5 15	9 31	2 45	15 32	0 57	21 0	1 20	3 2	1 41	16 49	2 33	3 23	0 33	12 24	1 55	32 13	8 20	9 5	9 25	17 23		n.a.
F 12	2 45	14 57	5 11	8 54	2 42	15 14	1 1	21 8	1 20	3 5	1 41	16 50	2 33	3 24	0 33	12 24	1 55	32 13	8 20	9 5	9 24	17 22		n.a.
S 13	3 8	12 8	4 54	8 15	2 39	14 56	1 5	21 17	1 20	3 7	1 41	16 51	2 32	3 26	0 33	12 25	1 55	32 14	8 21	9 4	9 23	17 21		n.a.
S 14	3 31	8 47	4 23	7 35	2 34	14 37	1 8	21 25	1 20	3 10	1 41	16 51	2 32	3 27	0 33	12 25	1 55	32 14	8 21	9 3	9 21	17 20		n.a.
M15	3 54	5 0	3 39	6 52	2 30	14 17	1 12	21 33	1 20	3 13	1 41	16 52	2 32	3 29	0 33	12 26	1 55	32 14	8 21	9 3	9 20	17 19		n.a.
T 16	4 17	0 55	2 44	6 9	2 24	13 58	1 15	21 41	1 20	3 16	1 41	16 52	2 32	3 30	0 33	12 26	1 55	32 15	8 22	9 2	9 19	17 18		n.a.
W17	4 40	3n18	1 40	5 23	2 18	13 38	1 18	21 49	1 20	3 19	1 41	16 53	2 32	3 32	0 33	12 27	1 55	32 15	8 22	9 2	9 18	17 17		n.a.
T 18	5 3	7 27	0 29	4 36	2 12	13 17	1 21	21 57	1 20	3 21	1 40	16 54	2 32	3 33	0 33	12 27	1 55	32 15	8 22	9 1	9 17	17 16		n.a.
F 19	5 26	11 18	0s45	3 48	2 5	12 56	1 24	22 5	1 20	3 24	1 40	16 54	2 31	3 34	0 33	12 27	1 55	32 15	8 22	9 1	9 15	17 15		n.a.
S 20	5 48	14 37	1 57	2 58	1 57	12 35	1 27	22 12	1 20	3 27	1 40	16 55	2 31	3 36	0 32	12 28	1 55	32 16	8 23	9 2	9 14	17 14		n.a.
S 21	6 11	17 10	3 4	2 7	1 49	12 13	1 30	22 20	1 20	3 29	1 40	16 55	2 31	3 37	0 32	12 28	1 54	32 16	8 23	9 2	9 13	17 13		n.a.
M22	6 33	18 42	4 1	1 14	1 41	11 51	1 32	22 27	1 20	3 32	1 40	16 55	2 31	3 39	0 32	12 28	1 54	32 16	8 23	9 2	9 12	17 12		n.a.
T 23	6 55	19 6	4 44	0 20	1 32	11 29	1 35	22 34	1 20	3 34	1 39	16 56	2 31	3 40	0 32	12 29	1 54	32 17	8 24	9 2	9 11	17 11		n.a.
W24	7 18	18 19	5 10	0n35	1 23	11 6	1 37	22 41	1 20	3 37	1 39	16 56	2 31	3 41	0 32	12 29	1 54	32 17	8 24	9 2	9 9	17 10		n.a.
T 25	7 40	16 22	5 17	1 32	1 13	10 43	1 39	22 48	1 20	3 39	1 39	16 56	2 30	3 43	0 32	12 29	1 54	32 17	8 24	9 2	9 8	17 9		n.a.
F 26	8 2	13 26	5 4	2 29	1 3	10 20	1 42	22 54	1 20	3 41	1 39	16 57	2 30	3 44	0 32	12 30	1 54	32 17	8 24	9 2	9 7	17 8		n.a.
S 27	8 24	9 43	4 33	3 27	0 53	9 56	1 44	23 1	1 20	3 44	1 39	16 57	2 30	3 45	0 32	12 30	1 54	32 18	8 25	9 2	9 6	17 7		n.a.
S 28	8 45	5 28	3 46	4 26	0 42	9 32	1 46	23 7	1 20	3 46	1 38	16 57	2 30	3 47	0 32	12 30	1 54	32 18	8 25	9 2	9 5	17 6		n.a.
M29	9 7	0 57	2 46	5 25	0 32	9 8	1 47	23 14	1 20	3 48	1 38	16 57	2 30	3 48	0 32	12 31	1 54	32 18	8 25	9 2	9 3	17 5		n.a.
T 30	9n29	3s33	1s36	6n24	0s21	8s43	1s49	23n20	1n20	3n50	1n38	16n57	2n29	3n50	0s32	12n31	1n54	32s19	8s25	9s 2	9s 2	17s 4		n.a.

Julian Day Number = 1110815.5, Delta T = 10h52m37s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°08'02, Lahiri = -27°01'02 Julian Calendar 1 Apr. 1672 BCE == Greg. Calendar 18 March 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

MAY 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 37 31	24♈56'30	18♎43	18♈58	13♓30	8♊23	24°R 7	21°R28	10♈47	2°R34	0°R43	22°R50	22♎46	21♑34	n.a.	W 1
T 2	13 41 28	25°53'36	2♏ 1	21° 7	14°37	9° 0	24♍ 1	21♌28	10°50	2♍33	0♑42	22♎50	22°43	21°41	n.a.	T 2
F 3	13 45 25	26°50'41	15° 2	23°17	15°45	9°36	23°56	21°27	10°54	2°32	0°42	22°49	22°40	21°47	n.a.	F 3
S 4	13 49 21	27°47'46	27°46	25°28	16°53	10°12	23°50	21°26	10°57	2°32	0°42	22°49	22°37	21°54	n.a.	S 4
S 5	13 53 18	28°44'51	10♐15	27°40	18° 1	10°49	23°45	21°26	11° 1	2°31	0°41	22°48	22°33	22° 1	n.a.	S 5
M 6	13 57 14	29°41'56	22°30	29°51	19° 9	11°25	23°40	21°26	11° 4	2°30	0°41	22°47	22°30	22° 7	n.a.	M 6
T 7	14 1 11	0♑39'00	4♑34	2♑ 2	20°17	12° 2	23°35	21°25	11° 7	2°29	0°40	22°47	22°27	22°14	n.a.	T 7
W 8	14 5 7	1°36'04	16°31	4°13	21°26	12°38	23°31	21°25	11°11	2°29	0°40	22°46	22°24	22°21	n.a.	W 8
T 9	14 9 4	2°33'09	28°24	6°23	22°34	13°15	23°26	21°25	11°14	2°28	0°39	22°D45	22°21	22°28	n.a.	T 9
F 10	14 13 0	3°30'13	10♒19	8°32	23°42	13°52	23°22	21°D25	11°17	2°27	0°38	22°46	22°17	22°34	n.a.	F 10
S 11	14 16 57	4°27'17	22°20	10°40	24°51	14°28	23°17	21°25	11°21	2°27	0°38	22°46	22°14	22°41	n.a.	S 11
S 12	14 20 54	5°24'21	4♓31	12°47	26° 0	15° 5	23°13	21°25	11°24	2°26	0°37	22°47	22°11	22°48	n.a.	S 12
M13	14 24 50	6°21'25	16°57	14°52	27° 8	15°42	23° 9	21°26	11°27	2°26	0°37	22°48	22° 8	22°55	n.a.	M13
T 14	14 28 47	7°18'29	29°40	16°55	28°17	16°18	23° 6	21°26	11°30	2°25	0°36	22°49	22° 5	23° 1	n.a.	T 14
W15	14 32 43	8°15'33	12♈43	18°57	29°26	16°55	23° 2	21°26	11°34	2°25	0°35	22°50	22° 2	23° 8	n.a.	W15
T 16	14 36 40	9°12'38	26° 8	20°57	0♈35	17°32	22°59	21°27	11°37	2°24	0°34	22°R50	21°58	23°15	n.a.	T 16
F 17	14 40 36	10° 9'42	9♉52	22°56	1°44	18° 9	22°55	21°28	11°40	2°24	0°34	22°50	21°55	23°21	n.a.	F 17
S 18	14 44 33	11° 6'46	23°54	24°52	2°54	18°46	22°52	21°28	11°43	2°24	0°33	22°48	21°52	23°28	n.a.	S 18
S 19	14 48 30	12° 3'51	8♊11	26°46	4° 3	19°22	22°49	21°29	11°46	2°23	0°32	22°46	21°49	23°35	n.a.	S 19
M20	14 52 26	13° 0'55	22°36	28°38	5°12	19°59	22°47	21°30	11°49	2°23	0°31	22°43	21°46	23°42	n.a.	M20
T 21	14 56 23	13°57'59	7♋ 5	0♊28	6°22	20°36	22°44	21°31	11°52	2°23	0°31	22°41	21°43	23°48	n.a.	T 21
W22	15 0 19	14°55'03	21°32	2°17	7°31	21°13	22°42	21°33	11°56	2°23	0°30	22°39	21°39	23°55	n.a.	W22
T 23	15 4 16	15°52'07	5♌52	4° 3	8°41	21°50	22°39	21°34	11°59	2°22	0°29	22°37	21°36	24° 2	n.a.	T 23
F 24	15 8 12	16°49'11	20° 4	5°47	9°51	22°27	22°37	21°35	12° 2	2°22	0°28	22°D37	21°33	24° 8	n.a.	F 24
S 25	15 12 9	17°46'15	4♍ 4	7°29	11° 0	23° 4	22°36	21°37	12° 5	2°22	0°27	22°38	21°30	24°15	n.a.	S 25
S 26	15 16 5	18°43'18	17°51	9° 9	12°10	23°41	22°34	21°38	12° 8	2°22	0°26	22°39	21°27	24°22	n.a.	S 26
M27	15 20 2	19°40'22	1♎26	10°46	13°20	24°19	22°32	21°40	12°11	2°22	0°25	22°41	21°23	24°29	n.a.	M27
T 28	15 23 59	20°37'26	14°48	12°22	14°30	24°56	22°31	21°42	12°13	2°22	0°24	22°42	21°20	24°35	n.a.	T 28
W29	15 27 55	21°34'30	27°57	13°56	15°40	25°33	22°30	21°43	12°16	2°D22	0°23	22°R42	21°17	24°42	n.a.	W29
T 30	15 31 52	22°31'34	10♏53	15°28	16°50	26°10	22°29	21°45	12°19	2°22	0°22	22°41	21°14	24°49	n.a.	T 30
F 31	15 35 48	23♑28'39	23♏37	16♊57	18♈ 1	26♊47	22♍28	21♌47	12♈22	2♍22	0♑21	22♎38	21♎11	24♑56	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	9n50	7s49	0s23	7n24	0s10	8s18	1s51	23n26	1n20	3n52	1n38	16n58	2n29	3n51	0s32	12n31	1n54	32s19	8s26	9s 2	9s 1	17s 3			n.a.
T 2	10 11	11 36	0n51	8 24	0n 0	7 53	1 52	23 31	1 20	3 54	1 38	16 58	2 29	3 52	0 32	12 32	1 54	32 19	8 26	9 2	9 0	17 2			n.a.
F 3	10 32	14 44	2 0	9 23	0 11	7 28	1 54	23 37	1 20	3 56	1 37	16 58	2 29	3 54	0 32	12 32	1 54	32 19	8 26	9 2	8 59	17 0			n.a.
S 4	10 53	17 5	3 2	10 22	0 21	7 2	1 55	23 43	1 20	3 58	1 37	16 58	2 29	3 55	0 32	12 32	1 54	32 20	8 27	9 2	8 57	16 59			n.a.
S 5	11 14	18 33	3 54	11 19	0 32	6 36	1 56	23 48	1 20	4 0	1 37	16 58	2 29	3 56	0 32	12 32	1 54	32 20	8 27	9 2	8 56	16 58			n.a.
M 6	11 34	19 7	4 34	12 16	0 41	6 10	1 58	23 53	1 20	4 2	1 37	16 58	2 28	3 58	0 32	12 32	1 54	32 20	8 27	9 1	8 55	16 57			n.a.
T 7	11 55	18 48	5 1	13 12	0 51	5 44	1 59	23 58	1 20	4 4	1 36	16 57	2 28	3 59	0 32	12 33	1 54	32 20	8 27	9 1	8 54	16 56			n.a.
W 8	12 15	17 38	5 15	14 6	1 0	5 17	2 0	24 3	1 20	4 5	1 36	16 57	2 28	4 0	0 32	12 33	1 54	32 21	8 28	9 1	8 53	16 55			n.a.
T 9	12 35	15 44	5 15	14 58	1 8	4 50	2 0	24 8	1 19	4 7	1 36	16 57	2 28	4 2	0 32	12 33	1 54	32 21	8 28	9 1	8 51	16 54			n.a.
F 10	12 55	13 9	5 2	15 49	1 16	4 23	2 1	24 12	1 19	4 8	1 35	16 57	2 27	4 3	0 32	12 33	1 54	32 21	8 28	9 1	8 50	16 53			n.a.
S 11	13 15	9 59	4 35	16 38	1 24	3 56	2 2	24 17	1 19	4 10	1 35	16 57	2 27	4 4	0 32	12 33	1 54	32 22	8 28	9 1	8 49	16 52			n.a.
S 12	13 34	6 22	3 56	17 24	1 31	3 29	2 2	24 21	1 19	4 11	1 35	16 56	2 27	4 6	0 32	12 34	1 54	32 22	8 29	9 1	8 48	16 51			n.a.
M13	13 53	2 24	3 6	18 8	1 37	3 2	2 3	24 25	1 19	4 13	1 35	16 56	2 27	4 7	0 33	12 34	1 54	32 22	8 29	9 2	8 47	16 50			n.a.
T 14	14 12	1n46	2 5	18 50	1 42	2 34	2 3	24 29	1 19	4 14	1 34	16 56	2 27	4 8	0 33	12 34	1 53	32 22	8 29	9 2	8 45	16 49			n.a.
W15	14 31	5 58	0 56	19 30	1 47	2 6	2 3	24 32	1 19	4 15	1 34	16 56	2 26	4 9	0 33	12 34	1 53	32 23	8 29	9 2	8 44	16 48			n.a.
T 16	14 50	9 59	0s18	20 7	1 51	1 39	2 4	24 36	1 19	4 16	1 34	16 55	2 26	4 11	0 33	12 34	1 53	32 23	8 30	9 3	8 43	16 46			n.a.
F 17	15 8	13 35	1 33	20 42	1 55	1 11	2 4	24 39	1 19	4 17	1 33	16 55	2 26	4 12	0 33	12 34	1 53	32 23	8 30	9 2	8 42	16 45			n.a.
S 18	15 26	16 28	2 43	21 14	1 58	0 43	2 4	24 43	1 19	4 18	1 33	16 54	2 26	4 13	0 33	12 34	1 53	32 23	8 30	9 2	8 40	16 44			n.a.
S 19	15 44	18 23	3 44	21 44	2 0	0 15	2 3	24 46	1 19	4 19	1 33	16 54	2 26	4 14	0 33	12 34	1 53	32 24	8 30	9 1	8 39	16 43			n.a.
M20	16 2	19 9	4 32	22 12	2 1	0n14	2 3	24 49	1 19	4 20	1 33	16 53	2 25	4 16	0 33	12 34	1 53	32 24	8 31	9 0	8 38	16 42			n.a.
T 21	16 20	18 39	5 3	22 37	2 2	0 42	2 3	24 51	1 19	4 21	1 32	16 53	2 25	4 17	0 33	12 34	1 53	32 24	8 31	8 59	8 37	16 41			n.a.
W22	16 37	16 57	5 14	23 0	2 2	1 10	2 3	24 54	1 19	4 21	1 32	16 52	2 25	4 18	0 33	12 34	1 53	32 24	8 31	8 58	8 36	16 40			n.a.
T 23	16 54	14 13	5 6	23 21	2 2	1 38	2 2	24 56	1 18	4 22	1 32	16 51	2 25	4 19	0 33	12 35	1 53	32 24	8 31	8 58	8 34	16 39			n.a.
F 24	17 10	10 39	4 39	23 39	2 1	2 7	2 2	24 58	1 18	4 22	1 31	16 51	2 25	4 21	0 33	12 35	1 53	32 25	8 32	8 58	8 33	16 38			n.a.
S 25	17 27	6 33	3 56	23 55	1 59	2 35	2 1	25 0	1 18	4 23	1 31	16 50	2 24	4 22	0 33	12 35	1 53	32 25	8 32	8 58	8 32	16 36			n.a.
S 26	17 43	2 8	3 0	24 9	1 57	3 4	2 0	25 2	1 18	4 23	1 31	16 49	2 24	4 23	0 33	12 35	1 53	32 25	8 32	8 58	8 31	16 35			n.a.
M27	17 59	2s19	1 54	24 21	1 54	3 32	1 59	25 4	1 18	4 24	1 30	16 49	2 24	4 24	0 33	12 35	1 53	32 25	8 32	8 59	8 30	16 34			n.a.
T 28	18 14	6 36	0 43	24 31	1 50	4 0	1 59	25 5	1 18	4 24	1 30	16 48	2 24	4 25	0 33	12 34	1 53	32 26	8 32	8 59	8 28	16 33			n.a.
W29	18 30	10 30	0n29	24 39	1 46	4 29	1 58	25 6	1 18	4 24	1 30	16 47	2 24	4 26	0 33	12 34	1 53	32 26	8 33	8 59	8 27	16 32			n.a.
T 30	18 45	13 49	1 38	24 46	1 42	4 57	1 57	25 7	1 18	4 24	1 29	16 46	2 23	4 27	0 33	12 34	1 53	32 26	8 33	8 59	8 26	16 31			n.a.
F 31	18n59	16s26	2n41	24n50	1n36	5n25	1s55	25n 8	1n18	4n24	1n29	16n45	2n23	4n29	0s33	12n34	1n53	32s26	8s33	8s58	8s25	16s30			n.a.

Julian Day Number = 1110845.5, Delta T = 10h52m35s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'58, Lahiri = -27°00'58 Julian Calendar 1 May 1672 BCE == Greg. Calendar 17 Apr. 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

JUNE 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 39 45	24♉25'44	6♐ 9	18♊24	19♈11	27♊25	22°R28	21♌49	12♈25	2♍22	0°R20	22°R34	21♎ 8	25♑ 2	n.a.	S 1
S 2	15 43 41	25°22'50	18°29	19°50	20°21	28° 2	22♍27	21°52	12°28	2°22	0♑19	22♎29	21° 4	25° 9	n.a.	S 2
M 3	15 47 38	26°19'56	0♑39	21°13	21°32	28°39	22°27	21°54	12°30	2°22	0°18	22°23	21° 1	25°16	n.a.	M 3
T 4	15 51 35	27°17'03	12°40	22°34	22°42	29°17	22°D27	21°56	12°33	2°22	0°17	22°17	20°58	25°22	n.a.	T 4
W 5	15 55 31	28°14'11	24°35	23°52	23°53	29°54	22°27	21°59	12°36	2°23	0°16	22°12	20°55	25°29	n.a.	W 5
T 6	15 59 28	29°11'20	6♒28	25° 8	25° 4	0♋32	22°27	22° 1	12°39	2°23	0°15	22° 8	20°52	25°36	n.a.	T 6
F 7	16 3 24	0♊ 8'29	18°21	26°22	26°14	1° 9	22°28	22° 4	12°41	2°23	0°14	22° 6	20°48	25°43	n.a.	F 7
S 8	16 7 21	1° 5'40	0♓20	27°34	27°25	1°47	22°29	22° 7	12°44	2°23	0°13	22°D 5	20°45	25°49	n.a.	S 8
S 9	16 11 17	2° 2'52	12°30	28°43	28°36	2°24	22°30	22°10	12°46	2°24	0°12	22° 5	20°42	25°56	n.a.	S 9
M10	16 15 14	3° 0'04	24°54	29°49	29°47	3° 2	22°31	22°13	12°49	2°24	0°10	22° 7	20°39	26° 3	n.a.	M10
T 11	16 19 10	3°57'18	7♈38	0♋53	0♉58	3°39	22°32	22°16	12°51	2°24	0° 9	22° 8	20°36	26°10	n.a.	T 11
W12	16 23 7	4°54'33	20°46	1°54	2° 9	4°17	22°33	22°19	12°54	2°25	0° 8	22°R 9	20°33	26°16	n.a.	W12
T 13	16 27 4	5°51'48	4♉19	2°52	3°20	4°55	22°35	22°22	12°56	2°25	0° 7	22° 8	20°29	26°23	n.a.	T 13
F 14	16 31 0	6°49'05	18°17	3°47	4°31	5°32	22°37	22°25	12°59	2°26	0° 6	22° 6	20°26	26°30	n.a.	F 14
S 15	16 34 57	7°46'23	2♊39	4°39	5°43	6°10	22°38	22°28	13° 1	2°26	0° 4	22° 1	20°23	26°36	n.a.	S 15
S 16	16 38 53	8°43'42	17°20	5°28	6°54	6°48	22°41	22°32	13° 3	2°27	0° 3	21°55	20°20	26°43	n.a.	S 16
M17	16 42 50	9°41'02	2♋11	6°14	8° 5	7°26	22°43	22°35	13° 6	2°27	0° 2	21°48	20°17	26°50	n.a.	M17
T 18	16 46 46	10°38'23	17° 5	6°55	9°17	8° 3	22°45	22°39	13° 8	2°28	0° 1	21°41	20°14	26°57	n.a.	T 18
W19	16 50 43	11°35'45	1♌53	7°33	10°28	8°41	22°48	22°43	13°10	2°29	29♐59	21°35	20°10	27° 3	n.a.	W19
T 20	16 54 40	12°33'08	16°29	8° 8	11°40	9°19	22°51	22°46	13°12	2°29	29°58	21°30	20° 7	27°10	n.a.	T 20
F 21	16 58 36	13°30'31	0♍46	8°38	12°52	9°57	22°54	22°50	13°14	2°30	29°57	21°28	20° 4	27°17	n.a.	F 21
S 22	17 2 33	14°27'55	14°45	9° 3	14° 3	10°35	22°57	22°54	13°16	2°31	29°56	21°D27	20° 1	27°23	n.a.	S 22
S 23	17 6 29	15°25'20	28°23	9°24	15°15	11°13	23° 0	22°58	13°18	2°32	29°54	21°28	19°58	27°30	n.a.	S 23
M24	17 10 26	16°22'46	11♎43	9°41	16°27	11°51	23° 4	23° 2	13°20	2°33	29°53	21°28	19°54	27°37	n.a.	M24
T 25	17 14 22	17°20'13	24°46	9°53	17°39	12°29	23° 8	23° 6	13°22	2°33	29°52	21°R29	19°51	27°44	n.a.	T 25
W26	17 18 19	18°17'41	7♏36	9°59	18°51	13° 7	23°11	23°11	13°24	2°34	29°51	21°27	19°48	27°50	n.a.	W26
T 27	17 22 15	19°15'10	20°13	10°R 1	20° 3	13°46	23°15	23°15	13°26	2°35	29°49	21°24	19°45	27°57	n.a.	T 27
F 28	17 26 12	20°12'40	2♐40	9°57	21°15	14°24	23°20	23°19	13°28	2°36	29°48	21°18	19°42	28° 4	n.a.	F 28
S 29	17 30 9	21°10'12	14°58	9°47	22°27	15° 2	23°24	23°24	13°30	2°37	29°47	21° 9	19°39	28°11	n.a.	S 29
S 30	17 34 5	22♊ 7'45	27♐ 7	9♋33	23♉39	15♋40	23♍28	23♌28	13♈31	2♍38	29♐45	20♎59	19♎35	28♑17	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n14	18s12	3n35	24n53	1n31	5n53	1s54	25n 9	1n17	4n24	1n29	16n45	2n23	4n30	0s33	12n34	1n52	32s26	8s33	8s56	8s24	16s29		n.a.
S 2	19 28	19 5	4 18	24 54	1 25	6 21	1 53	25 10	1 17	4 24	1 28	16 44	2 23	4 31	0 33	12 34	1 52	32 27	8 33	8 54	8 22	16 27		n.a.
M 3	19 42	19 4	4 49	24 53	1 18	6 49	1 52	25 10	1 17	4 24	1 28	16 43	2 23	4 32	0 33	12 34	1 52	32 27	8 34	8 52	8 21	16 26		n.a.
T 4	19 55	18 11	5 6	24 51	1 11	7 17	1 50	25 10	1 17	4 23	1 28	16 42	2 22	4 33	0 33	12 34	1 52	32 27	8 34	8 50	8 20	16 25		n.a.
W 5	20 8	16 31	5 11	24 48	1 3	7 45	1 49	25 10	1 17	4 23	1 28	16 41	2 22	4 34	0 33	12 34	1 52	32 27	8 34	8 48	8 19	16 24		n.a.
T 6	20 21	14 9	5 1	24 43	0 55	8 13	1 47	25 10	1 17	4 23	1 27	16 40	2 22	4 35	0 33	12 34	1 52	32 27	8 34	8 47	8 17	16 23		n.a.
F 7	20 34	11 11	4 39	24 37	0 47	8 41	1 46	25 10	1 17	4 22	1 27	16 39	2 22	4 36	0 33	12 33	1 52	32 28	8 34	8 46	8 16	16 22		n.a.
S 8	20 46	7 45	4 4	24 29	0 38	9 8	1 44	25 9	1 17	4 22	1 27	16 37	2 22	4 37	0 33	12 33	1 52	32 28	8 35	8 45	8 15	16 20		n.a.
S 9	20 57	3 57	3 18	24 21	0 28	9 35	1 42	25 8	1 16	4 21	1 26	16 36	2 21	4 38	0 33	12 33	1 52	32 28	8 35	8 46	8 14	16 19		n.a.
M10	21 9	0n 7	2 22	24 12	0 18	10 2	1 41	25 7	1 16	4 20	1 26	16 35	2 21	4 39	0 33	12 33	1 52	32 28	8 35	8 46	8 13	16 18		n.a.
T 11	21 20	4 16	1 18	24 1	0 8	10 29	1 39	25 6	1 16	4 19	1 26	16 34	2 21	4 40	0 33	12 33	1 52	32 28	8 35	8 47	8 11	16 17		n.a.
W12	21 31	8 22	0 8	23 50	0s 2	10 56	1 37	25 5	1 16	4 19	1 25	16 33	2 21	4 41	0 33	12 33	1 52	32 28	8 35	8 47	8 10	16 16		n.a.
T 13	21 41	12 10	1s 5	23 38	0 13	11 22	1 35	25 3	1 16	4 18	1 25	16 32	2 21	4 42	0 33	12 32	1 52	32 29	8 35	8 47	8 9	16 15		n.a.
F 14	21 51	15 25	2 17	23 25	0 25	11 49	1 33	25 2	1 16	4 17	1 25	16 30	2 20	4 43	0 33	12 32	1 52	32 29	8 36	8 46	8 8	16 14		n.a.
S 15	22 1	17 48	3 21	23 12	0 36	12 15	1 31	25 0	1 16	4 16	1 24	16 29	2 20	4 44	0 33	12 32	1 52	32 29	8 36	8 44	8 6	16 12		n.a.
S 16	22 10	19 4	4 13	22 58	0 48	12 41	1 29	24 58	1 15	4 14	1 24	16 28	2 20	4 45	0 33	12 32	1 52	32 29	8 36	8 42	8 5	16 11		n.a.
M17	22 19	19 3	4 50	22 44	1 0	13 6	1 27	24 56	1 15	4 13	1 24	16 26	2 20	4 46	0 33	12 31	1 52	32 29	8 36	8 39	8 4	16 10		n.a.
T 18	22 28	17 43	5 6	22 30	1 13	13 32	1 24	24 53	1 15	4 12	1 23	16 25	2 20	4 46	0 33	12 31	1 52	32 29	8 36	8 36	8 3	16 9		n.a.
W19	22 36	15 12	5 2	22 15	1 25	13 57	1 22	24 50	1 15	4 11	1 23	16 24	2 20	4 47	0 33	12 31	1 51	32 30	8 36	8 34	8 2	16 8		n.a.
T 20	22 43	11 46	4 39	22 0	1 38	14 21	1 20	24 48	1 15	4 9	1 23	16 22	2 19	4 48	0 33	12 30	1 51	32 30	8 36	8 32	8 0	16 6		n.a.
F 21	22 51	7 42	3 58	21 45	1 51	14 46	1 17	24 45	1 15	4 8	1 22	16 21	2 19	4 49	0 33	12 30	1 51	32 30	8 37	8 31	7 59	16 5		n.a.
S 22	22 58	3 18	3 4	21 30	2 4	15 10	1 15	24 41	1 14	4 6	1 22	16 19	2 19	4 50	0 33	12 30	1 51	32 30	8 37	8 31	7 58	16 4		n.a.
S 23	23 4	1s11	2 1	21 16	2 17	15 33	1 13	24 38	1 14	4 4	1 22	16 18	2 19	4 51	0 33	12 29	1 51	32 30	8 37	8 31	7 57	16 3		n.a.
M24	23 10	5 31	0 52	21 2	2 30	15 57	1 10	24 34	1 14	4 3	1 21	16 16	2 19	4 51	0 33	12 29	1 51	32 30	8 37	8 31	7 56	16 2		n.a.
T 25	23 16	9 30	0n18	20 48	2 43	16 20	1 8	24 31	1 14	4 1	1 21	16 15	2 18	4 52	0 33	12 29	1 51	32 30	8 37	8 32	7 54	16 1		n.a.
W26	23 22	12 58	1 25	20 35	2 56	16 42	1 5	24 27	1 14	3 59	1 21	16 13	2 18	4 53	0 33	12 28	1 51	32 30	8 37	8 31	7 53	15 59		n.a.
T 27	23 27	15 46	2 27	20 22	3 8	17 5	1 3	24 23	1 13	3 57	1 21	16 11	2 18	4 54	0 33	12 28	1 51	32 30	8 37	8 30	7 52	15 58		n.a.
F 28	23 31	17 47	3 22	20 10	3 21	17 27	1 0	24 18	1 13	3 55	1 20	16 10	2 18	4 54	0 33	12 28	1 51	32 31	8 37	8 27	7 51	15 57		n.a.
S 29	23 35	18 57	4 5	19 59	3 32	17 48	0 58	24 14	1 13	3 53	1 20	16 8	2 18	4 55	0 33	12 27	1 51	32 31	8 37	8 24	7 49	15 56		n.a.
S 30	23n39	19s14	4n37	19n50	3s43	18n 9	0s55	24n 9	1n13	3n51	1n20	16n 6	2n18	4n56	0s33	12n27	1n51	32s31	8s38	8s20	7s48	15s55		n.a.

Julian Day Number = 1110876.5, Delta T = 10h52m33s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'54, Lahiri = -27°00'53 Julian Calendar 1 June 1672 BCE == Greg. Calendar 18 May 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

JULY 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 38 2	23♊ 5'19	9♉10	9°R12	24♉51	16♋19	23♍33	23♌33	13♈33	2♍39	29°R44	20°R48	19♎32	28♉24	n.a.	M 1
T 2	17 41 58	24° 2'55	21° 7	8♋47	26° 4	16°57	23°38	23°37	13°35	2°40	29♐43	20♎36	19°29	28°31	n.a.	T 2
W 3	17 45 55	25° 0'33	3♒ 0	8°16	27°16	17°35	23°43	23°42	13°36	2°41	29°41	20°26	19°26	28°37	n.a.	W 3
T 4	17 49 51	25°58'12	14°51	7°40	28°28	18°14	23°48	23°47	13°38	2°42	29°40	20°17	19°23	28°44	n.a.	T 4
F 5	17 53 48	26°55'53	26°44	7° 0	29°41	18°52	23°53	23°52	13°40	2°43	29°39	20°10	19°20	28°51	n.a.	F 5
S 6	17 57 44	27°53'35	8♓41	6°16	0♊53	19°31	23°59	23°57	13°41	2°45	29°37	20° 6	19°16	28°58	n.a.	S 6
S 7	18 1 41	28°51'20	20°48	5°28	2° 6	20° 9	24° 4	24° 2	13°42	2°46	29°36	20° 5	19°13	29° 4	n.a.	S 7
M 8	18 5 38	29°49'06	3♈ 9	4°38	3°19	20°48	24°10	24° 7	13°44	2°47	29°35	20°D 4	19°10	29°11	n.a.	M 8
T 9	18 9 34	0♋46'54	15°49	3°46	4°32	21°26	24°16	24°12	13°45	2°48	29°33	20°R 5	19° 7	29°18	n.a.	T 9
W10	18 13 31	1°44'44	28°54	2°54	5°44	22° 5	24°22	24°17	13°46	2°49	29°32	20° 4	19° 4	29°25	n.a.	W10
T 11	18 17 27	2°42'36	12♉26	2° 1	6°57	22°44	24°28	24°22	13°48	2°51	29°31	20° 3	19° 0	29°31	n.a.	T 11
F 12	18 21 24	3°40'30	26°27	1°10	8°10	23°22	24°35	24°28	13°49	2°52	29°29	19°58	18°57	29°38	n.a.	F 12
S 13	18 25 20	4°38'26	10♊57	0°21	9°23	24° 1	24°41	24°33	13°50	2°53	29°28	19°52	18°54	29°45	n.a.	S 13
S 14	18 29 17	5°36'24	25°50	29♊36	10°36	24°40	24°48	24°38	13°51	2°55	29°27	19°43	18°51	29°51	n.a.	S 14
M15	18 33 13	6°34'23	10♋58	28°55	11°49	25°19	24°54	24°44	13°52	2°56	29°25	19°32	18°48	29°58	n.a.	M15
T 16	18 37 10	7°32'25	26°12	28°20	13° 2	25°57	25° 1	24°49	13°53	2°58	29°24	19°22	18°45	0♒ 5	n.a.	T 16
W17	18 41 7	8°30'28	11♌20	27°50	14°15	26°36	25° 8	24°55	13°54	2°59	29°23	19°12	18°41	0°12	n.a.	W17
T 18	18 45 3	9°28'32	26°13	27°28	15°29	27°15	25°16	25° 1	13°55	3° 1	29°21	19° 5	18°38	0°18	n.a.	T 18
F 19	18 49 0	10°26'39	10♍44	27°13	16°42	27°54	25°23	25° 6	13°56	3° 2	29°20	19° 0	18°35	0°25	n.a.	F 19
S 20	18 52 56	11°24'46	24°50	27°D 6	17°55	28°33	25°30	25°12	13°57	3° 4	29°19	18°57	18°32	0°32	n.a.	S 20
S 21	18 56 53	12°22'56	8♎29	27° 7	19° 9	29°12	25°38	25°18	13°57	3° 5	29°17	18°57	18°29	0°38	n.a.	S 21
M22	19 0 49	13°21'06	21°45	27°17	20°22	29°51	25°46	25°24	13°58	3° 7	29°16	18°57	18°26	0°45	n.a.	M22
T 23	19 4 46	14°19'19	4♏40	27°35	21°36	0♌31	25°54	25°30	13°59	3° 8	29°15	18°56	18°22	0°52	n.a.	T 23
W24	19 8 42	15°17'33	17°18	28° 2	22°49	1°10	26° 2	25°36	13°59	3°10	29°13	18°54	18°19	0°59	n.a.	W24
T 25	19 12 39	16°15'49	29°42	28°37	24° 3	1°49	26°10	25°42	14° 0	3°12	29°12	18°49	18°16	1° 5	n.a.	T 25
F 26	19 16 36	17°14'07	11♐57	29°20	25°16	2°28	26°18	25°48	14° 1	3°13	29°11	18°41	18°13	1°12	n.a.	F 26
S 27	19 20 32	18°12'27	24° 3	0♋11	26°30	3° 7	26°26	25°54	14° 1	3°15	29°10	18°31	18°10	1°19	n.a.	S 27
S 28	19 24 29	19°10'48	6♑ 4	1°10	27°44	3°47	26°35	26° 0	14° 1	3°17	29° 8	18°18	18° 6	1°26	n.a.	S 28
M29	19 28 25	20° 9'12	18° 0	2°15	28°58	4°26	26°43	26° 6	14° 2	3°18	29° 7	18° 4	18° 3	1°32	n.a.	M29
T 30	19 32 22	21° 7'37	29°54	3°28	0♋12	5° 6	26°52	26°13	14° 2	3°20	29° 6	17°50	18° 0	1°39	n.a.	T 30
W31	19 36 18	22♋ 6'05	11♒46	4♋46	1♋25	5♌45	27♍ 1	26♌19	14♈ 2	3♍22	29♐ 5	17♎36	17♎57	1♒46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n42	18s38	4n57	19n41	3s53	18n29	0s52	24n 4	1n13	3n49	1n19	16n 5	2n17	4n56	0s33	12n26	1n51	32s31	8s38	8s16	7s47	15s53		n.a.
T 2	23 45	17 12	5 3	19 33	4 3	18 50	0 50	23 59	1 12	3 47	1 19	16 3	2 17	4 57	0 33	12 26	1 51	32 31	8 38	8 12	7 46	15 52		n.a.
W 3	23 47	15 3	4 56	19 27	4 11	19 9	0 47	23 54	1 12	3 44	1 19	16 1	2 17	4 58	0 33	12 26	1 51	32 31	8 38	8 8	7 45	15 51		n.a.
T 4	23 49	12 17	4 36	19 22	4 18	19 28	0 44	23 49	1 12	3 42	1 18	16 0	2 17	4 58	0 33	12 25	1 51	32 31	8 38	8 4	7 43	15 50		n.a.
F 5	23 51	9 1	4 4	19 18	4 24	19 47	0 42	23 43	1 12	3 40	1 18	15 58	2 17	4 59	0 33	12 25	1 51	32 31	8 38	8 2	7 42	15 48		n.a.
S 6	23 52	5 22	3 21	19 16	4 28	20 5	0 39	23 37	1 12	3 37	1 18	15 56	2 17	4 59	0 33	12 24	1 51	32 31	8 38	8 0	7 41	15 47		n.a.
S 7	23 53	1 26	2 29	19 16	4 31	20 23	0 36	23 31	1 11	3 35	1 18	15 54	2 17	5 0	0 33	12 24	1 51	32 31	8 38	7 59	7 40	15 46		n.a.
M 8	23 53	2n38	1 29	19 17	4 32	20 40	0 33	23 25	1 11	3 32	1 17	15 52	2 16	5 0	0 33	12 23	1 50	32 31	8 38	7 59	7 38	15 45		n.a.
T 9	23 53	6 41	0 23	19 19	4 31	20 56	0 31	23 19	1 11	3 30	1 17	15 50	2 16	5 1	0 33	12 23	1 50	32 31	8 38	7 59	7 37	15 44		n.a.
W10	23 52	10 34	0s47	19 24	4 28	21 12	0 28	23 12	1 11	3 27	1 17	15 48	2 16	5 1	0 33	12 22	1 50	32 31	8 38	7 59	7 36	15 42		n.a.
T 11	23 51	14 1	1 56	19 30	4 23	21 28	0 25	23 5	1 10	3 24	1 16	15 47	2 16	5 2	0 33	12 22	1 50	32 32	8 38	7 59	7 35	15 41		n.a.
F 12	23 50	16 48	3 0	19 37	4 16	21 43	0 22	22 58	1 10	3 21	1 16	15 45	2 16	5 2	0 33	12 21	1 50	32 32	8 38	7 57	7 33	15 40		n.a.
S 13	23 48	18 38	3 55	19 46	4 8	21 57	0 20	22 51	1 10	3 18	1 16	15 43	2 16	5 3	0 33	12 21	1 50	32 32	8 38	7 54	7 32	15 39		n.a.
S 14	23 46	19 14	4 36	19 56	3 57	22 11	0 17	22 44	1 10	3 15	1 16	15 41	2 16	5 3	0 33	12 20	1 50	32 32	8 39	7 51	7 31	15 37		n.a.
M15	23 43	18 29	4 58	20 8	3 45	22 24	0 14	22 37	1 10	3 12	1 15	15 39	2 16	5 4	0 33	12 19	1 50	32 32	8 39	7 47	7 30	15 36		n.a.
T 16	23 40	16 25	4 59	20 20	3 32	22 36	0 11	22 29	1 9	3 9	1 15	15 37	2 15	5 4	0 33	12 19	1 50	32 32	8 39	7 43	7 29	15 35		n.a.
W17	23 36	13 14	4 39	20 34	3 18	22 48	0 9	22 21	1 9	3 6	1 15	15 35	2 15	5 4	0 33	12 18	1 50	32 32	8 39	7 39	7 27	15 34		n.a.
T 18	23 32	9 15	4 1	20 50	3 2	22 59	0 6	22 13	1 9	3 3	1 14	15 33	2 15	5 5	0 34	12 18	1 50	32 32	8 39	7 36	7 26	15 32		n.a.
F 19	23 28	4 48	3 7	21 6	2 46	23 9	0 3	22 5	1 9	3 0	1 14	15 30	2 15	5 5	0 34	12 17	1 50	32 32	8 39	7 34	7 25	15 31		n.a.
S 20	23 23	0 12	2 4	21 22	2 29	23 19	0 0	21 57	1 8	2 57	1 14	15 28	2 15	5 5	0 34	12 16	1 50	32 32	8 39	7 33	7 24	15 30		n.a.
S 21	23 18	4s16	0 55	21 40	2 12	23 28	0n 2	21 48	1 8	2 53	1 14	15 26	2 15	5 5	0 34	12 16	1 50	32 32	8 39	7 33	7 22	15 29		n.a.
M22	23 12	8 24	0n15	21 57	1 54	23 37	0 5	21 40	1 8	2 50	1 13	15 24	2 15	5 6	0 34	12 15	1 50	32 32	8 39	7 33	7 21	15 27		n.a.
T 23	23 6	12 2	1 22	22 15	1 37	23 44	0 8	21 31	1 8	2 47	1 13	15 22	2 15	5 6	0 34	12 15	1 50	32 32	8 39	7 33	7 20	15 26		n.a.
W24	22 59	15 1	2 24	22 33	1 19	23 51	0 10	21 22	1 7	2 43	1 13	15 20	2 14	5 6	0 34	12 14	1 50	32 32	8 39	7 32	7 19	15 25		n.a.
T 25	22 52	17 15	3 17	22 51	1 2	23 58	0 13	21 13	1 7	2 40	1 13	15 18	2 14	5 6	0 34	12 13	1 50	32 32	8 39	7 30	7 17	15 24		n.a.
F 26	22 45	18 40	4 1	23 8	0 45	24 3	0 15	21 3	1 7	2 36	1 12	15 15	2 14	5 7	0 34	12 13	1 50	32 32	8 39	7 27	7 16	15 22		n.a.
S 27	22 37	19 12	4 33	23 24	0 29	24 8	0 18	20 54	1 6	2 32	1 12	15 13	2 14	5 7	0 34	12 12	1 50	32 32	8 39	7 23	7 15	15 21		n.a.
S 28	22 29	18 52	4 53	23 39	0 14	24 13	0 21	20 44	1 6	2 29	1 12	15 11	2 14	5 7	0 34	12 11	1 50	32 32	8 39	7 18	7 14	15 20		n.a.
M29	22 21	17 42	4 59	23 53	0n 1	24 16	0 23	20 35	1 6	2 25	1 12	15 9	2 14	5 7	0 34	12 11	1 50	32 32	8 39	7 13	7 13	15 19		n.a.
T 30	22 12	15 47	4 53	24 5	0 15	24 19	0 26	20 25	1 6	2 21	1 11	15 6	2 14	5 7	0 34	12 10	1 50	32 32	8 39	7 7	7 11	15 17		n.a.
W31	22n 2	13s12	4n34	24n16	0n28	24n21	0n28	20n14	1n 5	2n18	1n11	15n 4	2n14	5n 7	0s34	12n 9	1n50	32s32	8s39	7s 2	7s10	15s16		n.a.

Julian Day Number = 1110906.5, Delta T = 10h52m31s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'50, Lahiri = -27°00'49 Julian Calendar 1 July 1672 BCE == Greg. Calendar 17 June 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

AUGUST 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 40 15	23♋ 4'35	23♒38	6♋10	2♋39	6♌25	27♍10	26♌25	14♈ 2	3♍24	29°R 3	17°R25	17♎54	1♒52	n.a.	T 1
F 2	19 44 11	24° 3'06	5♓32	7°38	3°53	7° 4	27°19	26°32	14° 3	3°26	29♐ 2	17♎17	17°51	1°59	n.a.	F 2
S 3	19 48 8	25° 1'40	17°30	9°12	5° 7	7°44	27°28	26°38	14° 3	3°27	29° 1	17°11	17°47	2° 6	n.a.	S 3
S 4	19 52 4	26° 0'17	29°38	10°49	6°21	8°23	27°37	26°44	14°R 3	3°29	29° 0	17° 8	17°44	2°13	n.a.	S 4
M 5	19 56 1	26°58'56	11♈58	12°29	7°36	9° 3	27°47	26°51	14° 3	3°31	28°59	17° 7	17°41	2°19	n.a.	M 5
T 6	19 59 58	27°57'37	24°35	14°12	8°50	9°43	27°56	26°57	14° 3	3°33	28°58	17° 7	17°38	2°26	n.a.	T 6
W 7	20 3 54	28°56'20	7♉34	15°57	10° 4	10°22	28° 6	27° 4	14° 3	3°35	28°56	17° 7	17°35	2°33	n.a.	W 7
T 8	20 7 51	29°55'06	21° 0	17°44	11°18	11° 2	28°16	27°11	14° 2	3°37	28°55	17° 5	17°32	2°39	n.a.	T 8
F 9	20 11 47	0♊53'55	4♊54	19°33	12°33	11°42	28°25	27°17	14° 2	3°39	28°54	17° 2	17°28	2°46	n.a.	F 9
S 10	20 15 44	1°52'46	19°17	21°23	13°47	12°22	28°35	27°24	14° 2	3°41	28°53	16°55	17°25	2°53	n.a.	S 10
S 11	20 19 40	2°51'39	4♋ 7	23°13	15° 1	13° 2	28°45	27°31	14° 2	3°43	28°52	16°47	17°22	3° 0	n.a.	S 11
M12	20 23 37	3°50'35	19°17	25° 4	16°16	13°42	28°56	27°37	14° 1	3°45	28°51	16°37	17°19	3° 6	n.a.	M12
T 13	20 27 33	4°49'33	4♌36	26°54	17°30	14°22	29° 6	27°44	14° 1	3°47	28°50	16°26	17°16	3°13	n.a.	T 13
W14	20 31 30	5°48'33	19°54	28°45	18°45	15° 2	29°16	27°51	14° 0	3°49	28°49	16°17	17°12	3°20	n.a.	W14
T 15	20 35 27	6°47'35	4♍59	0♌36	20° 0	15°42	29°26	27°58	14° 0	3°51	28°48	16° 9	17° 9	3°26	n.a.	T 15
F 16	20 39 23	7°46'40	19°42	2°26	21°14	16°22	29°37	28° 5	13°59	3°53	28°47	16° 4	17° 6	3°33	n.a.	F 16
S 17	20 43 20	8°45'46	3♎59	4°16	22°29	17° 2	29°48	28°11	13°59	3°55	28°46	16° 1	17° 3	3°40	n.a.	S 17
S 18	20 47 16	9°44'54	17°47	6° 6	23°44	17°42	29°58	28°18	13°58	3°57	28°45	16°D 1	17° 0	3°47	n.a.	S 18
M19	20 51 13	10°44'04	1♏ 7	7°55	24°58	18°23	0♎ 9	28°25	13°57	3°59	28°44	16° 1	16°57	3°53	n.a.	M19
T 20	20 55 9	11°43'16	14° 3	9°43	26°13	19° 3	0°20	28°32	13°56	4° 1	28°43	16°R 2	16°53	4° 0	n.a.	T 20
W21	20 59 6	12°42'30	26°39	11°30	27°28	19°43	0°31	28°39	13°56	4° 3	28°42	16° 1	16°50	4° 7	n.a.	W21
T 22	21 3 2	13°41'46	8♐58	13°17	28°43	20°24	0°42	28°46	13°55	4° 6	28°41	15°57	16°47	4°14	n.a.	T 22
F 23	21 6 59	14°41'04	21° 6	15° 3	29°57	21° 4	0°53	28°53	13°54	4° 8	28°41	15°52	16°44	4°20	n.a.	F 23
S 24	21 10 55	15°40'23	3♑ 6	16°48	1♌12	21°45	1° 4	29° 0	13°53	4°10	28°40	15°44	16°41	4°27	n.a.	S 24
S 25	21 14 52	16°39'45	15° 1	18°32	2°27	22°25	1°16	29° 7	13°52	4°12	28°39	15°34	16°37	4°34	n.a.	S 25
M26	21 18 49	17°39'09	26°54	20°15	3°42	23° 6	1°27	29°14	13°51	4°14	28°38	15°23	16°34	4°40	n.a.	M26
T 27	21 22 45	18°38'35	8♒46	21°58	4°57	23°46	1°38	29°21	13°50	4°16	28°37	15°11	16°31	4°47	n.a.	T 27
W28	21 26 42	19°38'04	20°40	23°40	6°12	24°27	1°50	29°28	13°48	4°18	28°37	15° 1	16°28	4°54	n.a.	W28
T 29	21 30 38	20°37'34	2♓36	25°21	7°27	25° 8	2° 1	29°35	13°47	4°21	28°36	14°52	16°25	5° 1	n.a.	T 29
F 30	21 34 35	21°37'07	14°36	27° 1	8°42	25°49	2°13	29°42	13°46	4°23	28°35	14°45	16°22	5° 7	n.a.	F 30
S 31	21 38 31	22♌36'41	26♓43	28♌41	9♌58	26♌29	2♎25	29♌49	13♈45	4♍25	28♐35	14♎41	16♎18	5♒14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21n52	10s 5	4n 3	24n24	0n40	24n22	0n30	20n 4	1n 5	2n14	1n11	15n 2	2n14	5n 7	0s34	12n 9	1n50	32s32	8s39	6s58	7s 9	15s15			n.a.
F 2	21 42	6 33	3 21	24 31	0 51	24 22	0 33	19 54	1 5	2 10	1 11	15 0	2 14	5 7	0 34	12 8	1 49	32 32	8 39	6 54	7 8	15 14			n.a.
S 3	21 31	2 44	2 30	24 35	1 1	24 22	0 35	19 43	1 4	2 6	1 10	14 57	2 14	5 7	0 34	12 7	1 49	32 31	8 38	6 52	7 6	15 12			n.a.
S 4	21 21	1n14	1 31	24 36	1 10	24 21	0 37	19 32	1 4	2 2	1 10	14 55	2 14	5 7	0 34	12 6	1 49	32 31	8 38	6 51	7 5	15 11			n.a.
M 5	21 9	5 14	0 27	24 35	1 18	24 19	0 40	19 21	1 4	1 58	1 10	14 53	2 13	5 7	0 34	12 6	1 49	32 31	8 38	6 51	7 4	15 10			n.a.
T 6	20 57	9 5	0s40	24 32	1 25	24 17	0 42	19 10	1 4	1 54	1 10	14 50	2 13	5 7	0 34	12 5	1 49	32 31	8 38	6 51	7 3	15 8			n.a.
W 7	20 45	12 37	1 46	24 26	1 32	24 14	0 44	18 59	1 3	1 50	1 9	14 48	2 13	5 7	0 34	12 4	1 49	32 31	8 38	6 51	7 1	15 7			n.a.
T 8	20 33	15 37	2 49	24 17	1 37	24 10	0 46	18 48	1 3	1 46	1 9	14 46	2 13	5 7	0 34	12 4	1 49	32 31	8 38	6 50	7 0	15 6			n.a.
F 9	20 20	17 50	3 45	24 6	1 41	24 5	0 48	18 36	1 3	1 41	1 9	14 43	2 13	5 7	0 34	12 3	1 49	32 31	8 38	6 49	6 59	15 5			n.a.
S 10	20 7	19 0	4 28	23 52	1 45	24 0	0 50	18 24	1 2	1 37	1 9	14 41	2 13	5 7	0 34	12 2	1 49	32 31	8 38	6 46	6 58	15 3			n.a.
S 11	19 53	18 55	4 55	23 37	1 47	23 53	0 52	18 12	1 2	1 33	1 9	14 38	2 13	5 7	0 34	12 1	1 49	32 31	8 38	6 43	6 57	15 2			n.a.
M12	19 39	17 30	5 1	23 18	1 49	23 46	0 54	18 0	1 2	1 29	1 8	14 36	2 13	5 6	0 34	12 1	1 49	32 31	8 38	6 39	6 55	15 1			n.a.
T 13	19 25	14 50	4 47	22 58	1 50	23 39	0 56	17 48	1 1	1 24	1 8	14 34	2 13	5 6	0 34	12 0	1 49	32 31	8 38	6 35	6 54	14 59			n.a.
W14	19 10	11 8	4 12	22 36	1 51	23 30	0 58	17 36	1 1	1 20	1 8	14 31	2 13	5 6	0 34	11 59	1 49	32 31	8 38	6 31	6 53	14 58			n.a.
T 15	18 55	6 46	3 20	22 12	1 51	23 21	1 0	17 24	1 1	1 16	1 8	14 29	2 13	5 6	0 34	11 58	1 49	32 31	8 38	6 28	6 52	14 57			n.a.
F 16	18 40	2 5	2 15	21 46	1 50	23 11	1 2	17 11	1 0	1 11	1 8	14 26	2 13	5 6	0 34	11 57	1 49	32 31	8 38	6 26	6 50	14 55			n.a.
S 17	18 24	2s35	1 4	21 18	1 48	23 1	1 3	16 58	1 0	1 7	1 7	14 24	2 13	5 5	0 34	11 57	1 49	32 30	8 38	6 25	6 49	14 54			n.a.
S 18	18 8	6 58	0n 9	20 49	1 47	22 50	1 5	16 45	1 0	1 2	1 7	14 21	2 13	5 5	0 34	11 56	1 49	32 30	8 37	6 25	6 48	14 53			n.a.
M19	17 52	10 50	1 20	20 18	1 44	22 38	1 7	16 32	0 59	0 58	1 7	14 19	2 13	5 5	0 34	11 55	1 49	32 30	8 37	6 25	6 47	14 52			n.a.
T 20	17 36	14 4	2 24	19 47	1 41	22 25	1 8	16 19	0 59	0 53	1 7	14 16	2 13	5 4	0 34	11 54	1 49	32 30	8 37	6 25	6 45	14 50			n.a.
W21	17 19	16 33	3 19	19 13	1 38	22 12	1 10	16 6	0 59	0 48	1 7	14 14	2 13	5 4	0 34	11 53	1 49	32 30	8 37	6 25	6 44	14 49			n.a.
T 22	17 1	18 12	4 4	18 39	1 35	21 58	1 11	15 53	0 58	0 44	1 6	14 11	2 13	5 4	0 34	11 53	1 49	32 30	8 37	6 23	6 43	14 48			n.a.
F 23	16 44	18 59	4 36	18 4	1 31	21 43	1 12	15 39	0 58	0 39	1 6	14 9	2 13	5 3	0 34	11 52	1 49	32 30	8 37	6 21	6 42	14 46			n.a.
S 24	16 26	18 54	4 57	17 28	1 26	21 28	1 14	15 26	0 58	0 34	1 6	14 6	2 13	5 3	0 34	11 51	1 49	32 30	8 37	6 18	6 40	14 45			n.a.
S 25	16 8	17 59	5 4	16 51	1 22	21 12	1 15	15 12	0 57	0 30	1 6	14 4	2 13	5 3	0 34	11 50	1 49	32 30	8 37	6 14	6 39	14 44			n.a.
M26	15 50	16 18	4 58	16 13	1 17	20 55	1 16	14 58	0 57	0 25	1 6	14 1	2 13	5 2	0 34	11 49	1 49	32 29	8 37	6 10	6 38	14 42			n.a.
T 27	15 31	13 55	4 39	15 35	1 12	20 38	1 17	14 44	0 57	0 20	1 5	13 59	2 13	5 2	0 34	11 49	1 49	32 29	8 37	6 5	6 37	14 41			n.a.
W28	15 12	10 58	4 8	14 56	1 7	20 20	1 18	14 30	0 56	0 15	1 5	13 56	2 13	5 1	0 34	11 48	1 49	32 29	8 36	6 1	6 35	14 40			n.a.
T 29	14 53	7 33	3 26	14 16	1 1	20 2	1 19	14 16	0 56	0 10	1 5	13 53	2 13	5 1	0 34	11 47	1 49	32 29	8 36	5 58	6 34	14 38			n.a.
F 30	14 34	3 48	2 34	13 36	0 55	19 43	1 20	14 1	0 55	0 5	1 5	13 51	2 13	5 0	0 34	11 46	1 49	32 29	8 36	5 55	6 33	14 37			n.a.
S 31	14n14	0n 7	1n35	12n55	0n50	19n23	1n21	13n47	0n55	0n 1	1n 5	13n48	2n13	5n 0	0s34	11n45	1n49	32s29	8s36	5s53	6s32	14s36			n.a.

Julian Day Number = 1110937.5, Delta T = 10h52m29s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'46, Lahiri = -27°00'45 Julian Calendar 1 Aug. 1672 BCE == Greg. Calendar 18 July 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

SEPTEMBER 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 42 28	23♌36'18	8♈57	0♍20	11♌13	27♌10	2♎37	29♌57	13°R43	4♍27	28°R34	14°D39	16♎15	5♒21	n.a.	S 1
M 2	21 46 24	24°35'58	21°23	1°58	12°28	27°51	2°48	0♍ 4	13♈42	4°29	28♐33	14♎39	16°12	5°27	n.a.	M 2
T 3	21 50 21	25°35'40	4♉ 4	3°36	13°43	28°32	3° 0	0°11	13°41	4°32	28°33	14°40	16° 9	5°34	n.a.	T 3
W 4	21 54 17	26°35'24	17° 2	5°12	14°58	29°13	3°12	0°18	13°39	4°34	28°32	14°41	16° 6	5°41	n.a.	W 4
T 5	21 58 14	27°35'11	0♊23	6°49	16°13	29°54	3°24	0°25	13°38	4°36	28°31	14°R42	16° 3	5°48	n.a.	T 5
F 6	22 2 10	28°35'01	14° 7	8°24	17°29	0♍35	3°37	0°32	13°36	4°38	28°31	14°41	15°59	5°54	n.a.	F 6
S 7	22 6 7	29°34'53	28°17	9°59	18°44	1°16	3°49	0°39	13°35	4°41	28°30	14°37	15°56	6° 1	n.a.	S 7
S 8	22 10 4	0♍34'47	12♋52	11°33	19°59	1°57	4° 1	0°47	13°33	4°43	28°30	14°33	15°53	6° 8	n.a.	S 8
M 9	22 14 0	1°34'44	27°46	13° 7	21°15	2°39	4°13	0°54	13°31	4°45	28°29	14°26	15°50	6°14	n.a.	M 9
T 10	22 17 57	2°34'43	12♌52	14°40	22°30	3°20	4°26	1° 1	13°30	4°47	28°29	14°20	15°47	6°21	n.a.	T 10
W11	22 21 53	3°34'44	28° 2	16°13	23°46	4° 1	4°38	1° 8	13°28	4°50	28°29	14°14	15°43	6°28	n.a.	W11
T 12	22 25 50	4°34'47	13♍ 5	17°45	25° 1	4°42	4°51	1°15	13°26	4°52	28°28	14° 9	15°40	6°35	n.a.	T 12
F 13	22 29 46	5°34'52	27°51	19°16	26°16	5°24	5° 3	1°22	13°24	4°54	28°28	14° 6	15°37	6°41	n.a.	F 13
S 14	22 33 43	6°34'59	12♎14	20°47	27°32	6° 5	5°16	1°29	13°22	4°56	28°27	14°D 5	15°34	6°48	n.a.	S 14
S 15	22 37 39	7°35'08	26°10	22°17	28°47	6°47	5°28	1°37	13°20	4°59	28°27	14° 5	15°31	6°55	n.a.	S 15
M16	22 41 36	8°35'18	9♏39	23°47	0♍ 3	7°28	5°41	1°44	13°18	5° 1	28°27	14° 7	15°28	7° 1	n.a.	M16
T 17	22 45 33	9°35'31	22°41	25°16	1°18	8°10	5°54	1°51	13°16	5° 3	28°27	14° 8	15°24	7° 8	n.a.	T 17
W18	22 49 29	10°35'45	5♐21	26°44	2°34	8°52	6° 6	1°58	13°14	5° 5	28°26	14°R10	15°21	7°15	n.a.	W18
T 19	22 53 26	11°36'01	17°42	28°12	3°49	9°33	6°19	2° 5	13°12	5° 8	28°26	14° 9	15°18	7°22	n.a.	T 19
F 20	22 57 22	12°36'19	29°50	29°40	5° 5	10°15	6°32	2°12	13°10	5°10	28°26	14° 8	15°15	7°28	n.a.	F 20
S 21	23 1 19	13°36'38	11♑48	1♏ 6	6°20	10°57	6°45	2°19	13° 8	5°12	28°26	14° 5	15°12	7°35	n.a.	S 21
S 22	23 5 15	14°36'59	23°41	2°32	7°36	11°39	6°58	2°26	13° 6	5°14	28°26	14° 1	15° 9	7°42	n.a.	S 22
M23	23 9 12	15°37'21	5♒32	3°58	8°51	12°20	7°11	2°33	13° 4	5°16	28°26	13°56	15° 5	7°48	n.a.	M23
T 24	23 13 8	16°37'45	17°25	5°23	10° 7	13° 2	7°24	2°40	13° 2	5°19	28°25	13°51	15° 2	7°55	n.a.	T 24
W25	23 17 5	17°38'11	29°22	6°46	11°23	13°44	7°37	2°47	13° 0	5°21	28°25	13°46	14°59	8° 2	n.a.	W25
T 26	23 21 1	18°38'39	11♓26	8° 9	12°38	14°26	7°50	2°54	12°57	5°23	28°D25	13°42	14°56	8° 9	n.a.	T 26
F 27	23 24 58	19°39'08	23°36	9°32	13°54	15° 8	8° 3	3° 1	12°55	5°25	28°25	13°39	14°53	8°15	n.a.	F 27
S 28	23 28 55	20°39'39	5♈56	10°53	15° 9	15°50	8°16	3° 8	12°53	5°27	28°25	13°38	14°49	8°22	n.a.	S 28
S 29	23 32 51	21°40'12	18°26	12°13	16°25	16°32	8°30	3°15	12°51	5°30	28°25	13°D38	14°46	8°29	n.a.	S 29
M30	23 36 48	22♍40'47	1♉ 8	13♎32	17♍41	17♍15	8♎43	3♍22	12♈48	5♍32	28♐26	13♎39	14♎43	8♒35	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n54	4n 5	0n31	12n14	0n44	19n 3	1n22	13n32	0n55	0s 4	1n 5	13n46	2n13	4n59	0s34	11n45	1n49	32s29	8s36	5s53	6s30	14s34		n.a.
M 2	13 34	7 56	0s36	11 33	0 37	18 42	1 23	13 17	0 54	0 9	1 4	13 43	2 13	4 59	0 34	11 44	1 49	32 28	8 36	5 53	6 29	14 33		n.a.
T 3	13 14	11 30	1 43	10 51	0 31	18 21	1 23	13 3	0 54	0 14	1 4	13 41	2 13	4 58	0 34	11 43	1 49	32 28	8 36	5 53	6 28	14 32		n.a.
W 4	12 53	14 35	2 46	10 9	0 25	17 59	1 24	12 48	0 53	0 19	1 4	13 38	2 13	4 57	0 34	11 42	1 49	32 28	8 36	5 54	6 27	14 30		n.a.
T 5	12 32	17 0	3 42	9 27	0 18	17 36	1 24	12 33	0 53	0 24	1 4	13 36	2 13	4 57	0 35	11 41	1 49	32 28	8 35	5 54	6 25	14 29		n.a.
F 6	12 11	18 31	4 26	8 45	0 12	17 14	1 25	12 17	0 53	0 29	1 4	13 33	2 13	4 56	0 35	11 40	1 49	32 28	8 35	5 53	6 24	14 28		n.a.
S 7	11 50	18 56	4 57	8 3	0 5	16 50	1 25	12 2	0 52	0 34	1 4	13 30	2 13	4 56	0 35	11 40	1 49	32 28	8 35	5 52	6 23	14 26		n.a.
S 8	11 28	18 8	5 9	7 20	0s 2	16 26	1 26	11 47	0 52	0 39	1 3	13 28	2 13	4 55	0 35	11 39	1 49	32 28	8 35	5 50	6 22	14 25		n.a.
M 9	11 7	16 5	5 1	6 37	0 8	16 2	1 26	11 31	0 51	0 45	1 3	13 25	2 13	4 54	0 35	11 38	1 49	32 27	8 35	5 48	6 21	14 24		n.a.
T 10	10 45	12 55	4 32	5 55	0 15	15 37	1 26	11 16	0 51	0 50	1 3	13 23	2 13	4 53	0 35	11 37	1 49	32 27	8 35	5 45	6 19	14 22		n.a.
W11	10 23	8 53	3 44	5 12	0 22	15 12	1 26	11 0	0 51	0 55	1 3	13 20	2 13	4 53	0 35	11 36	1 49	32 27	8 35	5 43	6 18	14 21		n.a.
T 12	10 1	4 18	2 40	4 30	0 29	14 47	1 26	10 44	0 50	1 0	1 3	13 18	2 13	4 52	0 35	11 35	1 49	32 27	8 34	5 41	6 17	14 19		n.a.
F 13	9 38	0s27	1 27	3 47	0 36	14 20	1 26	10 28	0 50	1 5	1 3	13 15	2 13	4 51	0 35	11 34	1 49	32 27	8 34	5 40	6 16	14 18		n.a.
S 14	9 16	5 5	0 10	3 4	0 42	13 54	1 26	10 13	0 49	1 10	1 3	13 13	2 13	4 51	0 35	11 34	1 49	32 27	8 34	5 39	6 14	14 17		n.a.
S 15	8 53	9 16	1n 5	2 22	0 49	13 27	1 26	9 56	0 49	1 16	1 2	13 10	2 13	4 50	0 35	11 33	1 49	32 27	8 34	5 39	6 13	14 15		n.a.
M16	8 30	12 51	2 15	1 40	0 56	13 0	1 26	9 40	0 48	1 21	1 2	13 7	2 13	4 49	0 35	11 32	1 49	32 26	8 34	5 40	6 12	14 14		n.a.
T 17	8 7	15 39	3 15	0 58	1 2	12 32	1 26	9 24	0 48	1 26	1 2	13 5	2 13	4 48	0 35	11 31	1 49	32 26	8 34	5 41	6 11	14 13		n.a.
W18	7 44	17 36	4 4	0 16	1 9	12 5	1 25	9 8	0 48	1 31	1 2	13 2	2 13	4 47	0 35	11 30	1 49	32 26	8 33	5 41	6 9	14 11		n.a.
T 19	7 21	18 39	4 40	0s25	1 15	11 36	1 25	8 51	0 47	1 37	1 2	13 0	2 13	4 47	0 35	11 30	1 49	32 26	8 33	5 41	6 8	14 10		n.a.
F 20	6 57	18 50	5 3	1 7	1 22	11 8	1 24	8 35	0 47	1 42	1 2	12 57	2 13	4 46	0 35	11 29	1 49	32 26	8 33	5 40	6 7	14 8		n.a.
S 21	6 34	18 10	5 12	1 47	1 28	10 39	1 24	8 18	0 46	1 47	1 2	12 55	2 13	4 45	0 35	11 28	1 49	32 26	8 33	5 39	6 6	14 7		n.a.
S 22	6 10	16 42	5 8	2 28	1 34	10 10	1 23	8 2	0 46	1 53	1 2	12 52	2 13	4 44	0 35	11 27	1 49	32 25	8 33	5 38	6 4	14 6		n.a.
M23	5 46	14 32	4 51	3 8	1 40	9 40	1 23	7 45	0 45	1 58	1 1	12 50	2 14	4 43	0 35	11 26	1 49	32 25	8 33	5 36	6 3	14 4		n.a.
T 24	5 22	11 46	4 21	3 48	1 46	9 11	1 22	7 28	0 45	2 3	1 1	12 47	2 14	4 42	0 35	11 25	1 49	32 25	8 32	5 34	6 2	14 3		n.a.
W25	4 58	8 29	3 40	4 27	1 52	8 41	1 21	7 12	0 44	2 9	1 1	12 45	2 14	4 42	0 35	11 25	1 49	32 25	8 32	5 32	6 1	14 2		n.a.
T 26	4 34	4 50	2 48	5 5	1 57	8 10	1 20	6 55	0 44	2 14	1 1	12 42	2 14	4 41	0 35	11 24	1 49	32 25	8 32	5 30	5 59	14 0		n.a.
F 27	4 10	0 56	1 48	5 43	2 3	7 40	1 19	6 38	0 44	2 19	1 1	12 40	2 14	4 40	0 35	11 23	1 49	32 25	8 32	5 29	5 58	13 59		n.a.
S 28	3 46	3n 3	0 42	6 20	2 8	7 9	1 19	6 21	0 43	2 25	1 1	12 37	2 14	4 39	0 35	11 22	1 49	32 24	8 32	5 29	5 57	13 57		n.a.
S 29	3 22	6 57	0s26	6 57	2 13	6 39	1 18	6 4	0 43	2 30	1 1	12 35	2 14	4 38	0 35	11 21	1 49	32 24	8 32	5 29	5 56	13 56		n.a.
M30	2n57	10n36	1s35	7s32	2s17	6n 8	1n16	5n46	0n42	2s36	1n 1	12n32	2n14	4n37	0s35	11n21	1n49	32s24	8s31	5s29	5s54	13s55		n.a.

Julian Day Number = 1110968.5, Delta T = 10h52m27s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'41, Lahiri = -27°00'41 Julian Calendar 1 Sept. 1672 BCE == Greg. Calendar 18 Aug. 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

OCTOBER 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 40 44	23♍41'24	14♉ 2	14♎49	18♍56	17♍57	8♎56	3♍29	12°R46	5♍34	28♐26	13♎40	14♎40	8♒42	n.a.	T 1
W 2	23 44 41	24°42'02	27°11	16° 5	20°12	18°39	9° 9	3°36	12♈44	5°36	28°26	13°42	14°37	8°49	n.a.	W 2
T 3	23 48 37	25°42'43	10♊36	17°20	21°27	19°21	9°23	3°42	12°41	5°38	28°26	13°43	14°34	8°56	n.a.	T 3
F 4	23 52 34	26°43'25	24°18	18°32	22°43	20° 4	9°36	3°49	12°39	5°40	28°26	13°R43	14°30	9° 2	n.a.	F 4
S 5	23 56 30	27°44'10	8♋17	19°43	23°59	20°46	9°49	3°56	12°36	5°43	28°26	13°43	14°27	9° 9	n.a.	S 5
S 6	0 0 27	28°44'56	22°34	20°51	25°14	21°29	10° 3	4° 3	12°34	5°45	28°27	13°42	14°24	9°16	n.a.	S 6
M 7	0 4 24	29°45'44	7♌ 5	21°56	26°30	22°11	10°16	4° 9	12°32	5°47	28°27	13°41	14°21	9°22	n.a.	M 7
T 8	0 8 20	0♎46'34	21°47	22°58	27°46	22°54	10°30	4°16	12°29	5°49	28°27	13°39	14°18	9°29	n.a.	T 8
W 9	0 12 17	1°47'25	6♍32	23°57	29° 1	23°36	10°43	4°23	12°27	5°51	28°28	13°37	14°14	9°36	n.a.	W 9
T 10	0 16 13	2°48'18	21°15	24°52	0♏17	24°19	10°57	4°29	12°24	5°53	28°28	13°36	14°11	9°42	n.a.	T 10
F 11	0 20 10	3°49'13	5♏48	25°42	1°33	25° 2	11°10	4°36	12°22	5°55	28°28	13°36	14° 8	9°49	n.a.	F 11
S 12	0 24 6	4°50'09	20° 4	26°28	2°48	25°45	11°24	4°42	12°19	5°57	28°29	13°D36	14° 5	9°56	n.a.	S 12
S 13	0 28 3	5°51'06	3♏59	27° 7	4° 4	26°27	11°37	4°49	12°17	5°59	28°29	13°36	14° 2	10° 3	n.a.	S 13
M14	0 31 59	6°52'04	17°30	27°41	5°20	27°10	11°51	4°55	12°14	6° 1	28°30	13°37	13°59	10° 9	n.a.	M14
T 15	0 35 56	7°53'03	0♐38	28° 7	6°35	27°53	12° 4	5° 2	12°12	6° 3	28°30	13°37	13°55	10°16	n.a.	T 15
W16	0 39 52	8°54'04	13°23	28°25	7°51	28°36	12°18	5° 8	12° 9	6° 5	28°31	13°38	13°52	10°23	n.a.	W16
T 17	0 43 49	9°55'05	25°49	28°R35	9° 7	29°19	12°31	5°14	12° 6	6° 7	28°31	13°38	13°49	10°29	n.a.	T 17
F 18	0 47 46	10°56'08	8♑ 0	28°35	10°22	0♐ 2	12°45	5°21	12° 4	6° 9	28°32	13°R38	13°46	10°36	n.a.	F 18
S 19	0 51 42	11°57'11	19°59	28°25	11°38	0°45	12°58	5°27	12° 1	6°11	28°32	13°38	13°43	10°43	n.a.	S 19
S 20	0 55 39	12°58'15	1♒52	28° 4	12°54	1°28	13°12	5°33	11°59	6°13	28°33	13°38	13°40	10°50	n.a.	S 20
M21	0 59 35	13°59'20	13°43	27°31	14° 9	2°11	13°25	5°39	11°56	6°15	28°34	13°D38	13°36	10°56	n.a.	M21
T 22	1 3 32	15° 0'25	25°37	26°48	15°25	2°55	13°39	5°45	11°54	6°16	28°34	13°38	13°33	11° 3	n.a.	T 22
W23	1 7 28	16° 1'31	7♓38	25°54	16°41	3°38	13°52	5°51	11°51	6°18	28°35	13°39	13°30	11°10	n.a.	W23
T 24	1 11 25	17° 2'38	19°48	24°51	17°56	4°21	14° 6	5°57	11°49	6°20	28°36	13°39	13°27	11°16	n.a.	T 24
F 25	1 15 21	18° 3'46	2♈10	23°39	19°12	5° 4	14°20	6° 3	11°46	6°22	28°37	13°39	13°24	11°23	n.a.	F 25
S 26	1 19 18	19° 4'55	14°45	22°21	20°27	5°48	14°33	6° 9	11°44	6°24	28°37	13°R39	13°20	11°30	n.a.	S 26
S 27	1 23 15	20° 6'05	27°35	20°59	21°43	6°31	14°47	6°15	11°41	6°25	28°38	13°39	13°17	11°37	n.a.	S 27
M28	1 27 11	21° 7'15	10♉40	19°36	22°59	7°15	15° 0	6°21	11°39	6°27	28°39	13°39	13°14	11°43	n.a.	M28
T 29	1 31 8	22° 8'26	23°58	18°15	24°14	7°58	15°14	6°26	11°36	6°29	28°40	13°38	13°11	11°50	n.a.	T 29
W30	1 35 4	23° 9'38	7♊29	16°58	25°30	8°42	15°27	6°32	11°34	6°31	28°41	13°36	13° 8	11°57	n.a.	W30
T 31	1 39 1	24♎10'52	21♊12	15♎48	26♎45	9♎25	15♎41	6♍37	11♈31	6♍32	28♐42	13♎35	13♎ 5	12♒ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	2n33	13n48	2s40	8s 7	2s21	5n36	1n15	5n29	0n42	2s41	1n 0	12n30	2n14	4n36	0s35	11n20	1n49	32s24	8s31	5s29	5s53	13s53			n.a.
W 2	2 9	16 22	3 38	8 40	2 25	5 5	1 14	5 12	0 41	2 46	1 0	12 27	2 14	4 35	0 35	11 19	1 49	32 24	8 31	5 30	5 52	13 52			n.a.
T 3	1 44	18 5	4 25	9 12	2 29	4 34	1 13	4 55	0 41	2 52	1 0	12 25	2 14	4 34	0 35	11 18	1 49	32 24	8 31	5 31	5 51	13 50			n.a.
F 4	1 20	18 48	4 58	9 43	2 32	4 2	1 12	4 37	0 40	2 57	1 0	12 22	2 15	4 33	0 35	11 17	1 49	32 23	8 31	5 31	5 49	13 49			n.a.
S 5	0 55	18 23	5 15	10 13	2 34	3 30	1 10	4 20	0 40	3 3	1 0	12 20	2 15	4 32	0 35	11 17	1 49	32 23	8 31	5 31	5 48	13 48			n.a.
S 6	0 30	16 49	5 13	10 41	2 36	2 59	1 9	4 2	0 39	3 8	1 0	12 18	2 15	4 31	0 35	11 16	1 49	32 23	8 30	5 30	5 47	13 46			n.a.
M 7	0 6	14 10	4 50	11 8	2 38	2 27	1 7	3 45	0 39	3 14	1 0	12 15	2 15	4 30	0 35	11 15	1 49	32 23	8 30	5 30	5 46	13 45			n.a.
T 8	0s19	10 35	4 9	11 32	2 38	1 55	1 6	3 27	0 38	3 19	1 0	12 13	2 15	4 29	0 35	11 14	1 49	32 23	8 30	5 29	5 44	13 43			n.a.
W 9	0 43	6 19	3 11	11 54	2 38	1 23	1 4	3 9	0 38	3 24	1 0	12 11	2 15	4 28	0 35	11 14	1 49	32 23	8 30	5 28	5 43	13 42			n.a.
T 10	1 8	1 41	2 1	12 14	2 38	0 50	1 3	2 52	0 37	3 30	1 0	12 8	2 15	4 27	0 35	11 13	1 49	32 22	8 30	5 28	5 42	13 41			n.a.
F 11	1 33	3s 0	0 43	12 32	2 36	0 18	1 1	2 34	0 37	3 35	1 0	12 6	2 15	4 26	0 35	11 12	1 50	32 22	8 30	5 28	5 41	13 39			n.a.
S 12	1 57	7 26	0n36	12 46	2 34	0s14	0 59	2 16	0 36	3 41	0 59	12 4	2 16	4 25	0 35	11 11	1 50	32 22	8 29	5 28	5 39	13 38			n.a.
S 13	2 22	11 21	1 51	12 58	2 30	0 46	0 58	1 59	0 36	3 46	0 59	12 1	2 16	4 24	0 35	11 11	1 50	32 22	8 29	5 28	5 38	13 36			n.a.
M14	2 47	14 32	2 57	13 6	2 25	1 18	0 56	1 41	0 35	3 52	0 59	11 59	2 16	4 23	0 35	11 10	1 50	32 22	8 29	5 28	5 37	13 35			n.a.
T 15	3 11	16 53	3 53	13 10	2 19	1 50	0 54	1 23	0 34	3 57	0 59	11 57	2 16	4 22	0 35	11 9	1 50	32 22	8 29	5 28	5 35	13 34			n.a.
W16	3 36	18 18	4 35	13 10	2 12	2 22	0 52	1 5	0 34	4 2	0 59	11 54	2 16	4 21	0 35	11 9	1 50	32 21	8 29	5 29	5 34	13 32			n.a.
T 17	4 0	18 47	5 2	13 5	2 3	2 54	0 50	0 47	0 33	4 8	0 59	11 52	2 16	4 20	0 35	11 8	1 50	32 21	8 29	5 29	5 33	13 31			n.a.
F 18	4 24	18 23	5 16	12 56	1 53	3 26	0 49	0 29	0 33	4 13	0 59	11 50	2 16	4 19	0 35	11 7	1 50	32 21	8 28	5 29	5 32	13 29			n.a.
S 19	4 49	17 10	5 16	12 41	1 41	3 58	0 47	0 11	0 32	4 19	0 59	11 48	2 17	4 18	0 35	11 6	1 50	32 21	8 28	5 29	5 30	13 28			n.a.
S 20	5 13	15 13	5 2	12 20	1 28	4 30	0 45	0s 7	0 32	4 24	0 59	11 46	2 17	4 17	0 35	11 6	1 50	32 21	8 28	5 29	5 29	13 26			n.a.
M21	5 37	12 38	4 35	11 54	1 12	5 2	0 43	0 25	0 31	4 30	0 59	11 44	2 17	4 16	0 35	11 5	1 50	32 21	8 28	5 29	5 28	13 25			n.a.
T 22	6 1	9 31	3 56	11 23	0 56	5 34	0 40	0 43	0 31	4 35	0 59	11 41	2 17	4 15	0 35	11 4	1 50	32 21	8 28	5 29	5 27	13 24			n.a.
W23	6 25	5 59	3 7	10 46	0 37	6 5	0 38	1 1	0 30	4 40	0 59	11 39	2 17	4 14	0 35	11 4	1 50	32 20	8 28	5 29	5 25	13 22			n.a.
T 24	6 49	2 9	2 9	10 4	0 18	6 36	0 36	1 19	0 29	4 46	0 59	11 37	2 17	4 13	0 35	11 3	1 50	32 20	8 28	5 29	5 24	13 21			n.a.
F 25	7 13	1n50	1 3	9 19	0n 2	7 8	0 34	1 37	0 29	4 51	0 59	11 35	2 18	4 12	0 35	11 3	1 50	32 20	8 27	5 29	5 23	13 19			n.a.
S 26	7 36	5 50	0s 6	8 30	0 23	7 39	0 32	1 55	0 28	4 57	0 58	11 33	2 18	4 11	0 35	11 2	1 50	32 20	8 27	5 29	5 22	13 18			n.a.
S 27	8 0	9 37	1 17	7 40	0 43	8 10	0 30	2 13	0 28	5 2	0 58	11 31	2 18	4 10	0 35	11 1	1 50	32 20	8 27	5 29	5 20	13 16			n.a.
M28	8 23	13 1	2 24	6 50	1 3	8 40	0 27	2 31	0 27	5 7	0 58	11 29	2 18	4 10	0 35	11 1	1 50	32 20	8 27	5 29	5 19	13 15			n.a.
T 29	8 47	15 48	3 25	6 1	1 22	9 11	0 25	2 49	0 27	5 13	0 58	11 27	2 18	4 9	0 35	11 0	1 50	32 20	8 27	5 28	5 18	13 13			n.a.
W30	9 10	17 45	4 16	5 16	1 39	9 41	0 23	3 7	0 26	5 18	0 58	11 25	2 18	4 8	0 35	11 0	1 50	32 19	8 27	5 28	5 17	13 12			n.a.
T 31	9s33	18n43	4s53	4s34	1n55	10s11	0n21	3s25	0n25	5s23	0n58	11n23	2n19	4n 7	0s35	10n59	1n50	32s19	8s27	5s27	5s15	13s11			n.a.

Julian Day Number = 1110998.5, Delta T = 10h52m25s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'37, Lahiri = -27°00'37 Julian Calendar 1 Oct. 1672 BCE == Greg. Calendar 17 Sept. 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

NOVEMBER 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 42 57	25♎12'06	5♋ 5	14°R47	28♎ 1	10♎ 9	15♎54	6♍43	11°R29	6♍34	28♐43	13°R34	13♎ 1	12♒10	n.a.	F 1
S 2	1 46 54	26°13'21	19° 6	13♎56	29°16	10°53	16° 8	6°48	11♈26	6°35	28°44	13♎33	12°58	12°17	n.a.	S 2
S 3	1 50 51	27°14'36	3♌14	13°16	0♏32	11°36	16°21	6°54	11°24	6°37	28°45	13°D33	12°55	12°23	n.a.	S 3
M 4	1 54 47	28°15'53	17°28	12°47	1°48	12°20	16°35	6°59	11°22	6°39	28°46	13°34	12°52	12°30	n.a.	M 4
T 5	1 58 44	29°17'11	1♍44	12°29	3° 3	13° 4	16°48	7° 4	11°19	6°40	28°47	13°35	12°49	12°37	n.a.	T 5
W 6	2 2 40	0♏18'29	16° 0	12°D22	4°19	13°48	17° 1	7°10	11°17	6°42	28°48	13°36	12°45	12°44	n.a.	W 6
T 7	2 6 37	1°19'47	0♎13	12°24	5°34	14°32	17°15	7°15	11°14	6°43	28°49	13°37	12°42	12°50	n.a.	T 7
F 8	2 10 33	2°21'07	14°19	12°36	6°50	15°16	17°28	7°20	11°12	6°45	28°50	13°R38	12°39	12°57	n.a.	F 8
S 9	2 14 30	3°22'26	28°14	12°57	8° 5	16° 0	17°41	7°25	11°10	6°46	28°51	13°37	12°36	13° 4	n.a.	S 9
S 10	2 18 26	4°23'46	11♏54	13°25	9°21	16°44	17°55	7°30	11° 7	6°47	28°52	13°36	12°33	13°10	n.a.	S 10
M11	2 22 23	5°25'07	25°18	14° 0	10°36	17°28	18° 8	7°35	11° 5	6°49	28°53	13°33	12°30	13°17	n.a.	M11
T 12	2 26 20	6°26'27	8♐22	14°42	11°52	18°12	18°21	7°40	11° 3	6°50	28°54	13°29	12°26	13°24	n.a.	T 12
W13	2 30 16	7°27'47	21° 7	15°29	13° 7	18°56	18°35	7°44	11° 1	6°52	28°56	13°25	12°23	13°31	n.a.	W13
T 14	2 34 13	8°29'08	3♑35	16°20	14°23	19°40	18°48	7°49	10°59	6°53	28°57	13°21	12°20	13°37	n.a.	T 14
F 15	2 38 9	9°30'28	15°48	17°16	15°38	20°25	19° 1	7°53	10°56	6°54	28°58	13°18	12°17	13°44	n.a.	F 15
S 16	2 42 6	10°31'48	27°48	18°16	16°53	21° 9	19°14	7°58	10°54	6°55	28°59	13°16	12°14	13°51	n.a.	S 16
S 17	2 46 2	11°33'08	9♒42	19°19	18° 9	21°53	19°27	8° 2	10°52	6°57	29° 1	13°D15	12°11	13°57	n.a.	S 17
M18	2 49 59	12°34'27	21°33	20°26	19°24	22°37	19°40	8° 7	10°50	6°58	29° 2	13°16	12° 7	14° 4	n.a.	M18
T 19	2 53 56	13°35'46	3♓26	21°35	20°40	23°22	19°53	8°11	10°48	6°59	29° 3	13°17	12° 4	14°11	n.a.	T 19
W20	2 57 52	14°37'05	15°27	22°46	21°55	24° 6	20° 6	8°15	10°46	7° 0	29° 5	13°19	12° 1	14°17	n.a.	W20
T 21	3 1 49	15°38'23	27°40	23°59	23°10	24°51	20°19	8°19	10°44	7° 1	29° 6	13°20	11°58	14°24	n.a.	T 21
F 22	3 5 45	16°39'40	10♈ 8	25°14	24°26	25°35	20°32	8°23	10°42	7° 2	29° 7	13°R21	11°55	14°31	n.a.	F 22
S 23	3 9 42	17°40'58	22°56	26°31	25°41	26°20	20°45	8°27	10°40	7° 3	29° 9	13°21	11°51	14°38	n.a.	S 23
S 24	3 13 38	18°42'15	6♉ 3	27°49	26°56	27° 4	20°58	8°31	10°39	7° 4	29°10	13°19	11°48	14°44	n.a.	S 24
M25	3 17 35	19°43'31	19°31	29° 9	28°12	27°49	21°10	8°35	10°37	7° 5	29°12	13°15	11°45	14°51	n.a.	M25
T 26	3 21 31	20°44'48	3♊17	0♏30	29°27	28°34	21°23	8°38	10°35	7° 6	29°13	13°10	11°42	14°58	n.a.	T 26
W27	3 25 28	21°46'03	17°17	1°51	0♐42	29°18	21°36	8°42	10°33	7° 7	29°14	13° 3	11°39	15° 4	n.a.	W27
T 28	3 29 25	22°47'19	1♋29	3°14	1°58	0♏ 3	21°48	8°45	10°31	7° 8	29°16	12°57	11°36	15°11	n.a.	T 28
F 29	3 33 21	23°48'34	15°45	4°38	3°13	0°48	22° 1	8°49	10°30	7° 9	29°17	12°51	11°32	15°18	n.a.	F 29
S 30	3 37 18	24♏49'49	0♌ 3	6♏ 3	4♐28	1♏33	22♎13	8♍52	10♈28	7♍10	29♐19	12♎46	11♎29	15♒24	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s56	18n34	5s13	3s58	2n 9	10s41	0n18	3s43	0n25	5s29	0n58	11n21	2n19	4n 6	0s35	10n58	1n50	32s19	8s26	5s27	5s14	13s 9		n.a.
S 2	10 18	17 18	5 15	3 27	2 20	11 10	0 16	4 1	0 24	5 34	0 58	11 19	2 19	4 5	0 35	10 58	1 51	32 19	8 26	5 27	5 13	13 8		n.a.
S 3	10 41	14 58	4 58	3 3	2 30	11 39	0 14	4 19	0 24	5 39	0 58	11 17	2 19	4 4	0 35	10 57	1 51	32 19	8 26	5 27	5 12	13 6		n.a.
M 4	11 3	11 43	4 23	2 44	2 37	12 8	0 11	4 37	0 23	5 45	0 58	11 16	2 19	4 3	0 35	10 57	1 51	32 19	8 26	5 27	5 10	13 5		n.a.
T 5	11 25	7 46	3 32	2 32	2 42	12 37	0 9	4 55	0 22	5 50	0 58	11 14	2 20	4 2	0 35	10 56	1 51	32 19	8 26	5 27	5 9	13 3		n.a.
W 6	11 47	3 22	2 27	2 26	2 46	13 5	0 7	5 12	0 22	5 55	0 58	11 12	2 20	4 1	0 34	10 56	1 51	32 19	8 26	5 28	5 8	13 2		n.a.
T 7	12 9	1s12	1 13	2 26	2 48	13 33	0 4	5 30	0 21	6 0	0 58	11 10	2 20	4 0	0 34	10 55	1 51	32 18	8 26	5 28	5 7	13 0		n.a.
F 8	12 31	5 41	0n 4	2 30	2 48	14 1	0 2	5 48	0 21	6 6	0 58	11 8	2 20	3 59	0 34	10 55	1 51	32 18	8 25	5 29	5 5	12 59		n.a.
S 9	12 52	9 48	1 20	2 39	2 47	14 28	0s 0	6 6	0 20	6 11	0 58	11 7	2 20	3 58	0 34	10 54	1 51	32 18	8 25	5 28	5 4	12 57		n.a.
S 10	13 13	13 19	2 30	2 52	2 45	14 55	0 3	6 24	0 19	6 16	0 58	11 5	2 21	3 57	0 34	10 54	1 51	32 18	8 25	5 28	5 3	12 56		n.a.
M11	13 34	16 3	3 30	3 8	2 43	15 22	0 5	6 42	0 19	6 21	0 58	11 3	2 21	3 56	0 34	10 53	1 51	32 18	8 25	5 27	5 2	12 54		n.a.
T 12	13 55	17 53	4 17	3 28	2 39	15 48	0 8	6 59	0 18	6 26	0 58	11 2	2 21	3 56	0 34	10 53	1 51	32 18	8 25	5 25	5 0	12 53		n.a.
W13	14 15	18 45	4 51	3 50	2 34	16 14	0 10	7 17	0 17	6 31	0 58	11 0	2 21	3 55	0 34	10 52	1 51	32 18	8 25	5 24	4 59	12 52		n.a.
T 14	14 36	18 41	5 9	4 15	2 29	16 39	0 12	7 35	0 17	6 37	0 58	10 59	2 22	3 54	0 34	10 52	1 51	32 18	8 25	5 22	4 58	12 50		n.a.
F 15	14 56	17 44	5 14	4 42	2 24	17 4	0 15	7 52	0 16	6 42	0 58	10 57	2 22	3 53	0 34	10 51	1 51	32 18	8 25	5 21	4 56	12 49		n.a.
S 16	15 15	16 1	5 4	5 10	2 18	17 28	0 17	8 10	0 16	6 47	0 58	10 56	2 22	3 52	0 34	10 51	1 51	32 17	8 25	5 20	4 55	12 47		n.a.
S 17	15 35	13 38	4 41	5 41	2 11	17 52	0 19	8 27	0 15	6 52	0 58	10 54	2 22	3 51	0 34	10 51	1 51	32 17	8 24	5 20	4 54	12 46		n.a.
M18	15 54	10 42	4 7	6 12	2 5	18 15	0 22	8 45	0 14	6 57	0 58	10 53	2 23	3 51	0 34	10 50	1 51	32 17	8 24	5 20	4 53	12 44		n.a.
T 19	16 13	7 19	3 21	6 45	1 58	18 38	0 24	9 2	0 14	7 2	0 58	10 51	2 23	3 50	0 34	10 50	1 51	32 17	8 24	5 20	4 51	12 43		n.a.
W20	16 31	3 35	2 27	7 18	1 51	19 1	0 26	9 19	0 13	7 7	0 58	10 50	2 23	3 49	0 34	10 49	1 52	32 17	8 24	5 21	4 50	12 41		n.a.
T 21	16 50	0n21	1 25	7 52	1 43	19 22	0 29	9 36	0 12	7 12	0 58	10 49	2 23	3 48	0 34	10 49	1 52	32 17	8 24	5 22	4 49	12 40		n.a.
F 22	17 8	4 21	0 18	8 27	1 36	19 44	0 31	9 54	0 12	7 17	0 58	10 47	2 23	3 48	0 34	10 49	1 52	32 17	8 24	5 22	4 48	12 38		n.a.
S 23	17 25	8 16	0s52	9 3	1 29	20 4	0 33	10 11	0 11	7 22	0 58	10 46	2 24	3 47	0 34	10 48	1 52	32 17	8 24	5 22	4 46	12 37		n.a.
S 24	17 43	11 54	2 1	9 38	1 21	20 25	0 35	10 28	0 10	7 27	0 58	10 45	2 24	3 46	0 34	10 48	1 52	32 17	8 24	5 21	4 45	12 35		n.a.
M25	18 0	14 59	3 4	10 14	1 13	20 44	0 38	10 45	0 10	7 31	0 58	10 44	2 24	3 45	0 34	10 48	1 52	32 17	8 24	5 20	4 44	12 34		n.a.
T 26	18 16	17 18	3 58	10 50	1 6	21 3	0 40	11 2	0 9	7 36	0 58	10 42	2 24	3 45	0 34	10 48	1 52	32 17	8 24	5 17	4 43	12 32		n.a.
W27	18 33	18 38	4 39	11 26	0 58	21 22	0 42	11 18	0 8	7 41	0 58	10 41	2 25	3 44	0 34	10 47	1 52	32 17	8 24	5 15	4 41	12 31		n.a.
T 28	18 49	18 49	5 4	12 2	0 50	21 39	0 44	11 35	0 7	7 46	0 58	10 40	2 25	3 43	0 34	10 47	1 52	32 17	8 23	5 12	4 40	12 29		n.a.
F 29	19 4	17 49	5 9	12 38	0 43	21 57	0 46	11 52	0 7	7 51	0 58	10 39	2 25	3 43	0 34	10 47	1 52	32 16	8 23	5 10	4 39	12 28		n.a.
S 30	19s20	15n42	4s56	13s14	0n35	22s13	0s48	12s 8	0n 6	7s55	0n58	10n38	2n26	3n42	0s34	10n46	1n52	32s16	8s23	5s 8	4s38	12s26		n.a.

Julian Day Number = 1111029.5, Delta T = 10h52m23s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'33, Lahiri = -27°00'33 Julian Calendar 1 Nov. 1672 BCE == Greg. Calendar 18 Oct. 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1672 BCE
geocentric

DECEMBER 1672 BCE (-1671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 41 14	25♏51'04	14♌17	7♏28	5♐43	2♏18	22♎26	8♍55	10°R27	7♍10	29♐20	12°R44	11♎26	15♒31	n.a.	S 1
M 2	3 45 11	26°52'18	28°26	8°55	6°59	3° 3	22°38	8°59	10♈25	7°11	29°22	12°D43	11°23	15°38	n.a.	M 2
T 3	3 49 7	27°53'32	12♍29	10°22	8°14	3°48	22°51	9° 2	10°24	7°12	29°24	12♎44	11°20	15°45	n.a.	T 3
W 4	3 53 4	28°54'46	26°23	11°49	9°29	4°33	23° 3	9° 5	10°22	7°12	29°25	12°45	11°17	15°51	n.a.	W 4
T 5	3 57 1	29°55'59	10♎10	13°18	10°44	5°18	23°15	9° 7	10°21	7°13	29°27	12°R46	11°13	15°58	n.a.	T 5
F 6	4 0 57	0♐57'11	23°47	14°47	11°59	6° 3	23°27	9°10	10°19	7°14	29°28	12°46	11°10	16° 5	n.a.	F 6
S 7	4 4 54	1°58'23	7♏15	16°16	13°14	6°48	23°39	9°13	10°18	7°14	29°30	12°43	11° 7	16°11	n.a.	S 7
S 8	4 8 50	2°59'35	20°32	17°46	14°30	7°33	23°51	9°15	10°17	7°15	29°32	12°38	11° 4	16°18	n.a.	S 8
M 9	4 12 47	4° 0'45	3♐36	19°17	15°45	8°18	24° 3	9°18	10°15	7°15	29°33	12°30	11° 1	16°25	n.a.	M 9
T 10	4 16 43	5° 1'55	16°28	20°48	17° 0	9° 3	24°15	9°20	10°14	7°16	29°35	12°21	10°57	16°31	n.a.	T 10
W11	4 20 40	6° 3'03	29° 5	22°20	18°15	9°48	24°27	9°23	10°13	7°16	29°36	12°10	10°54	16°38	n.a.	W11
T 12	4 24 36	7° 4'11	11♑28	23°53	19°30	10°34	24°39	9°25	10°12	7°17	29°38	12° 0	10°51	16°45	n.a.	T 12
F 13	4 28 33	8° 5'17	23°38	25°26	20°45	11°19	24°50	9°27	10°11	7°17	29°40	11°50	10°48	16°52	n.a.	F 13
S 14	4 32 30	9° 6'22	5♒38	27° 0	22° 0	12° 4	25° 2	9°29	10°10	7°17	29°41	11°43	10°45	16°58	n.a.	S 14
S 15	4 36 26	10° 7'25	17°30	28°34	23°15	12°50	25°13	9°31	10° 9	7°18	29°43	11°37	10°42	17° 5	n.a.	S 15
M16	4 40 23	11° 8'27	29°20	0♐ 9	24°30	13°35	25°25	9°32	10° 8	7°18	29°45	11°34	10°38	17°12	n.a.	M16
T 17	4 44 19	12° 9'28	11♓11	1°45	25°45	14°20	25°36	9°34	10° 7	7°18	29°47	11°D33	10°35	17°18	n.a.	T 17
W18	4 48 16	13°10'27	23°10	3°21	27° 0	15° 6	25°47	9°36	10° 7	7°18	29°48	11°34	10°32	17°25	n.a.	W18
T 19	4 52 12	14°11'25	5♈21	4°58	28°15	15°51	25°59	9°37	10° 6	7°18	29°50	11°R34	10°29	17°32	n.a.	T 19
F 20	4 56 9	15°12'21	17°50	6°36	29°30	16°37	26°10	9°39	10° 5	7°19	29°52	11°34	10°26	17°38	n.a.	F 20
S 21	5 0 6	16°13'16	0♉40	8°14	0♑45	17°22	26°21	9°40	10° 5	7°19	29°53	11°33	10°22	17°45	n.a.	S 21
S 22	5 4 2	17°14'09	13°56	9°53	2° 0	18° 8	26°32	9°41	10° 4	7°19	29°55	11°28	10°19	17°52	n.a.	S 22
M23	5 7 59	18°15'00	27°38	11°33	3°15	18°53	26°42	9°42	10° 3	7°R19	29°57	11°22	10°16	17°58	n.a.	M23
T 24	5 11 55	19°15'50	11♊45	13°14	4°30	19°39	26°53	9°43	10° 3	7°19	29°59	11°12	10°13	18° 5	n.a.	T 24
W25	5 15 52	20°16'39	26°11	14°55	5°44	20°25	27° 4	9°44	10° 2	7°19	0♑ 0	11° 2	10°10	18°12	n.a.	W25
T 26	5 19 48	21°17'26	10♋52	16°37	6°59	21°10	27°14	9°45	10° 2	7°19	0° 2	10°50	10° 7	18°19	n.a.	T 26
F 27	5 23 45	22°18'12	25°37	18°20	8°14	21°56	27°25	9°45	10° 2	7°19	0° 4	10°40	10° 3	18°25	n.a.	F 27
S 28	5 27 41	23°18'56	10♌20	20° 3	9°29	22°42	27°35	9°46	10° 2	7°18	0° 6	10°32	10° 0	18°32	n.a.	S 28
S 29	5 31 38	24°19'39	24°54	21°48	10°44	23°27	27°45	9°46	10° 1	7°18	0° 8	10°26	9°57	18°39	n.a.	S 29
M30	5 35 35	25°20'21	9♍14	23°33	11°58	24°13	27°56	9°47	10° 1	7°18	0° 9	10°23	9°54	18°45	n.a.	M30
T 31	5 39 31	26♐21'01	23♍18	25♐19	13♑13	24♏59	28♎ 6	9♍47	10♈ 1	7♍18	0♑11	10°D22	9♎51	18♒52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s35	12n38	4s24	13s50	0n27	22s29	0s50	12s25	0n 5	8s 0	0n58	10n37	2n26	3n41	0s34	10n46	1n52	32s16	8s23	5s 7	4s36	12s25		n.a.
M 2	19 49	8 51	3 37	14 25	0 20	22 44	0 52	12 41	0 5	8 5	0 58	10 36	2 26	3 41	0 34	10 46	1 52	32 16	8 23	5 7	4 35	12 23		n.a.
T 3	20 4	4 36	2 36	15 0	0 13	22 59	0 54	12 57	0 4	8 9	0 58	10 35	2 26	3 40	0 34	10 46	1 52	32 16	8 23	5 7	4 34	12 22		n.a.
W 4	20 17	0 8	1 27	15 35	0 5	23 13	0 56	13 13	0 3	8 14	0 58	10 34	2 27	3 40	0 34	10 46	1 52	32 16	8 23	5 8	4 32	12 20		n.a.
T 5	20 31	4s19	0 14	16 9	0s 2	23 26	0 58	13 29	0 3	8 18	0 58	10 33	2 27	3 39	0 34	10 45	1 53	32 16	8 23	5 8	4 31	12 19		n.a.
F 6	20 44	8 29	0n59	16 43	0 9	23 38	1 0	13 45	0 2	8 23	0 58	10 33	2 27	3 39	0 34	10 45	1 53	32 16	8 23	5 8	4 30	12 17		n.a.
S 7	20 57	12 10	2 8	17 16	0 16	23 50	1 2	14 1	0 1	8 28	0 58	10 32	2 27	3 38	0 34	10 45	1 53	32 16	8 23	5 7	4 29	12 16		n.a.
S 8	21 9	15 11	3 9	17 49	0 23	24 1	1 3	14 17	0 0	8 32	0 58	10 31	2 28	3 38	0 34	10 45	1 53	32 16	8 23	5 5	4 27	12 14		n.a.
M 9	21 21	17 22	3 59	18 21	0 30	24 11	1 5	14 32	0s 0	8 36	0 58	10 30	2 28	3 37	0 34	10 45	1 53	32 16	8 23	5 2	4 26	12 13		n.a.
T 10	21 32	18 37	4 35	18 52	0 36	24 21	1 7	14 48	0 1	8 41	0 58	10 30	2 28	3 37	0 34	10 45	1 53	32 16	8 23	4 58	4 25	12 11		n.a.
W11	21 43	18 56	4 57	19 23	0 42	24 30	1 8	15 3	0 2	8 45	0 58	10 29	2 28	3 36	0 34	10 45	1 53	32 16	8 23	4 54	4 24	12 10		n.a.
T 12	21 54	18 19	5 5	19 53	0 49	24 38	1 10	15 18	0 2	8 50	0 58	10 29	2 29	3 36	0 34	10 45	1 53	32 16	8 23	4 50	4 22	12 8		n.a.
F 13	22 4	16 52	4 59	20 22	0 55	24 45	1 12	15 33	0 3	8 54	0 58	10 28	2 29	3 36	0 34	10 44	1 53	32 16	8 23	4 46	4 21	12 7		n.a.
S 14	22 14	14 42	4 39	20 50	1 1	24 51	1 13	15 48	0 4	8 58	0 58	10 27	2 29	3 35	0 33	10 44	1 53	32 16	8 23	4 43	4 20	12 5		n.a.
S 15	22 23	11 57	4 8	21 17	1 6	24 57	1 15	16 3	0 5	9 2	0 58	10 27	2 30	3 35	0 33	10 44	1 53	32 16	8 23	4 41	4 19	12 4		n.a.
M16	22 32	8 43	3 26	21 44	1 12	25 2	1 16	16 18	0 5	9 7	0 58	10 27	2 30	3 35	0 33	10 44	1 53	32 16	8 23	4 40	4 17	12 2		n.a.
T 17	22 40	5 7	2 35	22 9	1 17	25 6	1 17	16 32	0 6	9 11	0 58	10 26	2 30	3 34	0 33	10 44	1 53	32 16	8 23	4 39	4 16	12 0		n.a.
W18	22 48	1 17	1 37	22 33	1 22	25 10	1 19	16 47	0 7	9 15	0 58	10 26	2 30	3 34	0 33	10 44	1 53	32 16	8 23	4 39	4 15	11 59		n.a.
T 19	22 56	2n40	0 33	22 56	1 26	25 12	1 20	17 1	0 8	9 19	0 58	10 26	2 31	3 34	0 33	10 44	1 54	32 16	8 23	4 40	4 13	11 57		n.a.
F 20	23 3	6 37	0s33	23 18	1 31	25 14	1 21	17 15	0 8	9 23	0 58	10 25	2 31	3 33	0 33	10 44	1 54	32 16	8 23	4 40	4 12	11 56		n.a.
S 21	23 9	10 22	1 40	23 39	1 35	25 15	1 22	17 29	0 9	9 27	0 58	10 25	2 31	3 33	0 33	10 44	1 54	32 16	8 23	4 39	4 11	11 54		n.a.
S 22	23 16	13 43	2 43	23 59	1 39	25 15	1 23	17 42	0 10	9 31	0 58	10 25	2 32	3 33	0 33	10 44	1 54	32 16	8 23	4 37	4 10	11 53		n.a.
M23	23 21	16 27	3 39	24 17	1 43	25 15	1 24	17 56	0 11	9 35	0 58	10 25	2 32	3 33	0 33	10 44	1 54	32 16	8 23	4 34	4 8	11 51		n.a.
T 24	23 27	18 16	4 24	24 34	1 46	25 14	1 25	18 9	0 11	9 39	0 58	10 25	2 32	3 33	0 33	10 45	1 54	32 16	8 23	4 31	4 7	11 50		n.a.
W25	23 31	18 58	4 52	24 49	1 49	25 11	1 26	18 23	0 12	9 43	0 58	10 25	2 32	3 33	0 33	10 45	1 54	32 16	8 23	4 27	4 6	11 48		n.a.
T 26	23 36	18 25	5 2	25 3	1 51	25 9	1 27	18 36	0 13	9 47	0 58	10 24	2 33	3 32	0 33	10 45	1 54	32 16	8 23	4 22	4 5	11 47		n.a.
F 27	23 39	16 38	4 52	25 15	1 54	25 5	1 28	18 48	0 14	9 50	0 58	10 24	2 33	3 32	0 33	10 45	1 54	32 16	8 23	4 18	4 3	11 45		n.a.
S 28	23 43	13 46	4 23	25 26	1 56	25 0	1 28	19 1	0 14	9 54	0 58	10 25	2 33	3 32	0 33	10 45	1 54	32 16	8 23	4 15	4 2	11 44		n.a.
S 29	23 46	10 4	3 36	25 35	1 57	24 55	1 29	19 14	0 15	9 58	0 58	10 25	2 34	3 32	0 33	10 45	1 54	32 16	8 23	4 12	4 1	11 42		n.a.
M30	23 48	5 50	2 37	25 42	1 58	24 49	1 29	19 26	0 16	10 1	0 59	10 25	2 34	3 32	0 33	10 45	1 54	32 16	8 23	4 11	3 59	11 40		n.a.
T 31	23s50	1n21	1s29	25s47	1s59	24s42	1s30	19s38	0s17	10s 5	0n59	10n25	2n34	3n32	0s33	10n45	1n54	32s16	8s23	4s11	3s58	11s39		n.a.

Julian Day Number = 1111059.5, Delta T = 10h52m22s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'29, Lahiri = -27°00'29 Julian Calendar 1 Dec. 1672 BCE == Greg. Calendar 17 Nov. 1672 BCE

The year -1671 astronomical counting style corresponds to year 1672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

JANUARY 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 43 28	27♐21'40	7♎ 5	27♐ 6	14♑28	25♏45	28♎16	9♍47	10°R 1	7°R17	0♑13	10°R23	9♎48	18♒59	n.a.	W 1
T 2	5 47 24	28°22'18	20°37	28°53	15°42	26°31	28°25	9°R47	10°D 1	7♍17	0°15	10♎22	9°44	19° 5	n.a.	T 2
F 3	5 51 21	29°22'54	3♏55	0♑42	16°57	27°16	28°35	9°47	10♈ 1	7°17	0°16	10°20	9°41	19°12	n.a.	F 3
S 4	5 55 17	0♑23'29	17° 1	2°31	18°12	28° 2	28°45	9°47	10° 1	7°16	0°18	10°16	9°38	19°19	n.a.	S 4
S 5	5 59 14	1°24'02	29°55	4°21	19°26	28°48	28°54	9°47	10° 1	7°16	0°20	10° 8	9°35	19°26	n.a.	S 5
M 6	6 3 10	2°24'33	12♐39	6°12	20°41	29°34	29° 4	9°46	10° 1	7°16	0°22	9°58	9°32	19°32	n.a.	M 6
T 7	6 7 7	3°25'03	25°12	8° 3	21°55	0♐20	29°13	9°46	10° 2	7°15	0°24	9°45	9°28	19°39	n.a.	T 7
W 8	6 11 4	4°25'32	7♑35	9°55	23°10	1° 6	29°22	9°45	10° 2	7°15	0°25	9°30	9°25	19°46	n.a.	W 8
T 9	6 15 0	5°25'58	19°48	11°47	24°24	1°52	29°31	9°45	10° 2	7°14	0°27	9°16	9°22	19°52	n.a.	T 9
F 10	6 18 57	6°26'22	1♒52	13°39	25°39	2°38	29°40	9°44	10° 3	7°13	0°29	9° 2	9°19	19°59	n.a.	F 10
S 11	6 22 53	7°26'45	13°48	15°32	26°53	3°24	29°49	9°43	10° 3	7°13	0°31	8°51	9°16	20° 6	n.a.	S 11
S 12	6 26 50	8°27'05	25°39	17°25	28° 8	4°10	29°57	9°42	10° 4	7°12	0°32	8°42	9°13	20°12	n.a.	S 12
M13	6 30 46	9°27'23	7♓27	19°17	29°22	4°56	0♏ 6	9°41	10° 4	7°12	0°34	8°37	9° 9	20°19	n.a.	M13
T 14	6 34 43	10°27'39	19°16	21° 9	0♒36	5°42	0°14	9°40	10° 5	7°11	0°36	8°34	9° 6	20°26	n.a.	T 14
W15	6 38 39	11°27'52	1♈12	23° 0	1°51	6°28	0°23	9°38	10° 6	7°10	0°38	8°33	9° 3	20°32	n.a.	W15
T 16	6 42 36	12°28'04	13°20	24°50	3° 5	7°14	0°31	9°37	10° 6	7° 9	0°39	8°33	9° 0	20°39	n.a.	T 16
F 17	6 46 33	13°28'13	25°45	26°39	4°19	8° 1	0°39	9°36	10° 7	7° 9	0°41	8°32	8°57	20°46	n.a.	F 17
S 18	6 50 29	14°28'20	8♉33	28°26	5°34	8°47	0°47	9°34	10° 8	7° 8	0°43	8°31	8°54	20°53	n.a.	S 18
S 19	6 54 26	15°28'25	21°47	0♒10	6°48	9°33	0°54	9°32	10° 9	7° 7	0°45	8°27	8°50	20°59	n.a.	S 19
M20	6 58 22	16°28'27	5♊30	1°52	8° 2	10°19	1° 2	9°31	10°10	7° 6	0°46	8°20	8°47	21° 6	n.a.	M20
T 21	7 2 19	17°28'27	19°43	3°30	9°16	11° 5	1° 9	9°29	10°11	7° 5	0°48	8°11	8°44	21°13	n.a.	T 21
W22	7 6 15	18°28'25	4♋22	5° 5	10°30	11°51	1°17	9°27	10°12	7° 4	0°50	8° 0	8°41	21°19	n.a.	W22
T 23	7 10 12	19°28'21	19°20	6°35	11°44	12°38	1°24	9°25	10°13	7° 3	0°52	7°48	8°38	21°26	n.a.	T 23
F 24	7 14 8	20°28'14	4♌27	8° 0	12°58	13°24	1°31	9°23	10°14	7° 2	0°53	7°38	8°34	21°33	n.a.	F 24
S 25	7 18 5	21°28'06	19°34	9°20	14°12	14°10	1°38	9°21	10°15	7° 1	0°55	7°29	8°31	21°39	n.a.	S 25
S 26	7 22 2	22°27'55	4♍31	10°34	15°26	14°56	1°45	9°18	10°17	7° 0	0°57	7°23	8°28	21°46	n.a.	S 26
M27	7 25 58	23°27'43	19°10	11°41	16°40	15°42	1°51	9°16	10°18	6°59	0°58	7°20	8°25	21°53	n.a.	M27
T 28	7 29 55	24°27'29	3♎27	12°41	17°54	16°29	1°58	9°13	10°19	6°58	1° 0	7°D19	8°22	21°59	n.a.	T 28
W29	7 33 51	25°27'13	17°22	13°34	19° 8	17°15	2° 4	9°11	10°21	6°57	1° 2	7°19	8°19	22° 6	n.a.	W29
T 30	7 37 48	26°26'55	0♏53	14°19	20°21	18° 1	2°10	9° 8	10°22	6°56	1° 3	7°R19	8°15	22°13	n.a.	T 30
F 31	7 41 44	27♑26'35	14♏ 5	14♒56	21♒35	18♐47	2♏16	9♍ 5	10♈24	6♍55	1♑ 5	7♎18	8♎12	22♒19	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s52	3s 8	0s17	25s50	1s59	24s35	1s30	19s50	0s17	10s 9	0n59	10n25	2n34	3n32	0s33	10n46	1n54	32s16	8s23	4s11	3s57	11s37		n.a.
T 2	23 53	7 22	0n54	25 52	1 59	24 27	1 31	20 2	0 18	10 12	0 59	10 25	2 35	3 32	0 33	10 46	1 55	32 16	8 23	4 11	3 56	11 36		n.a.
F 3	23 53	11 10	2 1	25 51	1 58	24 18	1 31	20 13	0 19	10 16	0 59	10 26	2 35	3 32	0 33	10 46	1 55	32 16	8 23	4 10	3 54	11 34		n.a.
S 4	23 53	14 21	3 1	25 49	1 57	24 8	1 31	20 25	0 20	10 19	0 59	10 26	2 35	3 32	0 33	10 46	1 55	32 16	8 23	4 8	3 53	11 33		n.a.
S 5	23 53	16 46	3 50	25 44	1 55	23 57	1 32	20 36	0 20	10 22	0 59	10 26	2 36	3 32	0 33	10 46	1 55	32 16	8 23	4 5	3 52	11 31		n.a.
M 6	23 52	18 19	4 27	25 37	1 53	23 46	1 32	20 47	0 21	10 26	0 59	10 27	2 36	3 33	0 33	10 47	1 55	32 16	8 23	4 1	3 51	11 30		n.a.
T 7	23 50	18 58	4 50	25 28	1 50	23 34	1 32	20 58	0 22	10 29	0 59	10 27	2 36	3 33	0 33	10 47	1 55	32 16	8 23	3 56	3 49	11 28		n.a.
W 8	23 49	18 41	5 0	25 17	1 46	23 22	1 32	21 8	0 23	10 32	0 59	10 28	2 36	3 33	0 33	10 47	1 55	32 17	8 23	3 50	3 48	11 26		n.a.
T 9	23 46	17 32	4 55	25 3	1 42	23 8	1 32	21 18	0 24	10 35	0 59	10 28	2 37	3 33	0 33	10 47	1 55	32 17	8 23	3 44	3 47	11 25		n.a.
F 10	23 44	15 37	4 37	24 47	1 37	22 54	1 31	21 28	0 24	10 38	0 59	10 29	2 37	3 33	0 33	10 48	1 55	32 17	8 24	3 39	3 46	11 23		n.a.
S 11	23 40	13 3	4 7	24 29	1 32	22 40	1 31	21 38	0 25	10 41	0 59	10 29	2 37	3 33	0 32	10 48	1 55	32 17	8 24	3 34	3 44	11 22		n.a.
S 12	23 37	9 59	3 26	24 9	1 26	22 24	1 31	21 48	0 26	10 45	0 59	10 30	2 38	3 34	0 32	10 48	1 55	32 17	8 24	3 31	3 43	11 20		n.a.
M13	23 33	6 31	2 37	23 46	1 19	22 8	1 30	21 57	0 27	10 48	0 59	10 31	2 38	3 34	0 32	10 48	1 55	32 17	8 24	3 29	3 42	11 19		n.a.
T 14	23 28	2 48	1 40	23 22	1 11	21 52	1 30	22 7	0 27	10 50	0 59	10 31	2 38	3 34	0 32	10 49	1 55	32 17	8 24	3 27	3 40	11 17		n.a.
W15	23 23	1n 5	0 39	22 55	1 3	21 34	1 30	22 15	0 28	10 53	1 0	10 32	2 38	3 35	0 32	10 49	1 55	32 17	8 24	3 27	3 39	11 15		n.a.
T 16	23 17	4 58	0s25	22 27	0 54	21 16	1 29	22 24	0 29	10 56	1 0	10 33	2 39	3 35	0 32	10 49	1 55	32 17	8 24	3 27	3 38	11 14		n.a.
F 17	23 11	8 45	1 30	21 57	0 44	20 58	1 28	22 33	0 30	10 59	1 0	10 34	2 39	3 35	0 32	10 50	1 55	32 17	8 24	3 27	3 37	11 12		n.a.
S 18	23 5	12 13	2 32	21 25	0 34	20 39	1 28	22 41	0 31	11 2	1 0	10 35	2 39	3 36	0 32	10 50	1 56	32 17	8 24	3 26	3 35	11 11		n.a.
S 19	22 58	15 13	3 28	20 52	0 23	20 19	1 27	22 49	0 31	11 4	1 0	10 35	2 39	3 36	0 32	10 51	1 56	32 17	8 24	3 25	3 34	11 9		n.a.
M20	22 51	17 28	4 14	20 17	0 11	19 59	1 26	22 57	0 32	11 7	1 0	10 36	2 40	3 36	0 32	10 51	1 56	32 18	8 25	3 22	3 33	11 8		n.a.
T 21	22 43	18 44	4 46	19 42	0n 2	19 38	1 25	23 4	0 33	11 9	1 0	10 37	2 40	3 37	0 32	10 51	1 56	32 18	8 25	3 18	3 31	11 6		n.a.
W22	22 35	18 49	5 0	19 7	0 15	19 17	1 24	23 11	0 34	11 12	1 0	10 38	2 40	3 37	0 32	10 52	1 56	32 18	8 25	3 14	3 30	11 4		n.a.
T 23	22 27	17 36	4 55	18 31	0 28	18 55	1 23	23 18	0 35	11 14	1 0	10 39	2 40	3 38	0 32	10 52	1 56	32 18	8 25	3 9	3 29	11 3		n.a.
F 24	22 18	15 9	4 29	17 55	0 42	18 32	1 22	23 25	0 35	11 17	1 0	10 40	2 41	3 38	0 32	10 53	1 56	32 18	8 25	3 5	3 28	11 1		n.a.
S 25	22 8	11 41	3 44	17 20	0 57	18 10	1 21	23 31	0 36	11 19	1 0	10 41	2 41	3 39	0 32	10 53	1 56	32 18	8 25	3 1	3 26	11 0		n.a.
S 26	21 58	7 29	2 44	16 46	1 11	17 46	1 19	23 38	0 37	11 22	1 0	10 42	2 41	3 39	0 32	10 53	1 56	32 18	8 25	2 59	3 25	10 58		n.a.
M27	21 48	2 55	1 35	16 14	1 26	17 22	1 18	23 44	0 38	11 24	1 0	10 44	2 41	3 40	0 32	10 54	1 56	32 18	8 25	2 58	3 24	10 57		n.a.
T 28	21 38	1s43	0 20	15 42	1 41	16 58	1 17	23 49	0 38	11 26	1 1	10 45	2 42	3 40	0 32	10 54	1 56	32 19	8 26	2 57	3 23	10 55		n.a.
W29	21 27	6 7	0n53	15 13	1 55	16 33	1 15	23 55	0 39	11 28	1 1	10 46	2 42	3 41	0 32	10 55	1 56	32 19	8 26	2 57	3 21	10 53		n.a.
T 30	21 15	10 6	2 2	14 46	2 10	16 8	1 14	24 0	0 40	11 30	1 1	10 47	2 42	3 42	0 32	10 55	1 56	32 19	8 26	2 57	3 20	10 52		n.a.
F 31	21s 4	13s28	3n 2	14s22	2n24	15s42	1s12	24s 5	0s41	11s32	1n 1	10n48	2n42	3n42	0s32	10n56	1n56	32s19	8s26	2s57	3s19	10s50		n.a.

Julian Day Number = 1111090.5, Delta T = 10h52m20s
Ecliptic obliquity = 23°53'12, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'25, Lahiri = -27°00'24 Julian Calendar 1 Jan. 1671 BCE == Greg. Calendar 18 Dec. 1672 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

FEBRUARY 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 45 41	28♉26'13	26♏59	15♒24	22♒49	19♐34	2♏22	9°R 3	10♈25	6°R54	1♉ 6	7°R14	8♎ 9	22♒26	n.a.	S 1
S 2	7 49 37	29°25'49	9♐39	15°45	24° 3	20°20	2°28	9♍ 0	10°27	6♍52	1° 8	7♎ 8	8° 6	22°33	n.a.	S 2
M 3	7 53 34	0♒25'24	22° 7	15°56	25°16	21° 6	2°33	8°57	10°28	6°51	1°10	6°59	8° 3	22°40	n.a.	M 3
T 4	7 57 30	1°24'56	4♉25	16°R 0	26°30	21°53	2°39	8°54	10°30	6°50	1°11	6°48	8° 0	22°46	n.a.	T 4
W 5	8 1 27	2°24'27	16°34	15°55	27°43	22°39	2°44	8°51	10°32	6°49	1°13	6°36	7°56	22°53	n.a.	W 5
T 6	8 5 24	3°23'55	28°36	15°42	28°57	23°25	2°49	8°47	10°33	6°48	1°14	6°24	7°53	23° 0	n.a.	T 6
F 7	8 9 20	4°23'21	10♒33	15°22	0♓10	24°11	2°54	8°44	10°35	6°46	1°16	6°12	7°50	23° 6	n.a.	F 7
S 8	8 13 17	5°22'44	22°24	14°55	1°24	24°58	2°58	8°41	10°37	6°45	1°17	6° 2	7°47	23°13	n.a.	S 8
S 9	8 17 13	6°22'06	4♓13	14°22	2°37	25°44	3° 3	8°37	10°39	6°44	1°19	5°55	7°44	23°20	n.a.	S 9
M10	8 21 10	7°21'25	16° 1	13°43	3°50	26°30	3° 7	8°34	10°41	6°42	1°20	5°51	7°40	23°26	n.a.	M10
T 11	8 25 6	8°20'41	27°51	12°59	5° 4	27°17	3°12	8°30	10°43	6°41	1°22	5°48	7°37	23°33	n.a.	T 11
W12	8 29 3	9°19'56	9♈48	12°12	6°17	28° 3	3°16	8°27	10°45	6°39	1°23	5°D48	7°34	23°40	n.a.	W12
T 13	8 32 59	10°19'08	21°56	11°22	7°30	28°49	3°19	8°23	10°47	6°38	1°25	5°49	7°31	23°46	n.a.	T 13
F 14	8 36 56	11°18'17	4♉19	10°31	8°43	29°35	3°23	8°19	10°49	6°37	1°26	5°50	7°28	23°53	n.a.	F 14
S 15	8 40 52	12°17'24	17° 3	9°40	9°56	0♉22	3°27	8°16	10°51	6°35	1°28	5°R50	7°25	24° 0	n.a.	S 15
S 16	8 44 49	13°16'28	0♊11	8°48	11° 9	1° 8	3°30	8°12	10°53	6°34	1°29	5°48	7°21	24° 6	n.a.	S 16
M17	8 48 46	14°15'30	13°48	7°59	12°22	1°54	3°33	8° 8	10°56	6°32	1°31	5°45	7°18	24°13	n.a.	M17
T 18	8 52 42	15°14'30	27°55	7°12	13°35	2°40	3°36	8° 4	10°58	6°31	1°32	5°39	7°15	24°20	n.a.	T 18
W19	8 56 39	16°13'27	12♋29	6°28	14°48	3°27	3°39	8° 0	11° 0	6°29	1°33	5°33	7°12	24°26	n.a.	W19
T 20	9 0 35	17°12'22	27°27	5°48	16° 1	4°13	3°41	7°56	11° 3	6°28	1°35	5°25	7° 9	24°33	n.a.	T 20
F 21	9 4 32	18°11'14	12♌40	5°12	17°14	4°59	3°44	7°52	11° 5	6°26	1°36	5°18	7° 6	24°40	n.a.	F 21
S 22	9 8 28	19°10'04	27°57	4°41	18°26	5°45	3°46	7°48	11° 7	6°25	1°37	5°12	7° 2	24°47	n.a.	S 22
S 23	9 12 25	20° 8'52	13♍ 8	4°15	19°39	6°31	3°48	7°44	11°10	6°23	1°39	5° 8	6°59	24°53	n.a.	S 23
M24	9 16 21	21° 7'38	28° 4	3°55	20°52	7°18	3°50	7°40	11°12	6°22	1°40	5°D 7	6°56	25° 0	n.a.	M24
T 25	9 20 18	22° 6'22	12♎37	3°40	22° 4	8° 4	3°52	7°35	11°15	6°20	1°41	5° 7	6°53	25° 7	n.a.	T 25
W26	9 24 14	23° 5'05	26°45	3°30	23°16	8°50	3°53	7°31	11°17	6°18	1°42	5° 8	6°50	25°13	n.a.	W26
T 27	9 28 11	24° 3'45	10♏26	3°D26	24°29	9°36	3°55	7°27	11°20	6°17	1°44	5° 9	6°46	25°20	n.a.	T 27
F 28	9 32 8	25♒ 2'24	23♏42	3♒27	25♓41	10♉22	3♏56	7♍22	11♈23	6♍15	1♉45	5°R10	6♎43	25♒27	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s52	16s 5	3n52	14s 1	2n38	15s16	1s10	24s 9	0s42	11s34	1n 1	10n50	2n43	3n43	0s32	10n56	1n56	32s19	8s26	2s55	3s17	10s49		n.a.
S 2	20 39	17 53	4 29	13 42	2 50	14 50	1 9	24 14	0 42	11 36	1 1	10 51	2 43	3 43	0 32	10 57	1 56	32 19	8 26	2 53	3 16	10 47		n.a.
M 3	20 26	18 47	4 53	13 27	3 2	14 23	1 7	24 18	0 43	11 38	1 1	10 52	2 43	3 44	0 32	10 57	1 56	32 19	8 27	2 49	3 15	10 45		n.a.
T 4	20 13	18 47	5 2	13 16	3 13	13 56	1 5	24 22	0 44	11 40	1 1	10 54	2 43	3 45	0 32	10 58	1 56	32 20	8 27	2 45	3 14	10 44		n.a.
W 5	19 59	17 54	4 58	13 8	3 23	13 29	1 3	24 25	0 45	11 41	1 1	10 55	2 43	3 46	0 32	10 58	1 57	32 20	8 27	2 40	3 12	10 42		n.a.
T 6	19 45	16 15	4 41	13 4	3 32	13 1	1 1	24 29	0 45	11 43	1 1	10 57	2 44	3 46	0 32	10 59	1 57	32 20	8 27	2 35	3 11	10 41		n.a.
F 7	19 31	13 54	4 11	13 3	3 39	12 32	0 59	24 32	0 46	11 45	1 1	10 58	2 44	3 47	0 32	10 59	1 57	32 20	8 27	2 30	3 10	10 39		n.a.
S 8	19 17	11 0	3 30	13 6	3 44	12 4	0 57	24 34	0 47	11 46	1 2	10 59	2 44	3 48	0 32	11 0	1 57	32 20	8 27	2 27	3 9	10 37		n.a.
S 9	19 2	7 39	2 41	13 12	3 48	11 35	0 55	24 37	0 48	11 48	1 2	11 1	2 44	3 49	0 31	11 0	1 57	32 20	8 28	2 24	3 7	10 36		n.a.
M10	18 47	4 1	1 44	13 21	3 50	11 6	0 53	24 39	0 49	11 49	1 2	11 2	2 44	3 49	0 31	11 1	1 57	32 21	8 28	2 22	3 6	10 34		n.a.
T 11	18 31	0 13	0 43	13 33	3 50	10 37	0 51	24 41	0 49	11 50	1 2	11 4	2 45	3 50	0 31	11 2	1 57	32 21	8 28	2 21	3 5	10 33		n.a.
W12	18 15	3n38	0s22	13 48	3 48	10 7	0 48	24 42	0 50	11 52	1 2	11 6	2 45	3 51	0 31	11 2	1 57	32 21	8 28	2 21	3 3	10 31		n.a.
T 13	17 59	7 23	1 26	14 5	3 45	9 37	0 46	24 44	0 51	11 53	1 2	11 7	2 45	3 52	0 31	11 3	1 57	32 21	8 28	2 21	3 2	10 29		n.a.
F 14	17 43	10 53	2 27	14 25	3 39	9 7	0 44	24 45	0 52	11 54	1 2	11 9	2 45	3 53	0 31	11 3	1 57	32 21	8 29	2 21	3 1	10 28		n.a.
S 15	17 26	14 0	3 23	14 45	3 32	8 37	0 41	24 46	0 52	11 55	1 2	11 10	2 45	3 54	0 31	11 4	1 57	32 21	8 29	2 21	3 0	10 26		n.a.
S 16	17 9	16 29	4 11	15 7	3 24	8 7	0 39	24 46	0 53	11 56	1 2	11 12	2 45	3 55	0 31	11 4	1 57	32 22	8 29	2 21	2 58	10 24		n.a.
M17	16 52	18 10	4 46	15 30	3 14	7 36	0 36	24 46	0 54	11 57	1 2	11 14	2 46	3 55	0 31	11 5	1 57	32 22	8 29	2 19	2 57	10 23		n.a.
T 18	16 34	18 47	5 5	15 53	3 2	7 5	0 34	24 46	0 55	11 58	1 2	11 15	2 46	3 56	0 31	11 6	1 57	32 22	8 29	2 17	2 56	10 21		n.a.
W19	16 16	18 13	5 5	16 16	2 50	6 34	0 31	24 46	0 55	11 59	1 3	11 17	2 46	3 57	0 31	11 6	1 57	32 22	8 30	2 15	2 54	10 20		n.a.
T 20	15 58	16 24	4 45	16 39	2 36	6 3	0 28	24 45	0 56	12 0	1 3	11 18	2 46	3 58	0 31	11 7	1 57	32 22	8 30	2 11	2 53	10 18		n.a.
F 21	15 40	13 24	4 5	17 1	2 22	5 32	0 26	24 44	0 57	12 1	1 3	11 20	2 46	3 59	0 31	11 7	1 57	32 23	8 30	2 9	2 52	10 16		n.a.
S 22	15 21	9 29	3 7	17 23	2 8	5 0	0 23	24 43	0 58	12 1	1 3	11 22	2 46	4 0	0 31	11 8	1 57	32 23	8 30	2 6	2 51	10 15		n.a.
S 23	15 2	4 58	1 56	17 44	1 53	4 29	0 20	24 42	0 58	12 2	1 3	11 24	2 46	4 1	0 31	11 9	1 57	32 23	8 30	2 5	2 49	10 13		n.a.
M24	14 43	0 12	0 38	18 3	1 38	3 57	0 17	24 40	0 59	12 3	1 3	11 25	2 47	4 2	0 31	11 9	1 57	32 23	8 31	2 4	2 48	10 11		n.a.
T 25	14 24	4s27	0n41	18 22	1 23	3 25	0 14	24 38	1 0	12 3	1 3	11 27	2 47	4 3	0 31	11 10	1 57	32 23	8 31	2 4	2 47	10 10		n.a.
W26	14 5	8 43	1 55	18 39	1 7	2 54	0 11	24 36	1 1	12 4	1 3	11 29	2 47	4 4	0 31	11 10	1 57	32 24	8 31	2 4	2 46	10 8		n.a.
T 27	13 45	12 23	3 0	18 54	0 52	2 22	0 9	24 33	1 1	12 4	1 3	11 30	2 47	4 5	0 31	11 11	1 57	32 24	8 31	2 5	2 44	10 7		n.a.
F 28	13s25	15s17	3n53	19s 8	0n38	1s50	0s 6	24s30	1s 2	12s 4	1n 3	11n32	2n47	4n 7	0s31	11n12	1n57	32s24	8s32	2s 5	2s43	10s 5		n.a.

Julian Day Number = 1111121.5, Delta T = 10h52m18s
Ecliptic obliquity = 23°53'12, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'21, Lahiri = -27°00'20 Julian Calendar 1 Feb. 1671 BCE == Greg. Calendar 18 Jan. 1671 BCE

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

MARCH 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 36 4	26♒ 1'00	6♐36	3♒34	26♓53	11♑ 8	3♏57	7°R18	11♈25	6°R14	1♑46	5°R 9	6♎40	25♒33	n.a.	S 1
S 2	9 40 1	26°59'35	19°11	3°46	28° 6	11°55	3°57	7♍14	11°28	6♍12	1°47	5♎ 7	6°37	25°40	n.a.	S 2
M 3	9 43 57	27°58'08	1♑31	4° 2	29°18	12°41	3°58	7° 9	11°31	6°10	1°48	5° 3	6°34	25°47	n.a.	M 3
T 4	9 47 54	28°56'40	13°40	4°23	0♈30	13°27	3°58	7° 5	11°34	6° 9	1°49	4°58	6°31	25°53	n.a.	T 4
W 5	9 51 50	29°55'09	25°40	4°49	1°42	14°13	3°59	7° 0	11°36	6° 7	1°50	4°52	6°27	26° 0	n.a.	W 5
T 6	9 55 47	0♓53'37	7♒35	5°19	2°54	14°59	3°R59	6°56	11°39	6° 6	1°51	4°45	6°24	26° 7	n.a.	T 6
F 7	9 59 43	1°52'02	19°25	5°54	4° 6	15°45	3°58	6°51	11°42	6° 4	1°52	4°39	6°21	26°13	n.a.	F 7
S 8	10 3 40	2°50'26	1♓14	6°32	5°18	16°31	3°58	6°47	11°45	6° 2	1°53	4°34	6°18	26°20	n.a.	S 8
S 9	10 7 36	3°48'47	13° 3	7°14	6°29	17°17	3°58	6°43	11°48	6° 1	1°54	4°31	6°15	26°27	n.a.	S 9
M10	10 11 33	4°47'07	24°55	8° 0	7°41	18° 3	3°57	6°38	11°51	5°59	1°55	4°29	6°11	26°33	n.a.	M10
T 11	10 15 30	5°45'24	6♈51	8°49	8°53	18°49	3°56	6°33	11°54	5°57	1°56	4°D29	6° 8	26°40	n.a.	T 11
W12	10 19 26	6°43'40	18°54	9°41	10° 4	19°35	3°55	6°29	11°57	5°56	1°57	4°29	6° 5	26°47	n.a.	W12
T 13	10 23 23	7°41'53	1♉ 8	10°37	11°16	20°20	3°53	6°24	12° 0	5°54	1°58	4°31	6° 2	26°53	n.a.	T 13
F 14	10 27 19	8°40'04	13°35	11°35	12°27	21° 6	3°52	6°20	12° 3	5°53	1°59	4°33	5°59	27° 0	n.a.	F 14
S 15	10 31 16	9°38'13	26°21	12°37	13°38	21°52	3°50	6°15	12° 6	5°51	2° 0	4°34	5°56	27° 7	n.a.	S 15
S 16	10 35 12	10°36'20	9♊27	13°41	14°50	22°38	3°48	6°11	12° 9	5°49	2° 1	4°R35	5°52	27°13	n.a.	S 16
M17	10 39 9	11°34'25	22°57	14°48	16° 1	23°24	3°46	6° 7	12°12	5°48	2° 2	4°34	5°49	27°20	n.a.	M17
T 18	10 43 5	12°32'28	6♋53	15°57	17°12	24° 9	3°44	6° 2	12°15	5°46	2° 2	4°33	5°46	27°27	n.a.	T 18
W19	10 47 2	13°30'28	21°15	17° 9	18°23	24°55	3°42	5°58	12°18	5°44	2° 3	4°31	5°43	27°33	n.a.	W19
T 20	10 50 58	14°28'27	5♌59	18°23	19°34	25°41	3°39	5°53	12°22	5°43	2° 4	4°28	5°40	27°40	n.a.	T 20
F 21	10 54 55	15°26'23	21° 0	19°40	20°45	26°26	3°36	5°49	12°25	5°41	2° 5	4°26	5°37	27°47	n.a.	F 21
S 22	10 58 52	16°24'18	6♍10	20°59	21°55	27°12	3°34	5°44	12°28	5°40	2° 5	4°24	5°33	27°54	n.a.	S 22
S 23	11 2 48	17°22'11	21°20	22°20	23° 6	27°58	3°30	5°40	12°31	5°38	2° 6	4°22	5°30	28° 0	n.a.	S 23
M24	11 6 45	18°20'02	6♎19	23°44	24°17	28°43	3°27	5°36	12°34	5°36	2° 7	4°D22	5°27	28° 7	n.a.	M24
T 25	11 10 41	19°17'51	21° 0	25° 9	25°27	29°29	3°24	5°31	12°38	5°35	2° 7	4°23	5°24	28°14	n.a.	T 25
W26	11 14 38	20°15'39	5♏17	26°37	26°37	0♒14	3°20	5°27	12°41	5°33	2° 8	4°23	5°21	28°20	n.a.	W26
T 27	11 18 34	21°13'26	19° 8	28° 7	27°48	0°59	3°16	5°23	12°44	5°32	2° 8	4°25	5°17	28°27	n.a.	T 27
F 28	11 22 31	22°11'11	2♐33	29°39	28°58	1°45	3°12	5°19	12°48	5°30	2° 9	4°25	5°14	28°34	n.a.	F 28
S 29	11 26 27	23° 8'55	15°32	1♓13	0♑ 8	2°30	3° 8	5°14	12°51	5°29	2° 9	4°26	5°11	28°40	n.a.	S 29
S 30	11 30 24	24° 6'38	28°10	2°49	1°18	3°16	3° 4	5°10	12°54	5°27	2°10	4°R26	5° 8	28°47	n.a.	S 30
M31	11 34 21	25♓ 4'19	10♑30	4♓27	2♑28	4♒ 1	3♏ 0	5♍ 6	12♈58	5♍26	2♑10	4♎26	5♎ 5	28♒54	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s 5	17s20	4n33	19s20	0n23	1s18	0s 3	24s27	1s 3	12s 5	1n 3	11n34	2n47	4n 8	0s31	11n12	1n57	32s24	8s32	2s 5	2s42	10s 3		n.a.
S 2	12 45	18 28	4 59	19 31	0 9	0 46	0n 0	24 24	1 3	12 5	1 4	11 36	2 47	4 9	0 31	11 13	1 57	32 25	8 32	2 4	2 40	10 2		n.a.
M 3	12 24	18 42	5 10	19 40	0s 4	0 14	0 3	24 20	1 4	12 5	1 4	11 37	2 47	4 10	0 31	11 14	1 57	32 25	8 32	2 3	2 39	10 0		n.a.
T 4	12 3	18 4	5 7	19 48	0 17	0n18	0 7	24 16	1 5	12 5	1 4	11 39	2 47	4 11	0 31	11 14	1 57	32 25	8 33	2 0	2 38	9 58		n.a.
W 5	11 43	16 39	4 51	19 54	0 30	0 50	0 10	24 12	1 6	12 5	1 4	11 41	2 47	4 12	0 31	11 15	1 57	32 25	8 33	1 58	2 37	9 57		n.a.
T 6	11 22	14 30	4 22	19 58	0 42	1 22	0 13	24 7	1 6	12 5	1 4	11 43	2 47	4 13	0 31	11 15	1 57	32 26	8 33	1 55	2 35	9 55		n.a.
F 7	11 0	11 46	3 42	20 0	0 53	1 54	0 16	24 3	1 7	12 5	1 4	11 44	2 48	4 14	0 31	11 16	1 57	32 26	8 33	1 53	2 34	9 53		n.a.
S 8	10 39	8 34	2 52	20 1	1 4	2 26	0 19	23 58	1 8	12 4	1 4	11 46	2 48	4 16	0 31	11 17	1 57	32 26	8 34	1 51	2 33	9 52		n.a.
S 9	10 18	5 1	1 55	20 0	1 14	2 58	0 22	23 52	1 8	12 4	1 4	11 48	2 48	4 17	0 31	11 17	1 57	32 26	8 34	1 50	2 31	9 50		n.a.
M10	9 56	1 16	0 52	19 58	1 24	3 29	0 25	23 47	1 9	12 4	1 4	11 50	2 48	4 18	0 31	11 18	1 57	32 26	8 34	1 49	2 30	9 49		n.a.
T 11	9 34	2n34	0s13	19 53	1 33	4 1	0 28	23 41	1 10	12 4	1 4	11 51	2 48	4 19	0 31	11 19	1 57	32 27	8 34	1 49	2 29	9 47		n.a.
W12	9 12	6 20	1 18	19 47	1 41	4 33	0 32	23 35	1 10	12 3	1 4	11 53	2 48	4 20	0 31	11 19	1 57	32 27	8 35	1 49	2 28	9 45		n.a.
T 13	8 50	9 53	2 21	19 39	1 49	5 4	0 35	23 29	1 11	12 3	1 4	11 55	2 48	4 22	0 31	11 20	1 57	32 27	8 35	1 50	2 26	9 44		n.a.
F 14	8 28	13 3	3 19	19 30	1 56	5 35	0 38	23 22	1 12	12 2	1 4	11 57	2 48	4 23	0 31	11 20	1 57	32 27	8 35	1 50	2 25	9 42		n.a.
S 15	8 6	15 41	4 8	19 18	2 3	6 7	0 41	23 16	1 12	12 1	1 5	11 58	2 48	4 24	0 31	11 21	1 57	32 28	8 35	1 51	2 24	9 40		n.a.
S 16	7 44	17 35	4 46	19 5	2 9	6 38	0 44	23 9	1 13	12 1	1 5	12 0	2 48	4 25	0 31	11 22	1 57	32 28	8 36	1 51	2 22	9 39		n.a.
M17	7 21	18 33	5 9	18 50	2 14	7 9	0 48	23 2	1 14	12 0	1 5	12 2	2 48	4 27	0 31	11 22	1 57	32 28	8 36	1 51	2 21	9 37		n.a.
T 18	6 59	18 28	5 15	18 34	2 19	7 39	0 51	22 54	1 14	11 59	1 5	12 3	2 48	4 28	0 31	11 23	1 57	32 28	8 36	1 50	2 20	9 35		n.a.
W19	6 36	17 12	5 2	18 15	2 23	8 10	0 54	22 46	1 15	11 58	1 5	12 5	2 48	4 29	0 31	11 23	1 57	32 29	8 37	1 49	2 19	9 34		n.a.
T 20	6 13	14 47	4 29	17 55	2 27	8 40	0 57	22 38	1 16	11 57	1 5	12 7	2 48	4 30	0 30	11 24	1 57	32 29	8 37	1 48	2 17	9 32		n.a.
F 21	5 51	11 20	3 37	17 34	2 30	9 10	1 0	22 30	1 16	11 56	1 5	12 8	2 48	4 32	0 30	11 25	1 57	32 29	8 37	1 47	2 16	9 30		n.a.
S 22	5 28	7 6	2 30	17 10	2 32	9 40	1 3	22 22	1 17	11 55	1 5	12 10	2 48	4 33	0 30	11 25	1 57	32 30	8 37	1 47	2 15	9 29		n.a.
S 23	5 5	2 25	1 12	16 45	2 34	10 10	1 6	22 13	1 17	11 54	1 5	12 12	2 48	4 34	0 30	11 26	1 57	32 30	8 38	1 46	2 14	9 27		n.a.
M24	4 42	2s23	0n11	16 18	2 35	10 40	1 10	22 4	1 18	11 53	1 5	12 13	2 48	4 36	0 30	11 26	1 57	32 30	8 38	1 46	2 12	9 25		n.a.
T 25	4 19	6 57	1 31	15 49	2 36	11 9	1 13	21 55	1 19	11 52	1 5	12 15	2 48	4 37	0 30	11 27	1 57	32 30	8 38	1 46	2 11	9 24		n.a.
W26	3 56	10 58	2 43	15 18	2 36	11 38	1 16	21 46	1 19	11 50	1 5	12 16	2 48	4 38	0 30	11 28	1 57	32 31	8 39	1 47	2 10	9 22		n.a.
T 27	3 33	14 15	3 43	14 46	2 35	12 6	1 19	21 36	1 20	11 49	1 5	12 18	2 47	4 39	0 30	11 28	1 57	32 31	8 39	1 47	2 8	9 20		n.a.
F 28	3 9	16 39	4 29	14 12	2 34	12 35	1 22	21 27	1 20	11 48	1 5	12 20	2 47	4 41	0 30	11 29	1 57	32 31	8 39	1 47	2 7	9 19		n.a.
S 29	2 46	18 7	5 0	13 36	2 32	13 3	1 25	21 17	1 21	11 46	1 5	12 21	2 47	4 42	0 30	11 29	1 57	32 31	8 39	1 48	2 6	9 17		n.a.
S 30	2 23	18 37	5 15	12 59	2 30	13 31	1 28	21 7	1 22	11 45	1 5	12 23	2 47	4 43	0 30	11 30	1 57	32 32	8 40	1 48	2 5	9 15		n.a.
M31	2s 0	18s13	5n15	12s20	2s27	13n58	1n31	20s56	1s22	11s43	1n 5	12n24	2n47	4n45	0s30	11n30	1n57	32s32	8s40	1s48	2s 3	9s14		n.a.

Julian Day Number = 1111149.5, Delta T = 10h52m16s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'17, Lahiri = -27°00'16 Julian Calendar 1 March 1671 BCE == Greg. Calendar 15 Feb. 1671 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

APRIL 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 38 17	26♓ 2'00	22♑36	6♓ 7	3♉38	4♒46	2°R55	5°R 2	13♈ 1	5°R24	2♑11	4°R25	5♎ 2	29♒ 0	n.a.	T 1
W 2	11 42 14	26°59'39	4♒32	7°49	4°48	5°31	2♏50	4♍58	13° 4	5♍23	2°11	4♎24	4°58	29° 7	n.a.	W 2
T 3	11 46 10	27°57'16	16°23	9°33	5°57	6°16	2°45	4°54	13° 8	5°21	2°12	4°23	4°55	29°14	n.a.	T 3
F 4	11 50 7	28°54'53	28°11	11°19	7° 7	7° 2	2°40	4°50	13°11	5°20	2°12	4°22	4°52	29°20	n.a.	F 4
S 5	11 54 3	29°52'28	10♓ 0	13° 7	8°16	7°47	2°35	4°46	13°15	5°18	2°12	4°22	4°49	29°27	n.a.	S 5
S 6	11 58 0	0♈50'02	21°53	14°58	9°25	8°32	2°30	4°42	13°18	5°17	2°13	4°21	4°46	29°34	n.a.	S 6
M 7	12 1 56	1°47'34	3♈51	16°50	10°35	9°17	2°24	4°39	13°22	5°15	2°13	4°D21	4°42	29°40	n.a.	M 7
T 8	12 5 53	2°45'05	15°57	18°44	11°44	10° 2	2°18	4°35	13°25	5°14	2°13	4°21	4°39	29°47	n.a.	T 8
W 9	12 9 49	3°42'35	28°13	20°41	12°53	10°46	2°13	4°31	13°29	5°12	2°14	4°21	4°36	29°54	n.a.	W 9
T 10	12 13 46	4°40'03	10♉40	22°39	14° 2	11°31	2° 7	4°28	13°32	5°11	2°14	4°R22	4°33	0♓ 0	n.a.	T 10
F 11	12 17 43	5°37'31	23°21	24°39	15°10	12°16	2° 1	4°24	13°36	5°10	2°14	4°21	4°30	0° 7	n.a.	F 11
S 12	12 21 39	6°34'56	6♊16	26°41	16°19	13° 1	1°55	4°21	13°39	5° 8	2°14	4°21	4°27	0°14	n.a.	S 12
S 13	12 25 36	7°32'21	19°28	28°44	17°28	13°45	1°48	4°17	13°42	5° 7	2°14	4°21	4°23	0°20	n.a.	S 13
M14	12 29 32	8°29'44	2♋59	0♈50	18°36	14°30	1°42	4°14	13°46	5° 6	2°14	4°D21	4°20	0°27	n.a.	M14
T 15	12 33 29	9°27'05	16°49	2°56	19°44	15°15	1°36	4°11	13°49	5° 4	2°14	4°21	4°17	0°34	n.a.	T 15
W16	12 37 25	10°24'25	0♌58	5° 4	20°52	15°59	1°29	4° 7	13°53	5° 3	2°14	4°21	4°14	0°40	n.a.	W16
T 17	12 41 22	11°21'44	15°24	7°14	22° 0	16°44	1°22	4° 4	13°56	5° 2	2°14	4°22	4°11	0°47	n.a.	T 17
F 18	12 45 18	12°19'01	0♍ 5	9°24	23° 8	17°28	1°16	4° 1	14° 0	5° 1	2°R14	4°22	4° 8	0°54	n.a.	F 18
S 19	12 49 15	13°16'18	14°55	11°35	24°16	18°12	1° 9	3°58	14° 4	4°59	2°14	4°23	4° 4	1° 0	n.a.	S 19
S 20	12 53 12	14°13'33	29°47	13°46	25°24	18°56	1° 2	3°55	14° 7	4°58	2°14	4°R23	4° 1	1° 7	n.a.	S 20
M21	12 57 8	15°10'47	14♎34	15°58	26°31	19°41	0°55	3°52	14°11	4°57	2°14	4°23	3°58	1°14	n.a.	M21
T 22	13 1 5	16° 8'00	29° 8	18° 9	27°38	20°25	0°48	3°50	14°14	4°56	2°14	4°22	3°55	1°20	n.a.	T 22
W23	13 5 1	17° 5'12	13♏25	20°20	28°45	21° 9	0°41	3°47	14°18	4°55	2°14	4°21	3°52	1°27	n.a.	W23
T 24	13 8 58	18° 2'24	27°19	22°31	29°52	21°53	0°33	3°44	14°21	4°54	2°14	4°20	3°48	1°34	n.a.	T 24
F 25	13 12 54	18°59'35	10♐48	24°41	0♊59	22°37	0°26	3°42	14°25	4°53	2°14	4°18	3°45	1°40	n.a.	F 25
S 26	13 16 51	19°56'46	23°52	26°49	2° 6	23°21	0°19	3°39	14°28	4°52	2°14	4°16	3°42	1°47	n.a.	S 26
S 27	13 20 47	20°53'56	6♑34	28°57	3°12	24° 5	0°11	3°37	14°32	4°51	2°13	4°15	3°39	1°54	n.a.	S 27
M28	13 24 44	21°51'05	18°56	1♉ 2	4°19	24°49	0° 4	3°35	14°35	4°50	2°13	4°D14	3°36	2° 0	n.a.	M28
T 29	13 28 41	22°48'15	1♒ 3	3° 7	5°25	25°32	29♎56	3°33	14°39	4°49	2°13	4°14	3°33	2° 7	n.a.	T 29
W30	13 32 37	23♈45'24	12♒59	5♉ 9	6♊31	26♒16	29♎49	3♍31	14♈42	4♍48	2♑12	4♎15	3♎29	2♓14	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s36	17s 0	5n 1	11s39	2s23	14n25	1n34	20s46	1s23	11s41	1n 5	12n25	2n47	4n46	0s30	11n31	1n57	32s32	8s40	1s47	2s 2	9s12		n.a.
W 2	1 13	15 3	4 35	10 56	2 19	14 52	1 36	20 35	1 23	11 40	1 5	12 27	2 47	4 48	0 30	11 32	1 57	32 33	8 41	1 47	2 1	9 10		n.a.
T 3	0 50	12 28	3 56	10 12	2 15	15 19	1 39	20 24	1 24	11 38	1 5	12 28	2 47	4 49	0 30	11 32	1 57	32 33	8 41	1 46	1 59	9 9		n.a.
F 4	0 26	9 24	3 8	9 26	2 9	15 45	1 42	20 13	1 24	11 36	1 5	12 30	2 47	4 50	0 30	11 33	1 57	32 33	8 41	1 46	1 58	9 7		n.a.
S 5	0 3	5 56	2 11	8 39	2 4	16 10	1 45	20 2	1 25	11 34	1 5	12 31	2 47	4 52	0 30	11 33	1 57	32 33	8 41	1 46	1 57	9 5		n.a.
S 6	0n20	2 14	1 9	7 50	1 57	16 36	1 47	19 50	1 25	11 33	1 5	12 32	2 47	4 53	0 30	11 34	1 57	32 34	8 42	1 46	1 56	9 4		n.a.
M 7	0 44	1n36	0 3	6 59	1 51	17 1	1 50	19 39	1 26	11 31	1 5	12 34	2 47	4 54	0 30	11 34	1 57	32 34	8 42	1 46	1 54	9 2		n.a.
T 8	1 7	5 25	1s 4	6 7	1 43	17 25	1 53	19 27	1 26	11 29	1 5	12 35	2 46	4 56	0 30	11 35	1 57	32 34	8 42	1 46	1 53	9 0		n.a.
W 9	1 30	9 2	2 9	5 13	1 35	17 49	1 55	19 15	1 27	11 27	1 5	12 36	2 46	4 57	0 30	11 35	1 57	32 35	8 43	1 46	1 52	8 59		n.a.
T 10	1 53	12 19	3 8	4 18	1 27	18 13	1 58	19 3	1 27	11 25	1 5	12 37	2 46	4 59	0 30	11 36	1 57	32 35	8 43	1 46	1 50	8 57		n.a.
F 11	2 16	15 5	4 0	3 22	1 19	18 36	2 0	18 50	1 28	11 23	1 5	12 39	2 46	5 0	0 30	11 36	1 57	32 35	8 43	1 46	1 49	8 55		n.a.
S 12	2 40	17 9	4 40	2 24	1 9	18 59	2 2	18 38	1 28	11 20	1 5	12 40	2 46	5 1	0 30	11 37	1 57	32 35	8 43	1 46	1 48	8 54		n.a.
S 13	3 3	18 22	5 7	1 25	1 0	19 21	2 5	18 25	1 29	11 18	1 5	12 41	2 46	5 3	0 30	11 37	1 57	32 36	8 44	1 46	1 47	8 52		n.a.
M14	3 26	18 34	5 18	0 26	0 50	19 43	2 7	18 13	1 29	11 16	1 5	12 42	2 46	5 4	0 30	11 38	1 57	32 36	8 44	1 46	1 45	8 50		n.a.
T 15	3 49	17 41	5 10	0n35	0 40	20 4	2 9	18 0	1 30	11 14	1 5	12 43	2 46	5 5	0 30	11 38	1 57	32 36	8 44	1 46	1 44	8 48		n.a.
W16	4 12	15 42	4 44	1 36	0 30	20 25	2 11	17 46	1 30	11 12	1 5	12 44	2 45	5 7	0 30	11 39	1 57	32 37	8 45	1 46	1 43	8 47		n.a.
T 17	4 35	12 42	4 0	2 37	0 19	20 45	2 13	17 33	1 31	11 9	1 5	12 45	2 45	5 8	0 30	11 39	1 57	32 37	8 45	1 46	1 41	8 45		n.a.
F 18	4 57	8 52	2 59	3 39	0 9	21 5	2 15	17 20	1 31	11 7	1 5	12 46	2 45	5 10	0 30	11 39	1 57	32 37	8 45	1 46	1 40	8 43		n.a.
S 19	5 20	4 26	1 46	4 41	0n 2	21 24	2 17	17 6	1 32	11 5	1 5	12 47	2 45	5 11	0 30	11 40	1 57	32 38	8 46	1 46	1 39	8 42		n.a.
S 20	5 43	0s18	0 26	5 43	0 12	21 43	2 19	16 53	1 32	11 2	1 5	12 48	2 45	5 12	0 30	11 40	1 57	32 38	8 46	1 47	1 38	8 40		n.a.
M21	6 5	4 59	0n56	6 44	0 23	22 1	2 21	16 39	1 32	11 0	1 5	12 49	2 45	5 14	0 30	11 41	1 57	32 38	8 46	1 46	1 36	8 38		n.a.
T 22	6 28	9 18	2 13	7 45	0 33	22 18	2 22	16 25	1 33	10 57	1 5	12 50	2 44	5 15	0 30	11 41	1 57	32 38	8 46	1 46	1 35	8 37		n.a.
W23	6 50	12 59	3 20	8 45	0 43	22 35	2 24	16 11	1 33	10 55	1 5	12 51	2 44	5 17	0 30	11 41	1 57	32 39	8 47	1 46	1 34	8 35		n.a.
T 24	7 12	15 49	4 13	9 44	0 53	22 52	2 25	15 57	1 34	10 52	1 5	12 52	2 44	5 18	0 30	11 42	1 57	32 39	8 47	1 45	1 32	8 33		n.a.
F 25	7 34	17 42	4 50	10 41	1 2	23 8	2 27	15 43	1 34	10 50	1 5	12 52	2 44	5 19	0 30	11 42	1 57	32 39	8 47	1 44	1 31	8 32		n.a.
S 26	7 56	18 34	5 11	11 37	1 11	23 23	2 28	15 28	1 34	10 47	1 5	12 53	2 44	5 21	0 30	11 42	1 57	32 40	8 48	1 44	1 30	8 30		n.a.
S 27	8 18	18 27	5 16	12 32	1 19	23 38	2 29	15 14	1 35	10 45	1 4	12 54	2 43	5 22	0 30	11 43	1 57	32 40	8 48	1 43	1 29	8 28		n.a.
M28	8 40	17 28	5 6	13 24	1 27	23 52	2 30	14 59	1 35	10 42	1 4	12 54	2 43	5 24	0 30	11 43	1 57	32 40	8 48	1 43	1 27	8 26		n.a.
T 29	9 2	15 42	4 43	14 15	1 34	24 5	2 31	14 44	1 36	10 40	1 4	12 55	2 43	5 25	0 30	11 43	1 56	32 40	8 48	1 43	1 26	8 25		n.a.
W30	9n23	13s17	4n 7	15n 3	1n41	24n18	2n32	14s30	1s36	10s37	1n 4	12n56	2n43	5n26	0s30	11n44	1n56	32s41	8s49	1s43	1s25	8s23		n.a.

Julian Day Number = 1111180.5, Delta T = 10h52m14s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'13, Lahiri = -27°00'12 Julian Calendar 1 Apr. 1671 BCE == Greg. Calendar 18 March 1671 BCE

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

MAY 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 36 34	24♈42'32	24♒49	7♉ 9	7♊37	27♒ 0	29°R41	3°R29	14♈45	4°R47	2°R12	4♎17	3♎26	2♓20	n.a.	T 1
F 2	13 40 30	25°39'40	6♓38	9° 8	8°42	27°43	29♎34	3♍27	14°49	4♍46	2♑12	4°18	3°23	2°27	n.a.	F 2
S 3	13 44 27	26°36'48	18°29	11° 4	9°48	28°27	29°26	3°25	14°52	4°45	2°11	4°20	3°20	2°34	n.a.	S 3
S 4	13 48 23	27°33'55	0♈27	12°58	10°53	29°10	29°18	3°23	14°56	4°44	2°11	4°R21	3°17	2°40	n.a.	S 4
M 5	13 52 20	28°31'02	12°34	14°49	11°58	29°53	29°11	3°21	14°59	4°43	2°11	4°20	3°13	2°47	n.a.	M 5
T 6	13 56 16	29°28'09	24°53	16°39	13° 3	0♓37	29° 3	3°20	15° 3	4°43	2°10	4°19	3°10	2°54	n.a.	T 6
W 7	14 0 13	0♉25'15	7♉25	18°26	14° 8	1°20	28°55	3°18	15° 6	4°42	2°10	4°16	3° 7	3° 0	n.a.	W 7
T 8	14 4 10	1°22'21	20°12	20°11	15°12	2° 3	28°48	3°17	15°10	4°41	2° 9	4°13	3° 4	3° 7	n.a.	T 8
F 9	14 8 6	2°19'27	3♊12	21°53	16°17	2°46	28°40	3°16	15°13	4°40	2° 9	4° 8	3° 1	3°14	n.a.	F 9
S 10	14 12 3	3°16'32	16°26	23°33	17°21	3°29	28°32	3°14	15°16	4°40	2° 8	4° 4	2°58	3°20	n.a.	S 10
S 11	14 15 59	4°13'37	29°54	25°11	18°25	4°12	28°25	3°13	15°20	4°39	2° 8	4° 0	2°54	3°27	n.a.	S 11
M12	14 19 56	5°10'41	13♋35	26°46	19°28	4°54	28°17	3°12	15°23	4°38	2° 7	3°57	2°51	3°34	n.a.	M12
T 13	14 23 52	6° 7'45	27°27	28°19	20°31	5°37	28°10	3°11	15°26	4°38	2° 6	3°56	2°48	3°40	n.a.	T 13
W14	14 27 49	7° 4'49	11♌31	29°49	21°35	6°20	28° 2	3°11	15°30	4°37	2° 6	3°D56	2°45	3°47	n.a.	W14
T 15	14 31 46	8° 1'51	25°44	1♊17	22°37	7° 2	27°55	3°10	15°33	4°37	2° 5	3°56	2°42	3°54	n.a.	T 15
F 16	14 35 42	8°58'54	10♍ 5	2°43	23°40	7°45	27°47	3° 9	15°36	4°36	2° 4	3°58	2°39	4° 0	n.a.	F 16
S 17	14 39 39	9°55'56	24°30	4° 6	24°42	8°27	27°40	3° 9	15°40	4°36	2° 4	3°59	2°35	4° 7	n.a.	S 17
S 18	14 43 35	10°52'58	8♎58	5°27	25°44	9° 9	27°33	3° 8	15°43	4°35	2° 3	3°R59	2°32	4°14	n.a.	S 18
M19	14 47 32	11°49'59	23°22	6°45	26°46	9°52	27°26	3° 8	15°46	4°35	2° 2	3°58	2°29	4°20	n.a.	M19
T 20	14 51 28	12°47'01	7♏38	8° 0	27°47	10°34	27°18	3° 8	15°49	4°35	2° 1	3°55	2°26	4°27	n.a.	T 20
W21	14 55 25	13°44'03	21°41	9°13	28°48	11°16	27°11	3° 8	15°53	4°34	2° 1	3°50	2°23	4°34	n.a.	W21
T 22	14 59 21	14°41'05	5♐26	10°23	29°49	11°58	27° 4	3°D 7	15°56	4°34	2° 0	3°44	2°19	4°40	n.a.	T 22
F 23	15 3 18	15°38'07	18°51	11°30	0♋50	12°40	26°57	3° 7	15°59	4°34	1°59	3°37	2°16	4°47	n.a.	F 23
S 24	15 7 15	16°35'10	1♑54	12°34	1°50	13°21	26°51	3° 8	16° 2	4°33	1°58	3°30	2°13	4°54	n.a.	S 24
S 25	15 11 11	17°32'13	14°36	13°35	2°50	14° 3	26°44	3° 8	16° 5	4°33	1°57	3°25	2°10	5° 0	n.a.	S 25
M26	15 15 8	18°29'16	26°59	14°33	3°49	14°45	26°37	3° 8	16° 8	4°33	1°57	3°21	2° 7	5° 7	n.a.	M26
T 27	15 19 4	19°26'20	9♒ 7	15°28	4°48	15°26	26°31	3° 9	16°11	4°33	1°56	3°18	2° 4	5°14	n.a.	T 27
W28	15 23 1	20°23'25	21° 3	16°20	5°47	16° 8	26°24	3° 9	16°14	4°33	1°55	3°D18	2° 0	5°20	n.a.	W28
T 29	15 26 57	21°20'30	2♓53	17° 8	6°45	16°49	26°18	3°10	16°18	4°32	1°54	3°18	1°57	5°27	n.a.	T 29
F 30	15 30 54	22°17'35	14°43	17°53	7°43	17°30	26°12	3°10	16°21	4°32	1°53	3°20	1°54	5°34	n.a.	F 30
S 31	15 34 51	23♉14'42	26♓37	18♊34	8♋41	18♓11	26♎ 6	3♍11	16♈23	4♍32	1♑52	3♎21	1♎51	5♓40	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9n45	10s20	3n21	15n50	1n47	24n30	2n33	14s15	1s36	10s34	1n 4	12n56	2n43	5n28	0s30	11n44	1n56	32s41	8s49	1s44	1s23	8s21			n.a.
F 2	10 6	6 58	2 27	16 34	1 52	24 42	2 34	14 0	1 37	10 32	1 4	12 57	2 42	5 29	0 30	11 44	1 56	32 41	8 49	1 45	1 22	8 20			n.a.
S 3	10 27	3 19	1 26	17 16	1 57	24 52	2 34	13 45	1 37	10 29	1 4	12 57	2 42	5 30	0 30	11 45	1 56	32 42	8 50	1 45	1 21	8 18			n.a.
S 4	10 48	0n31	0 21	17 56	2 1	25 3	2 35	13 29	1 37	10 26	1 4	12 58	2 42	5 32	0 30	11 45	1 56	32 42	8 50	1 45	1 20	8 16			n.a.
M 5	11 9	4 22	0s45	18 33	2 4	25 12	2 35	13 14	1 37	10 24	1 4	12 58	2 42	5 33	0 30	11 45	1 56	32 42	8 50	1 45	1 18	8 14			n.a.
T 6	11 29	8 6	1 51	19 8	2 7	25 21	2 35	12 59	1 38	10 21	1 3	12 59	2 42	5 34	0 30	11 45	1 56	32 42	8 50	1 45	1 17	8 13			n.a.
W 7	11 50	11 32	2 52	19 41	2 8	25 30	2 35	12 44	1 38	10 19	1 3	12 59	2 41	5 36	0 30	11 46	1 56	32 43	8 51	1 44	1 16	8 11			n.a.
T 8	12 10	14 30	3 46	20 12	2 10	25 37	2 35	12 28	1 38	10 16	1 3	12 59	2 41	5 37	0 30	11 46	1 56	32 43	8 51	1 42	1 14	8 9			n.a.
F 9	12 30	16 48	4 29	20 40	2 10	25 44	2 35	12 13	1 39	10 13	1 3	12 59	2 41	5 38	0 30	11 46	1 56	32 43	8 51	1 41	1 13	8 8			n.a.
S 10	12 50	18 14	4 58	21 6	2 10	25 51	2 35	11 57	1 39	10 11	1 3	13 0	2 41	5 40	0 30	11 46	1 56	32 44	8 51	1 39	1 12	8 6			n.a.
S 11	13 10	18 41	5 12	21 30	2 9	25 56	2 35	11 41	1 39	10 8	1 3	13 0	2 41	5 41	0 30	11 47	1 56	32 44	8 52	1 37	1 11	8 4			n.a.
M12	13 29	18 4	5 9	21 52	2 8	26 1	2 34	11 26	1 39	10 5	1 3	13 0	2 40	5 42	0 30	11 47	1 56	32 44	8 52	1 36	1 9	8 2			n.a.
T 13	13 49	16 22	4 47	22 11	2 5	26 5	2 33	11 10	1 40	10 3	1 2	13 0	2 40	5 44	0 30	11 47	1 56	32 44	8 52	1 35	1 8	8 1			n.a.
W14	14 8	13 41	4 8	22 29	2 3	26 9	2 33	10 54	1 40	10 0	1 2	13 0	2 40	5 45	0 30	11 47	1 56	32 45	8 53	1 35	1 7	7 59			n.a.
T 15	14 27	10 9	3 14	22 45	1 59	26 12	2 32	10 38	1 40	9 58	1 2	13 0	2 40	5 46	0 30	11 47	1 56	32 45	8 53	1 36	1 5	7 57			n.a.
F 16	14 45	5 59	2 7	22 58	1 55	26 15	2 31	10 22	1 40	9 55	1 2	13 0	2 39	5 48	0 30	11 47	1 56	32 45	8 53	1 36	1 4	7 56			n.a.
S 17	15 4	1 26	0 52	23 10	1 50	26 16	2 30	10 6	1 41	9 53	1 2	13 0	2 39	5 49	0 30	11 48	1 56	32 45	8 53	1 37	1 3	7 54			n.a.
S 18	15 22	3s12	0n27	23 20	1 45	26 17	2 28	9 50	1 41	9 50	1 2	13 0	2 39	5 50	0 30	11 48	1 56	32 46	8 54	1 37	1 2	7 52			n.a.
M19	15 40	7 38	1 44	23 28	1 39	26 18	2 27	9 34	1 41	9 48	1 1	13 0	2 39	5 51	0 30	11 48	1 55	32 46	8 54	1 36	1 0	7 50			n.a.
T 20	15 58	11 36	2 53	23 34	1 32	26 17	2 25	9 18	1 41	9 45	1 1	13 0	2 39	5 53	0 30	11 48	1 55	32 46	8 54	1 35	0 59	7 49			n.a.
W21	16 15	14 49	3 50	23 39	1 25	26 16	2 24	9 2	1 41	9 43	1 1	13 0	2 38	5 54	0 30	11 48	1 55	32 46	8 54	1 33	0 58	7 47			n.a.
T 22	16 33	17 8	4 33	23 42	1 17	26 15	2 22	8 46	1 41	9 41	1 1	13 0	2 38	5 55	0 30	11 48	1 55	32 47	8 55	1 31	0 56	7 45			n.a.
F 23	16 50	18 26	4 59	23 43	1 9	26 13	2 20	8 29	1 42	9 38	1 1	13 0	2 38	5 56	0 30	11 48	1 55	32 47	8 55	1 28	0 55	7 43			n.a.
S 24	17 6	18 43	5 9	23 43	1 0	26 10	2 17	8 13	1 42	9 36	1 0	12 59	2 38	5 58	0 30	11 48	1 55	32 47	8 55	1 25	0 54	7 42			n.a.
S 25	17 23	18 2	5 4	23 42	0 51	26 6	2 15	7 57	1 42	9 34	1 0	12 59	2 37	5 59	0 30	11 48	1 55	32 47	8 55	1 23	0 53	7 40			n.a.
M26	17 39	16 31	4 44	23 39	0 41	26 2	2 13	7 41	1 42	9 31	1 0	12 59	2 37	6 0	0 30	11 48	1 55	32 48	8 55	1 21	0 51	7 38			n.a.
T 27	17 55	14 16	4 11	23 35	0 30	25 58	2 10	7 25	1 42	9 29	1 0	12 58	2 37	6 1	0 30	11 48	1 55	32 48	8 56	1 20	0 50	7 37			n.a.
W28	18 11	11 27	3 29	23 29	0 19	25 52	2 7	7 8	1 42	9 27	1 0	12 58	2 37	6 2	0 30	11 48	1 55	32 48	8 56	1 20	0 49	7 35			n.a.
T 29	18 26	8 12	2 37	23 23	0 8	25 47	2 4	6 52	1 42	9 25	0 59	12 57	2 36	6 4	0 30	11 48	1 55	32 48	8 56	1 20	0 47	7 33			n.a.
F 30	18 41	4 37	1 39	23 15	0s 4	25 40	2 1	6 36	1 42	9 23	0 59	12 57	2 36	6 5	0 30	11 48	1 55	32 49	8 56	1 21	0 46	7 31			n.a.
S 31	18n56	0s49	0n36	23n 7	0s17	25n33	1n58	6s19	1s43	9s21	0n59	12n56	2n36	6n 6	0s30	11n48	1n55	32s49	8s57	1s21	0s45	7s30			n.a.

Julian Day Number = 1111210.5, Delta T = 10h52m12s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'09, Lahiri = -27°00'08 Julian Calendar 1 May 1671 BCE == Greg. Calendar 17 Apr. 1671 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

JUNE 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 38 47	24♉11'49	8♈39	19♊12	9♋38	18♓52	26°R 0	3♍12	16♈26	4°D32	1°R51	3°R21	1♎48	5♓47	n.a.	S 1
M 2	15 42 44	25° 8'57	20°55	19°45	10°34	19°33	25♎54	3°13	16°29	4♍32	1♏50	3♎19	1°45	5°54	n.a.	M 2
T 3	15 46 40	26° 6'05	3♉26	20°14	11°31	20°14	25°48	3°14	16°32	4°32	1°49	3°15	1°41	6° 0	n.a.	T 3
W 4	15 50 37	27° 3'14	16°15	20°39	12°26	20°55	25°42	3°16	16°35	4°33	1°48	3° 9	1°38	6° 7	n.a.	W 4
T 5	15 54 33	28° 0'24	29°22	21° 0	13°22	21°35	25°37	3°17	16°38	4°33	1°47	3° 2	1°35	6°14	n.a.	T 5
F 6	15 58 30	28°57'35	12♊46	21°16	14°16	22°16	25°32	3°18	16°41	4°33	1°46	2°53	1°32	6°20	n.a.	F 6
S 7	16 2 26	29°54'46	26°25	21°27	15°11	22°56	25°26	3°20	16°44	4°33	1°45	2°43	1°29	6°27	n.a.	S 7
S 8	16 6 23	0♊51'58	10♋16	21°34	16° 4	23°36	25°21	3°21	16°46	4°33	1°43	2°35	1°25	6°33	n.a.	S 8
M 9	16 10 20	1°49'10	24°16	21°R36	16°57	24°16	25°17	3°23	16°49	4°34	1°42	2°28	1°22	6°40	n.a.	M 9
T 10	16 14 16	2°46'23	8♌21	21°33	17°50	24°57	25°12	3°25	16°52	4°34	1°41	2°23	1°19	6°47	n.a.	T 10
W11	16 18 13	3°43'36	22°29	21°24	18°42	25°36	25° 7	3°27	16°54	4°34	1°40	2°21	1°16	6°53	n.a.	W11
T 12	16 22 9	4°40'49	6♍38	21°11	19°33	26°16	25° 3	3°29	16°57	4°34	1°39	2°D21	1°13	7° 0	n.a.	T 12
F 13	16 26 6	5°38'04	20°47	20°53	20°24	26°56	24°59	3°31	17° 0	4°35	1°38	2°21	1°10	7° 7	n.a.	F 13
S 14	16 30 2	6°35'18	4♎54	20°30	21°14	27°36	24°55	3°33	17° 2	4°35	1°37	2°R21	1° 6	7°13	n.a.	S 14
S 15	16 33 59	7°32'34	18°57	20° 3	22° 3	28°15	24°51	3°35	17° 5	4°36	1°35	2°20	1° 3	7°20	n.a.	S 15
M16	16 37 56	8°29'50	2♏56	19°32	22°52	28°54	24°47	3°37	17° 7	4°36	1°34	2°17	1° 0	7°27	n.a.	M16
T 17	16 41 52	9°27'07	16°47	18°56	23°39	29°33	24°43	3°40	17°10	4°37	1°33	2°11	0°57	7°33	n.a.	T 17
W18	16 45 49	10°24'25	0♐28	18°18	24°26	0♈13	24°40	3°42	17°12	4°37	1°32	2° 3	0°54	7°40	n.a.	W18
T 19	16 49 45	11°21'44	13°56	17°36	25°13	0°52	24°37	3°45	17°14	4°38	1°31	1°52	0°50	7°47	n.a.	T 19
F 20	16 53 42	12°19'04	27° 7	16°53	25°58	1°30	24°34	3°47	17°17	4°38	1°29	1°41	0°47	7°53	n.a.	F 20
S 21	16 57 38	13°16'25	10♑ 1	16° 7	26°43	2° 9	24°31	3°50	17°19	4°39	1°28	1°30	0°44	8° 0	n.a.	S 21
S 22	17 1 35	14°13'48	22°37	15°22	27°26	2°48	24°28	3°53	17°21	4°40	1°27	1°19	0°41	8° 7	n.a.	S 22
M23	17 5 31	15°11'12	4♒57	14°36	28° 9	3°26	24°25	3°56	17°24	4°40	1°26	1°11	0°38	8°13	n.a.	M23
T 24	17 9 28	16° 8'37	17° 3	13°51	28°50	4° 5	24°23	3°59	17°26	4°41	1°24	1° 5	0°35	8°20	n.a.	T 24
W25	17 13 25	17° 6'04	28°58	13° 9	29°31	4°43	24°21	4° 2	17°28	4°42	1°23	1° 2	0°31	8°27	n.a.	W25
T 26	17 17 21	18° 3'32	10♓48	12°29	0♌10	5°21	24°19	4° 5	17°30	4°43	1°22	1° 1	0°28	8°33	n.a.	T 26
F 27	17 21 18	19° 1'01	22°37	11°52	0°49	5°59	24°17	4° 9	17°32	4°44	1°20	1°D 0	0°25	8°40	n.a.	F 27
S 28	17 25 14	19°58'33	4♈31	11°20	1°26	6°36	24°15	4°12	17°34	4°44	1°19	1°R 0	0°22	8°47	n.a.	S 28
S 29	17 29 11	20°56'05	16°35	10°52	2° 2	7°14	24°14	4°15	17°36	4°45	1°18	1° 0	0°19	8°53	n.a.	S 29
M30	17 33 7	21♊53'40	28♈55	10♊30	2♌37	7♈52	24♎13	4♍19	17♈38	4♍46	1♏17	0♎57	0♎16	9♓ 0	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n10	3n 3	0s29	22n57	0s29	25n26	1n54	6s 3	1s43	9s19	0n59	12n56	2n36	6n 7	0s30	11n48	1n55	32s49	8s57	1s21	0s44	7s28		n.a.
M 2	19 24	6 52	1 33	22 46	0 43	25 17	1 50	5 47	1 43	9 17	0 58	12 55	2 35	6 8	0 30	11 48	1 55	32 49	8 57	1 21	0 42	7 26		n.a.
T 3	19 38	10 28	2 35	22 35	0 56	25 9	1 46	5 31	1 43	9 15	0 58	12 55	2 35	6 9	0 30	11 48	1 55	32 50	8 57	1 19	0 41	7 24		n.a.
W 4	19 52	13 40	3 30	22 23	1 10	25 0	1 42	5 14	1 43	9 13	0 58	12 54	2 35	6 10	0 30	11 48	1 55	32 50	8 57	1 17	0 40	7 23		n.a.
T 5	20 5	16 15	4 15	22 10	1 24	24 50	1 38	4 58	1 43	9 11	0 58	12 53	2 35	6 12	0 30	11 48	1 55	32 50	8 58	1 14	0 38	7 21		n.a.
F 6	20 18	18 1	4 47	21 57	1 39	24 40	1 34	4 42	1 43	9 10	0 57	12 52	2 34	6 13	0 30	11 48	1 54	32 50	8 58	1 10	0 37	7 19		n.a.
S 7	20 31	18 47	5 3	21 43	1 53	24 29	1 29	4 25	1 43	9 8	0 57	12 52	2 34	6 14	0 30	11 47	1 54	32 50	8 58	1 6	0 36	7 17		n.a.
S 8	20 43	18 27	5 2	21 29	2 8	24 18	1 24	4 9	1 43	9 6	0 57	12 51	2 34	6 15	0 30	11 47	1 54	32 51	8 58	1 3	0 35	7 16		n.a.
M 9	20 55	17 1	4 44	21 15	2 22	24 6	1 19	3 53	1 43	9 5	0 57	12 50	2 34	6 16	0 30	11 47	1 54	32 51	8 58	1 0	0 33	7 14		n.a.
T 10	21 6	14 32	4 7	21 0	2 37	23 54	1 14	3 37	1 43	9 3	0 56	12 49	2 34	6 17	0 30	11 47	1 54	32 51	8 59	0 58	0 32	7 12		n.a.
W11	21 17	11 11	3 16	20 46	2 51	23 41	1 9	3 21	1 43	9 2	0 56	12 48	2 33	6 18	0 30	11 47	1 54	32 51	8 59	0 57	0 31	7 10		n.a.
T 12	21 28	7 11	2 13	20 31	3 5	23 29	1 3	3 5	1 43	9 0	0 56	12 47	2 33	6 19	0 30	11 47	1 54	32 51	8 59	0 57	0 29	7 9		n.a.
F 13	21 39	2 47	1 1	20 17	3 18	23 15	0 58	2 49	1 43	8 59	0 56	12 46	2 33	6 20	0 30	11 46	1 54	32 52	8 59	0 57	0 28	7 7		n.a.
S 14	21 49	1s46	0n14	20 2	3 31	23 1	0 52	2 32	1 43	8 58	0 55	12 45	2 33	6 21	0 30	11 46	1 54	32 52	8 59	0 57	0 27	7 5		n.a.
S 15	21 59	6 13	1 27	19 48	3 43	22 47	0 45	2 16	1 43	8 57	0 55	12 44	2 32	6 22	0 30	11 46	1 54	32 52	8 59	0 57	0 26	7 3		n.a.
M16	22 8	10 17	2 35	19 35	3 54	22 33	0 39	2 0	1 43	8 55	0 55	12 43	2 32	6 23	0 30	11 46	1 54	32 52	9 0	0 55	0 24	7 2		n.a.
T 17	22 17	13 46	3 33	19 22	4 4	22 18	0 32	1 45	1 43	8 54	0 55	12 42	2 32	6 24	0 30	11 46	1 54	32 52	9 0	0 53	0 23	7 0		n.a.
W18	22 26	16 25	4 18	19 10	4 13	22 3	0 26	1 29	1 43	8 53	0 54	12 41	2 32	6 25	0 30	11 45	1 54	32 52	9 0	0 50	0 22	6 58		n.a.
T 19	22 34	18 8	4 48	18 59	4 20	21 48	0 19	1 13	1 42	8 52	0 54	12 40	2 31	6 26	0 30	11 45	1 54	32 53	9 0	0 45	0 20	6 56		n.a.
F 20	22 42	18 50	5 1	18 49	4 26	21 32	0 11	0 57	1 42	8 51	0 54	12 39	2 31	6 27	0 30	11 45	1 54	32 53	9 0	0 41	0 19	6 55		n.a.
S 21	22 49	18 32	4 59	18 40	4 30	21 16	0 4	0 41	1 42	8 51	0 54	12 37	2 31	6 27	0 30	11 44	1 54	32 53	9 0	0 36	0 18	6 53		n.a.
S 22	22 56	17 19	4 42	18 32	4 33	21 0	0s 4	0 26	1 42	8 50	0 53	12 36	2 31	6 28	0 30	11 44	1 54	32 53	9 0	0 32	0 17	6 51		n.a.
M23	23 3	15 19	4 12	18 26	4 34	20 44	0 12	0 10	1 42	8 49	0 53	12 35	2 31	6 29	0 30	11 44	1 53	32 53	9 1	0 29	0 15	6 49		n.a.
T 24	23 9	12 40	3 31	18 22	4 33	20 27	0 20	0n 6	1 42	8 48	0 53	12 33	2 30	6 30	0 30	11 43	1 53	32 53	9 1	0 26	0 14	6 48		n.a.
W25	23 15	9 32	2 42	18 19	4 31	20 10	0 28	0 21	1 42	8 48	0 53	12 32	2 30	6 31	0 30	11 43	1 53	32 54	9 1	0 25	0 13	6 46		n.a.
T 26	23 20	6 2	1 45	18 19	4 27	19 53	0 37	0 37	1 42	8 47	0 52	12 31	2 30	6 32	0 30	11 43	1 53	32 54	9 1	0 25	0 11	6 44		n.a.
F 27	23 25	2 18	0 44	18 20	4 21	19 36	0 46	0 52	1 41	8 47	0 52	12 29	2 30	6 32	0 30	11 42	1 53	32 54	9 1	0 24	0 10	6 42		n.a.
S 28	23 30	1n33	0s19	18 23	4 13	19 19	0 55	1 8	1 41	8 47	0 52	12 28	2 29	6 33	0 30	11 42	1 53	32 54	9 1	0 24	0 9	6 40		n.a.
S 29	23 34	5 23	1 22	18 28	4 4	19 2	1 4	1 23	1 41	8 46	0 51	12 26	2 29	6 34	0 30	11 42	1 53	32 54	9 1	0 24	0 8	6 39		n.a.
M30	23n38	9n 5	2s22	18n35	3s54	18n45	1s14	1n38	1s41	8s46	0n51	12n25	2n29	6n35	0s30	11n41	1n53	32s54	9s 1	0s23	0s 6	6s37		n.a.

Julian Day Number = 1111241.5, Delta T = 10h52m10s
Ecliptic obliquity = 23°53'12, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'04, Lahiri = -27°00'04 Julian Calendar 1 June 1671 BCE == Greg. Calendar 18 May 1671 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

JULY 1671 BCE (-1670) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 37 4	22♊51'16	11♉34	10°R14	3♌11	8♈29	24°R12	4♍22	17♈40	4♍47	1°R15	0°R52	0♎12	9♓ 7	n.a.	T 1
W 2	17 41 0	23°48'54	24°35	10♊ 5	3°43	9° 6	24♎11	4°26	17°42	4°48	1♑14	0♎44	0° 9	9°13	n.a.	W 2
T 3	17 44 57	24°46'33	7♊59	10°D 2	4°14	9°43	24°10	4°30	17°44	4°49	1°13	0°34	0° 6	9°20	n.a.	T 3
F 4	17 48 54	25°44'14	21°45	10° 7	4°44	10°20	24° 9	4°34	17°46	4°50	1°11	0°23	0° 3	9°27	n.a.	F 4
S 5	17 52 50	26°41'57	5♋49	10°18	5°12	10°57	24° 9	4°38	17°47	4°51	1°10	0°11	29♍59	9°33	n.a.	S 5
S 6	17 56 47	27°39'41	20° 6	10°37	5°39	11°33	24°D 9	4°42	17°49	4°52	1° 9	29♍59	29°56	9°40	n.a.	S 6
M 7	18 0 43	28°37'26	4♌31	11° 3	6° 4	12°10	24° 9	4°46	17°51	4°53	1° 7	29°51	29°53	9°47	n.a.	M 7
T 8	18 4 40	29°35'13	18°58	11°37	6°27	12°46	24° 9	4°50	17°52	4°55	1° 6	29°44	29°50	9°53	n.a.	T 8
W 9	18 8 36	0♋33'01	3♍21	12°18	6°48	13°22	24°10	4°54	17°54	4°56	1° 5	29°41	29°47	10° 0	n.a.	W 9
T 10	18 12 33	1°30'50	17°37	13° 6	7° 8	13°58	24°10	4°58	17°55	4°57	1° 3	29°39	29°44	10° 7	n.a.	T 10
F 11	18 16 29	2°28'41	1♎44	14° 1	7°26	14°34	24°11	5° 3	17°57	4°58	1° 2	29°39	29°41	10°13	n.a.	F 11
S 12	18 20 26	3°26'33	15°42	15° 3	7°42	15° 9	24°12	5° 7	17°58	4°59	1° 1	29°39	29°37	10°20	n.a.	S 12
S 13	18 24 23	4°24'27	29°30	16°11	7°56	15°45	24°13	5°12	18° 0	5° 1	0°59	29°37	29°34	10°26	n.a.	S 13
M14	18 28 19	5°22'22	13♏ 8	17°25	8° 8	16°20	24°15	5°16	18° 1	5° 2	0°58	29°33	29°31	10°33	n.a.	M14
T 15	18 32 16	6°20'18	26°35	18°45	8°18	16°55	24°16	5°21	18° 2	5° 3	0°57	29°27	29°28	10°40	n.a.	T 15
W16	18 36 12	7°18'17	9♐53	20°10	8°26	17°30	24°18	5°26	18° 3	5° 5	0°55	29°17	29°25	10°46	n.a.	W16
T 17	18 40 9	8°16'16	22°58	21°41	8°32	18° 4	24°20	5°31	18° 5	5° 6	0°54	29° 6	29°22	10°53	n.a.	T 17
F 18	18 44 5	9°14'18	5♑50	23°16	8°35	18°39	24°22	5°35	18° 6	5° 8	0°53	28°53	29°18	11° 0	n.a.	F 18
S 19	18 48 2	10°12'21	18°29	24°55	8°R36	19°13	24°24	5°40	18° 7	5° 9	0°51	28°40	29°15	11° 6	n.a.	S 19
S 20	18 51 58	11°10'27	0♒54	26°37	8°35	19°47	24°27	5°45	18° 8	5°11	0°50	28°29	29°12	11°13	n.a.	S 20
M21	18 55 55	12° 8'34	13° 7	28°23	8°31	20°21	24°29	5°50	18° 9	5°12	0°49	28°19	29° 9	11°20	n.a.	M21
T 22	18 59 52	13° 6'43	25° 7	0♋11	8°25	20°55	24°32	5°56	18°10	5°14	0°47	28°12	29° 6	11°26	n.a.	T 22
W23	19 3 48	14° 4'54	7♓ 0	2° 2	8°17	21°28	24°35	6° 1	18°11	5°15	0°46	28° 8	29° 2	11°33	n.a.	W23
T 24	19 7 45	15° 3'08	18°48	3°54	8° 6	22° 1	24°38	6° 6	18°12	5°17	0°45	28° 6	28°59	11°40	n.a.	T 24
F 25	19 11 41	16° 1'23	0♈35	5°48	7°53	22°34	24°42	6°11	18°12	5°18	0°43	28°D 6	28°56	11°46	n.a.	F 25
S 26	19 15 38	16°59'41	12°28	7°42	7°38	23° 7	24°45	6°17	18°13	5°20	0°42	28°R 6	28°53	11°53	n.a.	S 26
S 27	19 19 34	17°58'01	24°32	9°37	7°20	23°40	24°49	6°22	18°14	5°22	0°41	28° 6	28°50	12° 0	n.a.	S 27
M28	19 23 31	18°56'24	6♉51	11°33	7° 0	24°12	24°53	6°28	18°14	5°23	0°40	28° 4	28°47	12° 6	n.a.	M28
T 29	19 27 27	19°54'48	19°31	13°29	6°38	24°44	24°57	6°33	18°15	5°25	0°38	28° 1	28°43	12°13	n.a.	T 29
W30	19 31 24	20°53'15	2♊36	15°24	6°14	25°16	25° 1	6°39	18°16	5°27	0°37	27°55	28°40	12°20	n.a.	W30
T 31	19 35 21	21♋51'44	16♊ 7	17♋20	5♌48	25♈48	25♎ 5	6♍44	18♈16	5♍28	0♑36	27♍47	28♍37	12♓26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n41	12n28	3s17	18n45	3s42	18n27	1s24	1n53	1s41	8s46	0n51	12n23	2n29	6n35	0s31	11n41	1n53	32s54	9s 1	0s21	0s 5	6s35			n.a.
W 2	23 44	15 20	4 4	18 56	3 29	18 10	1 34	2 8	1 40	8 46	0 51	12 22	2 29	6 36	0 31	11 40	1 53	32 54	9 2	0 18	0 4	6 33			n.a.
T 3	23 47	17 29	4 38	19 9	3 16	17 52	1 44	2 23	1 40	8 46	0 50	12 20	2 28	6 37	0 31	11 40	1 53	32 54	9 2	0 14	0 2	6 32			n.a.
F 4	23 49	18 41	4 57	19 24	3 1	17 35	1 55	2 38	1 40	8 46	0 50	12 18	2 28	6 38	0 31	11 40	1 53	32 55	9 2	0 9	0 1	6 30			n.a.
S 5	23 51	18 46	4 59	19 40	2 46	17 18	2 5	2 53	1 40	8 46	0 50	12 17	2 28	6 38	0 31	11 39	1 53	32 55	9 2	0 4	0n 0	6 28			n.a.
S 6	23 52	17 41	4 43	19 58	2 31	17 1	2 16	3 8	1 40	8 46	0 50	12 15	2 28	6 39	0 31	11 39	1 53	32 55	9 2	0n 0	0 1	6 26			n.a.
M 7	23 53	15 29	4 8	20 18	2 15	16 44	2 28	3 23	1 39	8 46	0 49	12 13	2 28	6 39	0 31	11 38	1 53	32 55	9 2	0 4	0 3	6 25			n.a.
T 8	23 53	12 18	3 17	20 38	1 59	16 27	2 39	3 37	1 39	8 47	0 49	12 12	2 27	6 40	0 31	11 38	1 53	32 55	9 2	0 6	0 4	6 23			n.a.
W 9	23 53	8 23	2 14	21 0	1 43	16 10	2 51	3 52	1 39	8 47	0 49	12 10	2 27	6 41	0 31	11 37	1 53	32 55	9 2	0 8	0 5	6 21			n.a.
T 10	23 53	4 1	1 3	21 22	1 27	15 54	3 3	4 6	1 38	8 48	0 48	12 8	2 27	6 41	0 31	11 37	1 53	32 55	9 2	0 8	0 7	6 19			n.a.
F 11	23 52	0s32	0n11	21 44	1 11	15 37	3 15	4 20	1 38	8 48	0 48	12 6	2 27	6 42	0 31	11 36	1 53	32 55	9 2	0 8	0 8	6 17			n.a.
S 12	23 50	5 0	1 24	22 7	0 55	15 21	3 27	4 35	1 38	8 49	0 48	12 4	2 27	6 42	0 31	11 36	1 52	32 55	9 2	0 9	0 9	6 16			n.a.
S 13	23 49	9 9	2 31	22 29	0 40	15 6	3 39	4 49	1 37	8 50	0 48	12 3	2 26	6 43	0 31	11 35	1 52	32 55	9 2	0 9	0 10	6 14			n.a.
M14	23 46	12 46	3 28	22 52	0 25	14 50	3 52	5 3	1 37	8 50	0 47	12 1	2 26	6 43	0 31	11 35	1 52	32 55	9 2	0 11	0 12	6 12			n.a.
T 15	23 44	15 39	4 13	23 13	0 11	14 36	4 5	5 17	1 37	8 51	0 47	11 59	2 26	6 44	0 31	11 34	1 52	32 55	9 2	0 13	0 13	6 10			n.a.
W16	23 41	17 40	4 44	23 33	0n 3	14 21	4 18	5 31	1 36	8 52	0 47	11 57	2 26	6 44	0 31	11 34	1 52	32 55	9 2	0 17	0 14	6 8			n.a.
T 17	23 37	18 43	4 59	23 53	0 15	14 7	4 31	5 44	1 36	8 53	0 47	11 55	2 26	6 45	0 31	11 33	1 52	32 55	9 2	0 22	0 16	6 7			n.a.
F 18	23 33	18 47	4 59	24 10	0 28	13 54	4 44	5 58	1 36	8 54	0 46	11 53	2 26	6 45	0 31	11 32	1 52	32 56	9 3	0 27	0 17	6 5			n.a.
S 19	23 29	17 54	4 43	24 26	0 39	13 41	4 57	6 12	1 35	8 55	0 46	11 51	2 25	6 46	0 31	11 32	1 52	32 56	9 3	0 32	0 18	6 3			n.a.
S 20	23 24	16 11	4 15	24 40	0 49	13 28	5 10	6 25	1 35	8 56	0 46	11 49	2 25	6 46	0 31	11 31	1 52	32 56	9 3	0 37	0 19	6 1			n.a.
M21	23 19	13 46	3 35	24 52	0 59	13 16	5 23	6 38	1 35	8 58	0 46	11 47	2 25	6 46	0 31	11 31	1 52	32 56	9 3	0 41	0 21	6 0			n.a.
T 22	23 14	10 47	2 46	25 1	1 8	13 5	5 36	6 52	1 34	8 59	0 45	11 45	2 25	6 47	0 31	11 30	1 52	32 56	9 3	0 44	0 22	5 58			n.a.
W23	23 8	7 25	1 50	25 8	1 16	12 55	5 50	7 5	1 34	9 0	0 45	11 43	2 25	6 47	0 31	11 29	1 52	32 56	9 3	0 45	0 23	5 56			n.a.
T 24	23 1	3 46	0 49	25 12	1 23	12 45	6 3	7 18	1 33	9 2	0 45	11 40	2 25	6 47	0 31	11 29	1 52	32 56	9 3	0 46	0 25	5 54			n.a.
F 25	22 54	0n 2	0s13	25 14	1 29	12 36	6 15	7 31	1 33	9 3	0 44	11 38	2 24	6 48	0 31	11 28	1 52	32 56	9 3	0 46	0 26	5 52			n.a.
S 26	22 47	3 51	1 16	25 13	1 34	12 27	6 28	7 43	1 32	9 5	0 44	11 36	2 24	6 48	0 31	11 28	1 52	32 56	9 3	0 46	0 27	5 51			n.a.
S 27	22 39	7 34	2 16	25 10	1 38	12 20	6 40	7 56	1 32	9 6	0 44	11 34	2 24	6 48	0 31	11 27	1 52	32 56	9 3	0 46	0 28	5 49			n.a.
M28	22 31	11 3	3 11	25 4	1 42	12 13	6 52	8 9	1 31	9 8	0 44	11 32	2 24	6 48	0 31	11 26	1 52	32 56	9 3	0 47	0 30	5 47			n.a.
T 29	22 23	14 7	3 59	24 55	1 45	12 7	7 4	8 21	1 31	9 10	0 43	11 30	2 24	6 49	0 31	11 26	1 52	32 56	9 3	0 48	0 31	5 45			n.a.
W30	22 14	16 34	4 35	24 45	1 47	12 2	7 15	8 33	1 30	9 11	0 43	11 27	2 24	6 49	0 31	11 25	1 52	32 56	9 3	0 51	0 32	5 43			n.a.
T 31	22n 4	18n13	4s58	24n31	1n48	11n58	7s26	8n46	1s30	9s13	0n43	11n25	2n24	6n49	0s31	11n24	1n52	32s56	9s 2	0n54	0n34	5s42			n.a.

Julian Day Number = 1111271.5, Delta T = 10h52m08s
Ecliptic obliquity = 23°53'12, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°07'00, Lahiri = -27°00'00 Julian Calendar 1 July 1671 BCE == Greg. Calendar 17 June 1671 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

AUGUST 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 39 17	22♋50'16	0♋ 5	19♋14	5°R20	26♈20	25♎10	6♍50	18♈16	5♍30	0°R35	27°R37	28♍34	12♓33	n.a.	F 1
S 2	19 43 14	23°48'49	14°27	21° 9	4♌50	26°51	25°14	6°56	18°17	5°32	0♏34	27♍27	28°31	12°40	n.a.	S 2
S 3	19 47 10	24°47'25	29° 6	23° 2	4°19	27°22	25°19	7° 2	18°17	5°34	0°32	27°17	28°28	12°46	n.a.	S 3
M 4	19 51 7	25°46'03	13♌55	24°55	3°46	27°52	25°24	7° 7	18°17	5°35	0°31	27° 9	28°24	12°53	n.a.	M 4
T 5	19 55 3	26°44'43	28°45	26°47	3°12	28°23	25°30	7°13	18°18	5°37	0°30	27° 4	28°21	13° 0	n.a.	T 5
W 6	19 59 0	27°43'25	13♍30	28°38	2°38	28°53	25°35	7°19	18°18	5°39	0°29	27° 1	28°18	13° 6	n.a.	W 6
T 7	20 2 56	28°42'08	28° 3	0♌28	2° 2	29°23	25°41	7°25	18°18	5°41	0°28	27°D 0	28°15	13°13	n.a.	T 7
F 8	20 6 53	29°40'54	12♎21	2°17	1°26	29°52	25°46	7°31	18°18	5°43	0°26	27° 1	28°12	13°19	n.a.	F 8
S 9	20 10 49	0♌39'41	26°21	4° 5	0°49	0♉22	25°52	7°37	18°R18	5°45	0°25	27°R 2	28° 8	13°26	n.a.	S 9
S 10	20 14 46	1°38'30	10♏ 4	5°52	0°12	0°51	25°58	7°44	18°18	5°47	0°24	27° 1	28° 5	13°33	n.a.	S 10
M11	20 18 43	2°37'21	23°31	7°38	29♋36	1°19	26° 4	7°50	18°18	5°49	0°23	26°59	28° 2	13°39	n.a.	M11
T 12	20 22 39	3°36'14	6♐43	9°23	29° 0	1°48	26°11	7°56	18°18	5°51	0°22	26°55	27°59	13°46	n.a.	T 12
W13	20 26 36	4°35'09	19°41	11° 8	28°24	2°16	26°17	8° 2	18°18	5°53	0°21	26°48	27°56	13°53	n.a.	W13
T 14	20 30 32	5°34'06	2♑26	12°51	27°50	2°44	26°24	8° 9	18°17	5°55	0°20	26°40	27°53	13°59	n.a.	T 14
F 15	20 34 29	6°33'05	15° 0	14°33	27°16	3°11	26°31	8°15	18°17	5°57	0°19	26°31	27°49	14° 6	n.a.	F 15
S 16	20 38 25	7°32'06	27°22	16°14	26°44	3°38	26°38	8°21	18°17	5°59	0°18	26°22	27°46	14°13	n.a.	S 16
S 17	20 42 22	8°31'09	9♒34	17°55	26°13	4° 5	26°45	8°28	18°16	6° 1	0°17	26°13	27°43	14°19	n.a.	S 17
M18	20 46 18	9°30'15	21°36	19°34	25°44	4°32	26°52	8°34	18°16	6° 3	0°16	26° 7	27°40	14°26	n.a.	M18
T 19	20 50 15	10°29'22	3♓31	21°13	25°17	4°58	26°59	8°41	18°15	6° 5	0°15	26° 2	27°37	14°33	n.a.	T 19
W20	20 54 11	11°28'32	15°20	22°51	24°52	5°24	27° 7	8°47	18°15	6° 7	0°14	25°59	27°34	14°39	n.a.	W20
T 21	20 58 8	12°27'44	27° 7	24°28	24°29	5°49	27°14	8°54	18°14	6° 9	0°13	25°D58	27°30	14°46	n.a.	T 21
F 22	21 2 5	13°26'59	8♈54	26° 4	24° 8	6°14	27°22	9° 0	18°14	6°11	0°12	25°59	27°27	14°53	n.a.	F 22
S 23	21 6 1	14°26'16	20°46	27°39	23°49	6°39	27°30	9° 7	18°13	6°13	0°11	26° 1	27°24	14°59	n.a.	S 23
S 24	21 9 58	15°25'36	2♉49	29°13	23°32	7° 3	27°38	9°14	18°12	6°15	0°10	26° 2	27°21	15° 6	n.a.	S 24
M25	21 13 54	16°24'58	15° 6	0♍47	23°18	7°27	27°46	9°20	18°11	6°17	0°10	26°R 3	27°18	15°13	n.a.	M25
T 26	21 17 51	17°24'22	27°42	2°20	23° 7	7°51	27°55	9°27	18°11	6°19	0° 9	26° 2	27°14	15°19	n.a.	T 26
W27	21 21 47	18°23'49	10♊43	3°52	22°58	8°14	28° 3	9°34	18°10	6°22	0° 8	26° 0	27°11	15°26	n.a.	W27
T 28	21 25 44	19°23'19	24°11	5°23	22°51	8°37	28°12	9°41	18° 9	6°24	0° 7	25°57	27° 8	15°32	n.a.	T 28
F 29	21 29 40	20°22'51	8♋ 8	6°53	22°47	8°59	28°20	9°48	18° 8	6°26	0° 6	25°52	27° 5	15°39	n.a.	F 29
S 30	21 33 37	21°22'26	22°32	8°23	22°D45	9°21	28°29	9°54	18° 7	6°28	0° 6	25°46	27° 2	15°46	n.a.	S 30
S 31	21 37 33	22♌22'02	7♌19	9♍52	22♋46	9♉42	28♎38	10♍ 1	18♈ 6	6♍30	0♏ 5	25♍41	26♍59	15♓52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n55	18n50	5s 4	24n16	1n49	11n55	7s36	8n58	1s29	9s15	0n43	11n23	2n23	6n49	0s31	11n24	1n52	32s56	9s 2	0n58	0n35	5s40		n.a.
S 2	21 45	18 16	4 51	23 59	1 49	11 52	7 46	9 10	1 29	9 17	0 42	11 20	2 23	6 49	0 31	11 23	1 52	32 56	9 2	1 2	0 36	5 38		n.a.
S 3	21 34	16 30	4 19	23 39	1 48	11 51	7 55	9 21	1 28	9 19	0 42	11 18	2 23	6 49	0 31	11 22	1 52	32 56	9 2	1 6	0 37	5 36		n.a.
M 4	21 23	13 38	3 29	23 18	1 47	11 50	8 3	9 33	1 28	9 21	0 42	11 16	2 23	6 49	0 31	11 21	1 52	32 55	9 2	1 9	0 39	5 34		n.a.
T 5	21 12	9 52	2 25	22 55	1 45	11 51	8 11	9 45	1 27	9 24	0 42	11 13	2 23	6 49	0 31	11 21	1 52	32 55	9 2	1 11	0 40	5 33		n.a.
W 6	21 0	5 30	1 12	22 30	1 43	11 52	8 17	9 56	1 26	9 26	0 41	11 11	2 23	6 49	0 31	11 20	1 51	32 55	9 2	1 12	0 41	5 31		n.a.
T 7	20 48	0 52	0n 6	22 4	1 41	11 54	8 23	10 7	1 26	9 28	0 41	11 9	2 23	6 49	0 31	11 19	1 51	32 55	9 2	1 13	0 43	5 29		n.a.
F 8	20 36	3s43	1 21	21 36	1 38	11 57	8 28	10 19	1 25	9 30	0 41	11 6	2 22	6 50	0 31	11 18	1 51	32 55	9 2	1 12	0 44	5 27		n.a.
S 9	20 23	8 1	2 31	21 7	1 34	12 1	8 32	10 30	1 24	9 33	0 41	11 4	2 22	6 49	0 31	11 18	1 51	32 55	9 2	1 12	0 45	5 25		n.a.
S 10	20 10	11 48	3 30	20 37	1 31	12 5	8 36	10 41	1 24	9 35	0 40	11 1	2 22	6 49	0 31	11 17	1 51	32 55	9 2	1 12	0 46	5 24		n.a.
M11	19 56	14 52	4 16	20 6	1 26	12 10	8 38	10 51	1 23	9 38	0 40	10 59	2 22	6 49	0 31	11 16	1 51	32 55	9 2	1 13	0 48	5 22		n.a.
T 12	19 43	17 6	4 48	19 33	1 22	12 16	8 39	11 2	1 22	9 40	0 40	10 56	2 22	6 49	0 31	11 15	1 51	32 55	9 2	1 15	0 49	5 20		n.a.
W13	19 28	18 25	5 4	19 0	1 17	12 23	8 40	11 12	1 22	9 43	0 40	10 54	2 22	6 49	0 31	11 15	1 51	32 55	9 2	1 18	0 50	5 18		n.a.
T 14	19 14	18 47	5 5	18 25	1 12	12 30	8 39	11 23	1 21	9 45	0 40	10 51	2 22	6 49	0 31	11 14	1 51	32 55	9 2	1 21	0 52	5 16		n.a.
F 15	18 59	18 12	4 51	17 50	1 7	12 38	8 38	11 33	1 20	9 48	0 39	10 49	2 22	6 49	0 31	11 13	1 51	32 55	9 2	1 25	0 53	5 15		n.a.
S 16	18 44	16 46	4 24	17 14	1 1	12 46	8 35	11 43	1 20	9 51	0 39	10 46	2 22	6 49	0 31	11 12	1 51	32 55	9 2	1 28	0 54	5 13		n.a.
S 17	18 28	14 35	3 44	16 38	0 56	12 55	8 32	11 53	1 19	9 54	0 39	10 44	2 22	6 49	0 31	11 12	1 51	32 55	9 1	1 32	0 55	5 11		n.a.
M18	18 12	11 48	2 55	16 1	0 50	13 4	8 28	12 3	1 18	9 57	0 39	10 41	2 21	6 49	0 31	11 11	1 51	32 55	9 1	1 34	0 57	5 9		n.a.
T 19	17 56	8 34	1 59	15 23	0 44	13 14	8 23	12 12	1 17	10 0	0 38	10 39	2 21	6 48	0 31	11 10	1 51	32 54	9 1	1 36	0 58	5 7		n.a.
W20	17 40	5 0	0 57	14 45	0 38	13 24	8 18	12 22	1 16	10 2	0 38	10 36	2 21	6 48	0 31	11 9	1 51	32 54	9 1	1 37	0 59	5 6		n.a.
T 21	17 23	1 16	0s 6	14 6	0 31	13 34	8 12	12 31	1 16	10 5	0 38	10 33	2 21	6 48	0 31	11 8	1 51	32 54	9 1	1 38	1 1	5 4		n.a.
F 22	17 6	2n32	1 10	13 27	0 25	13 44	8 5	12 41	1 15	10 9	0 38	10 31	2 21	6 48	0 31	11 8	1 51	32 54	9 1	1 37	1 2	5 2		n.a.
S 23	16 48	6 14	2 11	12 48	0 18	13 54	7 57	12 50	1 14	10 12	0 38	10 28	2 21	6 47	0 32	11 7	1 51	32 54	9 1	1 37	1 3	5 0		n.a.
S 24	16 31	9 45	3 7	12 8	0 11	14 5	7 50	12 59	1 13	10 15	0 37	10 26	2 21	6 47	0 32	11 6	1 51	32 54	9 1	1 36	1 4	4 58		n.a.
M25	16 13	12 54	3 56	11 28	0 4	14 15	7 41	13 7	1 12	10 18	0 37	10 23	2 21	6 47	0 32	11 5	1 51	32 54	9 1	1 36	1 6	4 56		n.a.
T 26	15 54	15 33	4 35	10 48	0s 3	14 26	7 32	13 16	1 11	10 21	0 37	10 20	2 21	6 46	0 32	11 4	1 51	32 54	9 1	1 36	1 7	4 55		n.a.
W27	15 36	17 30	5 1	10 8	0 10	14 37	7 23	13 24	1 10	10 24	0 37	10 18	2 21	6 46	0 32	11 4	1 51	32 54	9 0	1 37	1 8	4 53		n.a.
T 28	15 17	18 34	5 12	9 27	0 17	14 47	7 14	13 33	1 9	10 28	0 36	10 15	2 21	6 46	0 32	11 3	1 51	32 53	9 0	1 38	1 10	4 51		n.a.
F 29	14 58	18 33	5 5	8 47	0 24	14 57	7 4	13 41	1 8	10 31	0 36	10 12	2 21	6 45	0 32	11 2	1 51	32 53	9 0	1 40	1 11	4 49		n.a.
S 30	14 38	17 23	4 39	8 6	0 31	15 8	6 54	13 49	1 7	10 34	0 36	10 10	2 21	6 45	0 32	11 1	1 51	32 53	9 0	1 43	1 12	4 47		n.a.
S 31	14n19	15n 1	3s54	7n26	0s38	15n18	6s43	13n57	1s 6	10s38	0n36	10n 7	2n21	6n44	0s32	11n 0	1n51	32s53	9s 0	1n45	1n13	4s46		n.a.

Julian Day Number = 1111302.5, Delta T = 10h52m07s
Ecliptic obliquity = 23°53'12, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'56, Lahiri = -26°59'56 Julian Calendar 1 Aug. 1671 BCE == Greg. Calendar 18 July 1671 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

SEPTEMBER 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 41 30	23♌21'41	22♌22	11♍20	22♋49	10♉ 3	28♎47	10♍ 8	18°R 4	6♍32	0°R 4	25°R37	26♍55	15♓59	n.a.	M 1
T 2	21 45 27	24°21'23	7♍30	12°47	22°54	10°24	28°56	10°15	18♈ 3	6°35	0♊ 4	25♍34	26°52	16° 6	n.a.	T 2
W 3	21 49 23	25°21'06	22°36	14°14	23° 1	10°44	29° 6	10°22	18° 2	6°37	0° 3	25°D33	26°49	16°12	n.a.	W 3
T 4	21 53 20	26°20'51	7♎30	15°40	23°11	11° 3	29°15	10°29	18° 1	6°39	0° 2	25°34	26°46	16°19	n.a.	T 4
F 5	21 57 16	27°20'38	22° 5	17° 5	23°23	11°22	29°25	10°36	17°59	6°41	0° 2	25°35	26°43	16°26	n.a.	F 5
S 6	22 1 13	28°20'27	6♏19	18°29	23°37	11°41	29°34	10°43	17°58	6°44	0° 1	25°37	26°39	16°32	n.a.	S 6
S 7	22 5 9	29°20'18	20° 9	19°52	23°53	11°59	29°44	10°50	17°57	6°46	0° 1	25°38	26°36	16°39	n.a.	S 7
M 8	22 9 6	0♍20'11	3♐36	21°14	24°11	12°16	29°54	10°57	17°55	6°48	0° 0	25°R38	26°33	16°46	n.a.	M 8
T 9	22 13 2	1°20'06	16°42	22°35	24°31	12°33	0♏ 4	11° 4	17°54	6°50	29♐59	25°37	26°30	16°52	n.a.	T 9
W10	22 16 59	2°20'03	29°29	23°55	24°53	12°50	0°14	11°11	17°52	6°52	29°59	25°35	26°27	16°59	n.a.	W10
T 11	22 20 55	3°20'01	12♑ 1	25°14	25°16	13° 6	0°24	11°18	17°51	6°55	29°59	25°32	26°24	17° 6	n.a.	T 11
F 12	22 24 52	4°20'01	24°20	26°31	25°42	13°21	0°35	11°25	17°49	6°57	29°58	25°29	26°20	17°12	n.a.	F 12
S 13	22 28 49	5°20'03	6♒28	27°48	26° 9	13°36	0°45	11°32	17°47	6°59	29°58	25°25	26°17	17°19	n.a.	S 13
S 14	22 32 45	6°20'07	18°28	29° 3	26°38	13°50	0°55	11°39	17°46	7° 1	29°57	25°22	26°14	17°25	n.a.	S 14
M15	22 36 42	7°20'13	0♓22	0♎16	27° 8	14° 4	1° 6	11°46	17°44	7° 4	29°57	25°20	26°11	17°32	n.a.	M15
T 16	22 40 38	8°20'21	12°12	1°28	27°40	14°16	1°17	11°53	17°42	7° 6	29°57	25°18	26° 8	17°39	n.a.	T 16
W17	22 44 35	9°20'31	24° 0	2°37	28°13	14°29	1°28	12° 0	17°40	7° 8	29°56	25°D18	26° 5	17°45	n.a.	W17
T 18	22 48 31	10°20'43	5♈47	3°45	28°48	14°40	1°39	12° 7	17°39	7°10	29°56	25°18	26° 1	17°52	n.a.	T 18
F 19	22 52 28	11°20'57	17°38	4°50	29°24	14°52	1°50	12°14	17°37	7°13	29°56	25°19	25°58	17°59	n.a.	F 19
S 20	22 56 24	12°21'13	29°34	5°53	0♌ 2	15° 2	2° 1	12°22	17°35	7°15	29°56	25°20	25°55	18° 5	n.a.	S 20
S 21	23 0 21	13°21'32	11♉39	6°53	0°41	15°12	2°12	12°29	17°33	7°17	29°55	25°21	25°52	18°12	n.a.	S 21
M22	23 4 17	14°21'52	23°56	7°50	1°21	15°21	2°23	12°36	17°31	7°19	29°55	25°22	25°49	18°19	n.a.	M22
T 23	23 8 14	15°22'15	6♊31	8°43	2° 2	15°29	2°34	12°43	17°29	7°22	29°55	25°23	25°45	18°25	n.a.	T 23
W24	23 12 11	16°22'40	19°27	9°32	2°44	15°37	2°46	12°50	17°27	7°24	29°55	25°R23	25°42	18°32	n.a.	W24
T 25	23 16 7	17°23'07	2♋46	10°17	3°28	15°43	2°57	12°57	17°25	7°26	29°55	25°23	25°39	18°39	n.a.	T 25
F 26	23 20 4	18°23'36	16°32	10°57	4°12	15°50	3° 9	13° 4	17°23	7°28	29°55	25°22	25°36	18°45	n.a.	F 26
S 27	23 24 0	19°24'07	0♌45	11°32	4°58	15°55	3°21	13°11	17°20	7°31	29°55	25°22	25°33	18°52	n.a.	S 27
S 28	23 27 57	20°24'41	15°23	12° 0	5°44	16° 0	3°32	13°18	17°18	7°33	29°D55	25°21	25°30	18°59	n.a.	S 28
M29	23 31 53	21°25'16	0♍21	12°22	6°32	16° 3	3°44	13°25	17°16	7°35	29°55	25°20	25°26	19° 5	n.a.	M29
T 30	23 35 50	22♍25'53	15♍31	12♎36	7♌20	16♉ 6	3♏56	13♍32	17♈14	7♍37	29♐55	25♍20	25♍23	19♓12	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n59	11n37	2s52	6n45	0s45	15n28	6s33	14n 4	1s 5	10s41	0n36	10n 4	2n21	6n44	0s32	10n59	1n51	32s53	9s 0	1n46	1n15	4s44		n.a.
T 2	13 39	7 24	1 37	6 5	0 52	15 38	6 22	14 12	1 4	10 45	0 35	10 1	2 20	6 43	0 32	10 58	1 51	32 53	9 0	1 47	1 16	4 42		n.a.
W 3	13 19	2 45	0 16	5 24	0 59	15 47	6 11	14 19	1 3	10 48	0 35	9 59	2 20	6 43	0 32	10 58	1 51	32 53	8 59	1 48	1 17	4 40		n.a.
T 4	12 58	2s 2	1n 5	4 44	1 7	15 56	6 0	14 27	1 2	10 52	0 35	9 56	2 20	6 42	0 32	10 57	1 51	32 53	8 59	1 48	1 19	4 38		n.a.
F 5	12 37	6 35	2 21	4 4	1 14	16 5	5 49	14 34	1 1	10 56	0 35	9 53	2 20	6 42	0 32	10 56	1 51	32 52	8 59	1 47	1 20	4 36		n.a.
S 6	12 16	10 38	3 26	3 24	1 21	16 14	5 38	14 41	1 0	10 59	0 35	9 51	2 20	6 41	0 32	10 55	1 51	32 52	8 59	1 47	1 21	4 35		n.a.
S 7	11 55	13 59	4 17	2 45	1 27	16 22	5 27	14 47	0 59	11 3	0 34	9 48	2 20	6 41	0 32	10 54	1 51	32 52	8 59	1 46	1 22	4 33		n.a.
M 8	11 34	16 29	4 52	2 6	1 34	16 30	5 16	14 54	0 57	11 7	0 34	9 45	2 20	6 40	0 32	10 53	1 51	32 52	8 59	1 46	1 24	4 31		n.a.
T 9	11 12	18 3	5 11	1 27	1 41	16 37	5 5	15 0	0 56	11 10	0 34	9 42	2 20	6 40	0 32	10 53	1 51	32 52	8 59	1 46	1 25	4 29		n.a.
W10	10 50	18 39	5 14	0 49	1 48	16 44	4 54	15 7	0 55	11 14	0 34	9 40	2 20	6 39	0 32	10 52	1 51	32 52	8 58	1 47	1 26	4 27		n.a.
T 11	10 28	18 19	5 2	0 11	1 54	16 50	4 43	15 13	0 54	11 18	0 34	9 37	2 20	6 38	0 32	10 51	1 51	32 52	8 58	1 48	1 28	4 25		n.a.
F 12	10 6	17 7	4 36	0s26	2 0	16 57	4 32	15 19	0 52	11 22	0 34	9 34	2 20	6 38	0 32	10 50	1 51	32 51	8 58	1 50	1 29	4 24		n.a.
S 13	9 44	15 10	3 58	1 2	2 6	17 2	4 21	15 24	0 51	11 26	0 33	9 31	2 20	6 37	0 32	10 49	1 51	32 51	8 58	1 51	1 30	4 22		n.a.
S 14	9 21	12 34	3 10	1 38	2 12	17 7	4 11	15 30	0 50	11 30	0 33	9 29	2 20	6 36	0 32	10 48	1 51	32 51	8 58	1 52	1 31	4 20		n.a.
M15	8 59	9 28	2 14	2 13	2 18	17 12	4 0	15 35	0 48	11 34	0 33	9 26	2 20	6 36	0 32	10 48	1 51	32 51	8 58	1 53	1 33	4 18		n.a.
T 16	8 36	6 0	1 12	2 46	2 23	17 16	3 49	15 40	0 47	11 38	0 33	9 23	2 20	6 35	0 32	10 47	1 51	32 51	8 57	1 54	1 34	4 16		n.a.
W17	8 13	2 19	0 7	3 19	2 28	17 20	3 39	15 46	0 46	11 42	0 33	9 20	2 20	6 34	0 32	10 46	1 51	32 51	8 57	1 54	1 35	4 14		n.a.
T 18	7 50	1n27	0s58	3 51	2 33	17 23	3 29	15 50	0 44	11 46	0 32	9 18	2 20	6 34	0 32	10 45	1 51	32 50	8 57	1 54	1 37	4 13		n.a.
F 19	7 26	5 11	2 1	4 22	2 38	17 25	3 18	15 55	0 43	11 50	0 32	9 15	2 20	6 33	0 32	10 44	1 51	32 50	8 57	1 54	1 38	4 11		n.a.
S 20	7 3	8 44	2 59	4 51	2 42	17 27	3 8	16 0	0 41	11 54	0 32	9 12	2 20	6 32	0 32	10 43	1 51	32 50	8 57	1 53	1 39	4 9		n.a.
S 21	6 40	11 58	3 50	5 18	2 45	17 29	2 58	16 4	0 40	11 58	0 32	9 9	2 20	6 31	0 32	10 42	1 51	32 50	8 57	1 53	1 40	4 7		n.a.
M22	6 16	14 44	4 32	5 44	2 48	17 30	2 49	16 8	0 38	12 2	0 32	9 7	2 20	6 31	0 32	10 42	1 51	32 50	8 56	1 52	1 42	4 5		n.a.
T 23	5 52	16 52	5 1	6 7	2 50	17 30	2 39	16 12	0 36	12 6	0 32	9 4	2 20	6 30	0 32	10 41	1 51	32 50	8 56	1 52	1 43	4 3		n.a.
W24	5 28	18 12	5 16	6 29	2 52	17 29	2 29	16 16	0 35	12 10	0 31	9 1	2 20	6 29	0 32	10 40	1 51	32 49	8 56	1 52	1 44	4 2		n.a.
T 25	5 4	18 36	5 15	6 48	2 53	17 29	2 20	16 20	0 33	12 14	0 31	8 58	2 20	6 28	0 32	10 39	1 51	32 49	8 56	1 52	1 46	4 0		n.a.
F 26	4 40	17 56	4 57	7 4	2 53	17 27	2 11	16 23	0 31	12 18	0 31	8 56	2 20	6 27	0 32	10 38	1 51	32 49	8 56	1 52	1 47	3 58		n.a.
S 27	4 16	16 9	4 20	7 17	2 53	17 25	2 2	16 26	0 30	12 23	0 31	8 53	2 20	6 26	0 32	10 37	1 51	32 49	8 56	1 53	1 48	3 56		n.a.
S 28	3 52	13 16	3 25	7 27	2 51	17 22	1 53	16 29	0 28	12 27	0 31	8 50	2 20	6 26	0 32	10 37	1 51	32 49	8 55	1 53	1 49	3 54		n.a.
M29	3 28	9 28	2 15	7 33	2 48	17 19	1 44	16 32	0 26	12 31	0 31	8 47	2 21	6 25	0 32	10 36	1 51	32 48	8 55	1 53	1 51	3 52		n.a.
T 30	3n 3	4n59	0s54	7s35	2s44	17n15	1s35	16n35	0s24	12s35	0n30	8n45	2n21	6n24	0s32	10n35	1n51	32s48	8s55	1n53	1n52	3s51		n.a.

Julian Day Number = 1111333.5, Delta T = 10h52m05s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'52, Lahiri = -26°59'51 Julian Calendar 1 Sept. 1671 BCE == Greg. Calendar 18 Aug. 1671 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

OCTOBER 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 39 46	23♍26'31	0♎45	12°R42	8♌ 9	16♉ 9	4♏ 8	13♍39	17°R12	7♍39	29♐55	25°D20	25♍20	19♓18	n.a.	W 1
T 2	23 43 43	24°27'12	15°52	12♎39	8°59	16°10	4°20	13°46	17♈ 9	7°41	29°55	25♍20	25°17	19°25	n.a.	T 2
F 3	23 47 40	25°27'53	0♏44	12°27	9°50	16°R11	4°32	13°53	17° 7	7°44	29°55	25°R20	25°14	19°32	n.a.	F 3
S 4	23 51 36	26°28'37	15°13	12° 5	10°42	16°10	4°45	14° 0	17° 5	7°46	29°55	25°20	25°10	19°38	n.a.	S 4
S 5	23 55 33	27°29'22	29°17	11°32	11°34	16° 9	4°57	14° 7	17° 2	7°48	29°55	25°20	25° 7	19°45	n.a.	S 5
M 6	23 59 29	28°30'08	12♐53	10°49	12°27	16° 8	5° 9	14°14	17° 0	7°50	29°56	25°20	25° 4	19°52	n.a.	M 6
T 7	0 3 26	29°30'55	26° 3	9°56	13°21	16° 5	5°22	14°21	16°58	7°52	29°56	25°D20	25° 1	19°58	n.a.	T 7
W 8	0 7 22	0♎31'44	8♑50	8°54	14°15	16° 1	5°34	14°28	16°55	7°54	29°56	25°20	24°58	20° 5	n.a.	W 8
T 9	0 11 19	1°32'33	21°17	7°44	15°11	15°57	5°47	14°35	16°53	7°56	29°56	25°20	24°55	20°12	n.a.	T 9
F 10	0 15 15	2°33'24	3♒28	6°27	16° 6	15°52	5°59	14°42	16°50	7°59	29°57	25°21	24°51	20°18	n.a.	F 10
S 11	0 19 12	3°34'16	15°28	5° 7	17° 3	15°45	6°12	14°49	16°48	8° 1	29°57	25°22	24°48	20°25	n.a.	S 11
S 12	0 23 9	4°35'10	27°21	3°45	17°59	15°38	6°25	14°56	16°45	8° 3	29°57	25°23	24°45	20°32	n.a.	S 12
M13	0 27 5	5°36'04	9♓ 9	2°24	18°57	15°31	6°38	15° 2	16°43	8° 5	29°58	25°23	24°42	20°38	n.a.	M13
T 14	0 31 2	6°37'00	20°57	1° 8	19°55	15°22	6°50	15° 9	16°40	8° 7	29°58	25°R24	24°39	20°45	n.a.	T 14
W15	0 34 58	7°37'57	2♈46	29♍58	20°54	15°12	7° 3	15°16	16°38	8° 9	29°59	25°24	24°36	20°51	n.a.	W15
T 16	0 38 55	8°38'55	14°38	28°56	21°53	15° 2	7°16	15°23	16°35	8°11	29°59	25°23	24°32	20°58	n.a.	T 16
F 17	0 42 51	9°39'54	26°36	28° 5	22°52	14°51	7°29	15°29	16°33	8°13	29°59	25°22	24°29	21° 5	n.a.	F 17
S 18	0 46 48	10°40'55	8♉42	27°24	23°52	14°39	7°42	15°36	16°30	8°15	0♑ 0	25°19	24°26	21°11	n.a.	S 18
S 19	0 50 44	11°41'56	20°57	26°56	24°53	14°26	7°55	15°43	16°28	8°17	0° 1	25°17	24°23	21°18	n.a.	S 19
M20	0 54 41	12°43'00	3♊24	26°38	25°54	14°12	8° 9	15°49	16°25	8°19	0° 1	25°14	24°20	21°25	n.a.	M20
T 21	0 58 38	13°44'04	16° 4	26°D32	26°55	13°58	8°22	15°56	16°23	8°21	0° 2	25°12	24°16	21°31	n.a.	T 21
W22	1 2 34	14°45'10	29° 0	26°37	27°57	13°43	8°35	16° 2	16°20	8°22	0° 2	25°10	24°13	21°38	n.a.	W22
T 23	1 6 31	15°46'17	12♋15	26°52	28°59	13°27	8°48	16° 9	16°18	8°24	0° 3	25°D 9	24°10	21°45	n.a.	T 23
F 24	1 10 27	16°47'26	25°50	27°15	0♍ 2	13°10	9° 2	16°15	16°15	8°26	0° 4	25° 9	24° 7	21°51	n.a.	F 24
S 25	1 14 24	17°48'36	9♌47	27°47	1° 5	12°52	9°15	16°22	16°13	8°28	0° 4	25°11	24° 4	21°58	n.a.	S 25
S 26	1 18 20	18°49'46	24° 6	28°26	2° 8	12°34	9°28	16°28	16°10	8°30	0° 5	25°12	24° 1	22° 5	n.a.	S 26
M27	1 22 17	19°50'58	8♍44	29°12	3°12	12°16	9°42	16°34	16° 7	8°32	0° 6	25°13	23°57	22°11	n.a.	M27
T 28	1 26 13	20°52'11	23°38	0♎ 4	4°16	11°56	9°55	16°41	16° 5	8°33	0° 7	25°R14	23°54	22°18	n.a.	T 28
W29	1 30 10	21°53'25	8♎41	1° 0	5°20	11°36	10° 9	16°47	16° 2	8°35	0° 8	25°14	23°51	22°25	n.a.	W29
T 30	1 34 7	22°54'40	23°44	2° 2	6°25	11°15	10°22	16°53	16° 0	8°37	0° 8	25°12	23°48	22°31	n.a.	T 30
F 31	1 38 3	23♎55'55	8♏38	3♎ 6	7♍30	10♉54	10♏36	16♍59	15♈57	8♍39	0♑ 9	25♍ 8	23♍45	22♓38	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	2n39	0n 9	0n30	7s32	2s39	17n10	1s27	16n37	0s22	12s40	0n30	8n42	2n21	6n23	0s32	10n34	1n51	32s48	8s55	1n53	1n53	3s49			n.a.
T 2	2 15	4s38	1 52	7 25	2 32	17 5	1 18	16 40	0 20	12 44	0 30	8 39	2 21	6 22	0 32	10 33	1 51	32 48	8 55	1 53	1 55	3 47			n.a.
F 3	1 50	9 4	3 5	7 12	2 23	16 59	1 10	16 42	0 18	12 48	0 30	8 37	2 21	6 21	0 32	10 33	1 51	32 48	8 55	1 53	1 56	3 45			n.a.
S 4	1 26	12 49	4 4	6 54	2 13	16 53	1 2	16 43	0 16	12 53	0 30	8 34	2 21	6 20	0 32	10 32	1 51	32 48	8 54	1 53	1 57	3 43			n.a.
S 5	1 1	15 43	4 46	6 30	2 1	16 46	0 54	16 45	0 14	12 57	0 30	8 31	2 21	6 19	0 32	10 31	1 51	32 47	8 54	1 53	1 58	3 41			n.a.
M 6	0 36	17 38	5 11	6 0	1 47	16 38	0 47	16 46	0 12	13 1	0 29	8 29	2 21	6 18	0 32	10 30	1 51	32 47	8 54	1 53	2 0	3 39			n.a.
T 7	0 12	18 31	5 18	5 25	1 32	16 30	0 39	16 48	0 10	13 6	0 29	8 26	2 21	6 18	0 32	10 29	1 51	32 47	8 54	1 53	2 1	3 38			n.a.
W 8	0s13	18 26	5 10	4 44	1 15	16 21	0 32	16 49	0 8	13 10	0 29	8 23	2 21	6 17	0 32	10 29	1 51	32 47	8 54	1 53	2 2	3 36			n.a.
T 9	0 37	17 27	4 46	3 59	0 56	16 12	0 24	16 49	0 6	13 14	0 29	8 21	2 21	6 16	0 32	10 28	1 51	32 47	8 53	1 53	2 4	3 34			n.a.
F 10	1 2	15 41	4 11	3 10	0 36	16 2	0 17	16 50	0 4	13 19	0 29	8 18	2 21	6 15	0 32	10 27	1 51	32 47	8 53	1 53	2 5	3 32			n.a.
S 11	1 27	13 15	3 24	2 19	0 16	15 51	0 10	16 50	0 2	13 23	0 29	8 15	2 21	6 14	0 32	10 26	1 51	32 46	8 53	1 53	2 6	3 30			n.a.
S 12	1 51	10 17	2 30	1 27	0n 5	15 40	0 4	16 50	0n 0	13 28	0 29	8 13	2 21	6 13	0 32	10 26	1 51	32 46	8 53	1 52	2 7	3 28			n.a.
M13	2 16	6 55	1 29	0 35	0 25	15 28	0n 3	16 50	0 3	13 32	0 28	8 10	2 21	6 12	0 32	10 25	1 52	32 46	8 53	1 52	2 9	3 27			n.a.
T 14	2 40	3 17	0 25	0n14	0 45	15 16	0 9	16 50	0 5	13 36	0 28	8 7	2 22	6 11	0 32	10 24	1 52	32 46	8 53	1 52	2 10	3 25			n.a.
W15	3 5	0n30	0s41	0 59	1 4	15 3	0 16	16 49	0 7	13 41	0 28	8 5	2 22	6 10	0 32	10 23	1 52	32 46	8 52	1 52	2 11	3 23			n.a.
T 16	3 29	4 16	1 45	1 40	1 21	14 49	0 22	16 48	0 10	13 45	0 28	8 2	2 22	6 9	0 32	10 23	1 52	32 45	8 52	1 52	2 13	3 21			n.a.
F 17	3 54	7 54	2 45	2 15	1 36	14 35	0 28	16 47	0 12	13 50	0 28	8 0	2 22	6 8	0 32	10 22	1 52	32 45	8 52	1 53	2 14	3 19			n.a.
S 18	4 18	11 14	3 38	2 43	1 50	14 20	0 34	16 46	0 14	13 54	0 28	7 57	2 22	6 7	0 32	10 21	1 52	32 45	8 52	1 54	2 15	3 17			n.a.
S 19	4 43	14 8	4 21	3 5	2 1	14 5	0 39	16 44	0 17	13 59	0 28	7 55	2 22	6 6	0 32	10 20	1 52	32 45	8 52	1 55	2 16	3 15			n.a.
M20	5 7	16 25	4 54	3 21	2 11	13 49	0 45	16 42	0 19	14 3	0 27	7 52	2 22	6 5	0 32	10 20	1 52	32 45	8 52	1 56	2 18	3 14			n.a.
T 21	5 31	17 58	5 12	3 31	2 18	13 33	0 50	16 40	0 22	14 8	0 27	7 50	2 22	6 4	0 32	10 19	1 52	32 45	8 51	1 57	2 19	3 12			n.a.
W22	5 55	18 38	5 15	3 34	2 24	13 16	0 55	16 38	0 24	14 12	0 27	7 47	2 22	6 3	0 32	10 18	1 52	32 44	8 51	1 57	2 20	3 10			n.a.
T 23	6 19	18 18	5 2	3 32	2 29	12 59	1 0	16 36	0 27	14 16	0 27	7 45	2 23	6 2	0 32	10 18	1 52	32 44	8 51	1 58	2 21	3 8			n.a.
F 24	6 43	16 55	4 32	3 25	2 31	12 41	1 5	16 33	0 29	14 21	0 27	7 42	2 23	6 1	0 32	10 17	1 52	32 44	8 51	1 58	2 23	3 6			n.a.
S 25	7 7	14 31	3 45	3 14	2 33	12 23	1 10	16 30	0 32	14 25	0 27	7 40	2 23	6 0	0 32	10 16	1 52	32 44	8 51	1 57	2 24	3 4			n.a.
S 26	7 31	11 10	2 43	2 58	2 33	12 4	1 14	16 27	0 34	14 30	0 27	7 37	2 23	5 59	0 32	10 16	1 52	32 44	8 51	1 57	2 25	3 2			n.a.
M27	7 54	7 4	1 30	2 39	2 32	11 45	1 19	16 23	0 37	14 34	0 27	7 35	2 23	5 58	0 32	10 15	1 52	32 44	8 50	1 56	2 27	3 1			n.a.
T 28	8 18	2 26	0 9	2 16	2 31	11 25	1 23	16 19	0 39	14 39	0 26	7 33	2 23	5 57	0 32	10 14	1 52	32 43	8 50	1 56	2 28	2 59			n.a.
W29	8 41	2s23	1n13	1 51	2 28	11 5	1 27	16 16	0 42	14 43	0 26	7 30	2 23	5 56	0 32	10 14	1 52	32 43	8 50	1 56	2 29	2 57			n.a.
T 30	9 4	7 3	2 30	1 23	2 25	10 44	1 31	16 12	0 45	14 48	0 26	7 28	2 23	5 55	0 32	10 13	1 52	32 43	8 50	1 57	2 30	2 55			n.a.
F 31	9s27	11s14	3n36	0n54	2n21	10n23	1n35	16n 7	0n47	14s52	0n26	7n26	2n24	5n54	0s32	10n13	1n52	32s43	8s50	1n58	2n32	2s53			n.a.

Julian Day Number = 1111363.5, Delta T = 10h52m03s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'48, Lahiri = -26°59'47 Julian Calendar 1 Oct. 1671 BCE == Greg. Calendar 17 Sept. 1671 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

NOVEMBER 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 42 0	24♎57'11	23♏15	4♎15	8♍35	10°R33	10♏50	17♍ 5	15°R55	8♍40	0♑10	25°R 4	23♍41	22♓44	n.a.	S 1
S 2	1 45 56	25°58'28	7♐28	5°26	9°41	10♉10	11° 3	17°11	15♈52	8°42	0°11	24♍59	23°38	22°51	n.a.	S 2
M 3	1 49 53	26°59'45	21°15	6°40	10°47	9°48	11°17	17°17	15°50	8°44	0°12	24°54	23°35	22°58	n.a.	M 3
T 4	1 53 49	28° 1'02	4♑33	7°56	11°53	9°25	11°31	17°23	15°47	8°45	0°13	24°51	23°32	23° 4	n.a.	T 4
W 5	1 57 46	29° 2'20	17°25	9°14	12°59	9° 2	11°44	17°29	15°45	8°47	0°14	24°48	23°29	23°11	n.a.	W 5
T 6	2 1 42	0♏ 3'37	29°55	10°33	14° 6	8°39	11°58	17°35	15°42	8°49	0°15	24°D47	23°26	23°18	n.a.	T 6
F 7	2 5 39	1° 4'55	12♒ 6	11°54	15°13	8°15	12°12	17°41	15°40	8°50	0°16	24°48	23°22	23°24	n.a.	F 7
S 8	2 9 36	2° 6'13	24° 4	13°17	16°20	7°51	12°25	17°47	15°38	8°52	0°17	24°50	23°19	23°31	n.a.	S 8
S 9	2 13 32	3° 7'31	5♓54	14°40	17°27	7°27	12°39	17°52	15°35	8°53	0°18	24°51	23°16	23°38	n.a.	S 9
M10	2 17 29	4° 8'49	17°40	16° 4	18°34	7° 3	12°53	17°58	15°33	8°55	0°19	24°53	23°13	23°44	n.a.	M10
T 11	2 21 25	5°10'07	29°27	17°30	19°42	6°39	13° 7	18° 3	15°30	8°56	0°20	24°R53	23°10	23°51	n.a.	T 11
W12	2 25 22	6°11'25	11♈20	18°56	20°50	6°15	13°21	18° 9	15°28	8°57	0°21	24°51	23° 7	23°58	n.a.	W12
T 13	2 29 18	7°12'43	23°19	20°23	21°58	5°52	13°35	18°14	15°26	8°59	0°23	24°48	23° 3	24° 4	n.a.	T 13
F 14	2 33 15	8°14'02	5♉29	21°50	23° 7	5°28	13°48	18°20	15°23	9° 0	0°24	24°42	23° 0	24°11	n.a.	F 14
S 15	2 37 11	9°15'20	17°49	23°18	24°15	5° 4	14° 2	18°25	15°21	9° 2	0°25	24°34	22°57	24°17	n.a.	S 15
S 16	2 41 8	10°16'38	0♊21	24°47	25°24	4°41	14°16	18°30	15°19	9° 3	0°26	24°26	22°54	24°24	n.a.	S 16
M17	2 45 5	11°17'57	13° 5	26°16	26°33	4°18	14°30	18°36	15°17	9° 4	0°27	24°17	22°51	24°31	n.a.	M17
T 18	2 49 1	12°19'16	26° 1	27°45	27°42	3°55	14°44	18°41	15°15	9° 5	0°29	24° 9	22°47	24°37	n.a.	T 18
W19	2 52 58	13°20'35	9♋10	29°15	28°51	3°33	14°58	18°46	15°12	9° 7	0°30	24° 2	22°44	24°44	n.a.	W19
T 20	2 56 54	14°21'54	22°31	0♏45	0♎ 0	3°11	15°12	18°51	15°10	9° 8	0°31	23°57	22°41	24°51	n.a.	T 20
F 21	3 0 51	15°23'13	6♌ 6	2°16	1°10	2°49	15°26	18°56	15° 8	9° 9	0°33	23°55	22°38	24°57	n.a.	F 21
S 22	3 4 47	16°24'32	19°54	3°47	2°20	2°28	15°40	19° 1	15° 6	9°10	0°34	23°D55	22°35	25° 4	n.a.	S 22
S 23	3 8 44	17°25'51	3♍57	5°19	3°29	2° 7	15°54	19° 5	15° 4	9°11	0°35	23°55	22°32	25°11	n.a.	S 23
M24	3 12 41	18°27'11	18°14	6°51	4°39	1°47	16° 8	19°10	15° 2	9°12	0°37	23°R56	22°28	25°17	n.a.	M24
T 25	3 16 37	19°28'30	2♎43	8°23	5°49	1°28	16°21	19°15	15° 0	9°13	0°38	23°56	22°25	25°24	n.a.	T 25
W26	3 20 34	20°29'49	17°21	9°56	7° 0	1° 9	16°35	19°19	14°58	9°14	0°39	23°54	22°22	25°31	n.a.	W26
T 27	3 24 30	21°31'08	2♏ 2	11°29	8°10	0°51	16°49	19°24	14°56	9°15	0°41	23°49	22°19	25°37	n.a.	T 27
F 28	3 28 27	22°32'26	16°40	13° 2	9°21	0°33	17° 3	19°28	14°54	9°16	0°42	23°41	22°16	25°44	n.a.	F 28
S 29	3 32 23	23°33'45	1♐ 7	14°36	10°31	0°16	17°17	19°33	14°52	9°17	0°44	23°32	22°13	25°51	n.a.	S 29
S 30	3 36 20	24♏35'02	15♐17	16♏10	11♎42	29♈59	17♏31	19♍37	14♈51	9♍18	0♑45	23♍21	22♍ 9	25♓57	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s50	14s38	4n27	0n22	2n17	10n 1	1n39	16n 3	0n50	14s56	0n26	7n23	2n24	5n53	0s32	10n12	1n52	32s43	8s50	2n 0	2n33	2s51		n.a.
S 2	10 13	17 3	4 59	0s11	2 12	9 39	1 42	15 58	0 52	15 1	0 26	7 21	2 24	5 52	0 32	10 11	1 52	32 43	8 49	2 2	2 34	2 49		n.a.
M 3	10 35	18 24	5 13	0 46	2 6	9 17	1 46	15 53	0 55	15 5	0 26	7 19	2 24	5 51	0 32	10 11	1 52	32 43	8 49	2 4	2 36	2 48		n.a.
T 4	10 58	18 40	5 9	1 21	2 1	8 54	1 49	15 48	0 57	15 10	0 26	7 17	2 24	5 50	0 32	10 10	1 52	32 42	8 49	2 5	2 37	2 46		n.a.
W 5	11 20	17 57	4 49	1 58	1 55	8 31	1 52	15 43	1 0	15 14	0 25	7 14	2 24	5 49	0 32	10 10	1 53	32 42	8 49	2 6	2 38	2 44		n.a.
T 6	11 42	16 22	4 16	2 36	1 49	8 8	1 55	15 38	1 2	15 19	0 25	7 12	2 25	5 48	0 32	10 9	1 53	32 42	8 49	2 6	2 39	2 42		n.a.
F 7	12 4	14 5	3 33	3 14	1 42	7 44	1 58	15 32	1 5	15 23	0 25	7 10	2 25	5 47	0 32	10 8	1 53	32 42	8 49	2 6	2 41	2 40		n.a.
S 8	12 26	11 14	2 40	3 52	1 36	7 20	2 0	15 27	1 7	15 27	0 25	7 8	2 25	5 47	0 32	10 8	1 53	32 42	8 49	2 6	2 42	2 38		n.a.
S 9	12 47	7 57	1 42	4 31	1 29	6 55	2 3	15 21	1 9	15 32	0 25	7 6	2 25	5 46	0 32	10 7	1 53	32 42	8 48	2 5	2 43	2 36		n.a.
M10	13 8	4 22	0 39	5 11	1 22	6 31	2 5	15 15	1 12	15 36	0 25	7 4	2 25	5 45	0 32	10 7	1 53	32 42	8 48	2 4	2 45	2 34		n.a.
T 11	13 29	0 36	0s25	5 50	1 15	6 6	2 7	15 9	1 14	15 40	0 25	7 2	2 25	5 44	0 32	10 6	1 53	32 41	8 48	2 4	2 46	2 33		n.a.
W12	13 50	3n13	1 28	6 30	1 8	5 40	2 9	15 3	1 16	15 45	0 25	7 0	2 26	5 43	0 32	10 6	1 53	32 41	8 48	2 5	2 47	2 31		n.a.
T 13	14 10	6 56	2 28	7 10	1 1	5 15	2 11	14 57	1 19	15 49	0 25	6 58	2 26	5 42	0 32	10 5	1 53	32 41	8 48	2 6	2 48	2 29		n.a.
F 14	14 31	10 25	3 22	7 50	0 54	4 49	2 13	14 51	1 21	15 53	0 24	6 56	2 26	5 41	0 32	10 5	1 53	32 41	8 48	2 9	2 50	2 27		n.a.
S 15	14 51	13 30	4 7	8 30	0 47	4 23	2 15	14 45	1 23	15 58	0 24	6 54	2 26	5 40	0 32	10 5	1 53	32 41	8 48	2 12	2 51	2 25		n.a.
S 16	15 11	16 1	4 41	9 10	0 39	3 56	2 16	14 39	1 25	16 2	0 24	6 52	2 26	5 39	0 32	10 4	1 53	32 41	8 48	2 15	2 52	2 23		n.a.
M17	15 30	17 48	5 2	9 49	0 32	3 30	2 18	14 33	1 27	16 6	0 24	6 50	2 27	5 38	0 32	10 4	1 53	32 41	8 47	2 19	2 53	2 21		n.a.
T 18	15 49	18 42	5 8	10 29	0 25	3 3	2 19	14 27	1 29	16 11	0 24	6 48	2 27	5 38	0 32	10 3	1 53	32 40	8 47	2 22	2 55	2 20		n.a.
W19	16 8	18 37	4 57	11 8	0 18	2 36	2 20	14 21	1 31	16 15	0 24	6 46	2 27	5 37	0 32	10 3	1 53	32 40	8 47	2 25	2 56	2 18		n.a.
T 20	16 27	17 31	4 31	11 47	0 11	2 9	2 21	14 15	1 33	16 19	0 24	6 44	2 27	5 36	0 31	10 2	1 53	32 40	8 47	2 27	2 57	2 16		n.a.
F 21	16 45	15 25	3 49	12 25	0 4	1 42	2 22	14 10	1 35	16 23	0 24	6 43	2 27	5 35	0 31	10 2	1 53	32 40	8 47	2 28	2 59	2 14		n.a.
S 22	17 3	12 23	2 53	13 3	0s 3	1 14	2 23	14 4	1 37	16 28	0 24	6 41	2 28	5 34	0 31	10 2	1 54	32 40	8 47	2 28	3 0	2 12		n.a.
S 23	17 21	8 37	1 45	13 41	0 10	0 46	2 23	13 58	1 39	16 32	0 23	6 39	2 28	5 34	0 31	10 1	1 54	32 40	8 47	2 27	3 1	2 10		n.a.
M24	17 38	4 16	0 31	14 18	0 16	0 19	2 24	13 53	1 40	16 36	0 23	6 38	2 28	5 33	0 31	10 1	1 54	32 40	8 47	2 27	3 2	2 8		n.a.
T 25	17 56	0s23	0n47	14 55	0 23	0s 9	2 24	13 47	1 42	16 40	0 23	6 36	2 28	5 32	0 31	10 1	1 54	32 40	8 47	2 27	3 4	2 6		n.a.
W26	18 12	5 3	2 2	15 32	0 29	0 37	2 25	13 42	1 43	16 44	0 23	6 34	2 28	5 31	0 31	10 0	1 54	32 40	8 47	2 28	3 5	2 5		n.a.
T 27	18 29	9 27	3 9	16 7	0 36	1 5	2 25	13 37	1 45	16 48	0 23	6 33	2 29	5 31	0 31	10 0	1 54	32 40	8 46	2 30	3 6	2 3		n.a.
F 28	18 45	13 14	4 4	16 42	0 42	1 33	2 25	13 32	1 46	16 53	0 23	6 31	2 29	5 30	0 31	10 0	1 54	32 39	8 46	2 33	3 8	2 1		n.a.
S 29	19 1	16 10	4 42	17 17	0 48	2 1	2 25	13 27	1 48	16 57	0 23	6 30	2 29	5 29	0 31	9 59	1 54	32 39	8 46	2 37	3 9	1 59		n.a.
S 30	19s16	18s 4	5n 1	17s51	0s54	2s30	2n25	13n23	1n49	17s 1	0n23	6n28	2n29	5n29	0s31	9n59	1n54	32s39	8s46	2n41	3n10	1s57		n.a.

Julian Day Number = 1111394.5, Delta T = 10h52m01s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'44, Lahiri = -26°59'43 Julian Calendar 1 Nov. 1671 BCE == Greg. Calendar 18 Oct. 1671 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1671 BCE
geocentric

DECEMBER 1671 BCE (-1670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 40 17	25♏36'19	29♐ 4	17♏45	12♎53	29°R45	17♏45	19♍41	14°R49	9♍19	0♉47	23°R11	22♍ 6	26♓ 4	n.a.	M 1
T 2	3 44 13	26°37'35	12♉26	19°20	14° 3	29♈30	17°59	19°45	14♈47	9°20	0°48	23♍ 1	22° 3	26°10	n.a.	T 2
W 3	3 48 10	27°38'51	25°22	20°56	15°14	29°16	18°13	19°49	14°45	9°21	0°50	22°54	22° 0	26°17	n.a.	W 3
T 4	3 52 6	28°40'05	7♒55	22°32	16°25	29° 3	18°26	19°53	14°44	9°21	0°51	22°50	21°57	26°24	n.a.	T 4
F 5	3 56 3	29°41'18	20° 9	24° 9	17°37	28°50	18°40	19°57	14°42	9°22	0°53	22°47	21°53	26°30	n.a.	F 5
S 6	3 59 59	0♐42'31	2♓ 9	25°46	18°48	28°39	18°54	20° 1	14°41	9°23	0°54	22°D47	21°50	26°37	n.a.	S 6
S 7	4 3 56	1°43'42	13°59	27°24	19°59	28°28	19° 8	20° 4	14°39	9°23	0°56	22°47	21°47	26°44	n.a.	S 7
M 8	4 7 52	2°44'52	25°46	29° 2	21°11	28°18	19°22	20° 8	14°38	9°24	0°58	22°R48	21°44	26°50	n.a.	M 8
T 9	4 11 49	3°46'01	7♈34	0♐41	22°22	28° 9	19°35	20°11	14°36	9°25	0°59	22°46	21°41	26°57	n.a.	T 9
W10	4 15 46	4°47'08	19°30	2°20	23°34	28° 1	19°49	20°15	14°35	9°25	1° 1	22°43	21°38	27° 4	n.a.	W10
T 11	4 19 42	5°48'15	1♉36	4° 0	24°45	27°53	20° 3	20°18	14°33	9°26	1° 2	22°37	21°34	27°10	n.a.	T 11
F 12	4 23 39	6°49'21	13°56	5°41	25°57	27°47	20°16	20°21	14°32	9°26	1° 4	22°28	21°31	27°17	n.a.	F 12
S 13	4 27 35	7°50'25	26°31	7°22	27° 9	27°41	20°30	20°25	14°31	9°27	1° 6	22°17	21°28	27°24	n.a.	S 13
S 14	4 31 32	8°51'28	9♊22	9° 3	28°21	27°36	20°44	20°28	14°30	9°27	1° 7	22° 4	21°25	27°30	n.a.	S 14
M15	4 35 28	9°52'31	22°28	10°46	29°32	27°32	20°57	20°31	14°28	9°27	1° 9	21°51	21°22	27°37	n.a.	M15
T 16	4 39 25	10°53'32	5♋48	12°29	0♏44	27°28	21°11	20°33	14°27	9°28	1°11	21°38	21°19	27°44	n.a.	T 16
W17	4 43 22	11°54'32	19°20	14°12	1°56	27°26	21°24	20°36	14°26	9°28	1°12	21°28	21°15	27°50	n.a.	W17
T 18	4 47 18	12°55'31	3♌ 0	15°56	3° 8	27°24	21°38	20°39	14°25	9°28	1°14	21°20	21°12	27°57	n.a.	T 18
F 19	4 51 15	13°56'29	16°48	17°41	4°21	27°23	21°51	20°42	14°24	9°29	1°16	21°15	21° 9	28° 3	n.a.	F 19
S 20	4 55 11	14°57'26	0♍42	19°27	5°33	27°D22	22° 5	20°44	14°23	9°29	1°17	21°13	21° 6	28°10	n.a.	S 20
S 21	4 59 8	15°58'22	14°42	21°12	6°45	27°23	22°18	20°46	14°23	9°29	1°19	21°12	21° 3	28°17	n.a.	S 21
M22	5 3 4	16°59'17	28°47	22°59	7°57	27°24	22°31	20°49	14°22	9°29	1°21	21°12	20°59	28°23	n.a.	M22
T 23	5 7 1	18° 0'11	12♎57	24°46	9°10	27°26	22°45	20°51	14°21	9°29	1°23	21°11	20°56	28°30	n.a.	T 23
W24	5 10 57	19° 1'04	27°10	26°33	10°22	27°28	22°58	20°53	14°20	9°29	1°24	21° 8	20°53	28°37	n.a.	W24
T 25	5 14 54	20° 1'55	11♏24	28°20	11°34	27°31	23°11	20°55	14°20	9°29	1°26	21° 2	20°50	28°43	n.a.	T 25
F 26	5 18 51	21° 2'46	25°35	0♑ 8	12°47	27°36	23°24	20°57	14°19	9°R29	1°28	20°53	20°47	28°50	n.a.	F 26
S 27	5 22 47	22° 3'35	9♐38	1°55	13°59	27°40	23°37	20°59	14°18	9°29	1°30	20°41	20°44	28°57	n.a.	S 27
S 28	5 26 44	23° 4'22	23°28	3°43	15°12	27°46	23°50	21° 1	14°18	9°29	1°31	20°28	20°40	29° 3	n.a.	S 28
M29	5 30 40	24° 5'08	7♑ 2	5°30	16°25	27°52	24° 3	21° 2	14°17	9°29	1°33	20°15	20°37	29°10	n.a.	M29
T 30	5 34 37	25° 5'53	20°16	7°16	17°37	27°58	24°16	21° 4	14°17	9°29	1°35	20° 3	20°34	29°17	n.a.	T 30
W31	5 38 33	26♐ 6'36	3♒ 8	9♑ 2	18♏50	28♈ 6	24♏29	21♍ 5	14♈17	9♍29	1♉37	19♍53	20♍31	29♓23	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	19s31	18s50	5n 3	18s24	1s 0	2s58	2n24	13n18	1n50	17s 5	0n23	6n27	2n30	5n28	0s31	9n59	1n54	32s39	8s46	2n45	3n11	1s55			n.a.
T 2	19 46	18 32	4 47	18 56	1 5	3 26	2 24	13 14	1 52	17 9	0 23	6 25	2 30	5 27	0 31	9 59	1 54	32 39	8 46	2 49	3 13	1 53			n.a.
W 3	20 0	17 15	4 17	19 27	1 10	3 55	2 24	13 10	1 53	17 13	0 22	6 24	2 30	5 27	0 31	9 58	1 54	32 39	8 46	2 52	3 14	1 51			n.a.
T 4	20 14	15 9	3 36	19 58	1 16	4 23	2 23	13 6	1 54	17 17	0 22	6 22	2 30	5 26	0 31	9 58	1 54	32 39	8 46	2 54	3 15	1 49			n.a.
F 5	20 28	12 26	2 45	20 28	1 21	4 51	2 22	13 3	1 55	17 21	0 22	6 21	2 30	5 25	0 31	9 58	1 54	32 39	8 46	2 55	3 16	1 48			n.a.
S 6	20 41	9 14	1 48	20 56	1 25	5 19	2 22	13 0	1 56	17 25	0 22	6 20	2 31	5 25	0 31	9 58	1 54	32 39	8 46	2 55	3 18	1 46			n.a.
S 7	20 54	5 42	0 47	21 24	1 30	5 47	2 21	12 57	1 57	17 29	0 22	6 19	2 31	5 24	0 31	9 57	1 55	32 39	8 46	2 55	3 19	1 44			n.a.
M 8	21 6	1 57	0s16	21 51	1 34	6 16	2 20	12 54	1 58	17 33	0 22	6 17	2 31	5 24	0 31	9 57	1 55	32 39	8 46	2 55	3 20	1 42			n.a.
T 9	21 18	1n52	1 18	22 16	1 38	6 44	2 19	12 51	1 59	17 36	0 22	6 16	2 31	5 23	0 31	9 57	1 55	32 39	8 46	2 55	3 22	1 40			n.a.
W10	21 29	5 39	2 17	22 41	1 42	7 12	2 17	12 49	2 0	17 40	0 22	6 15	2 32	5 23	0 31	9 57	1 55	32 39	8 46	2 56	3 23	1 38			n.a.
T 11	21 41	9 16	3 11	23 4	1 45	7 39	2 16	12 47	2 0	17 44	0 22	6 14	2 32	5 22	0 31	9 57	1 55	32 38	8 46	2 59	3 24	1 36			n.a.
F 12	21 51	12 33	3 56	23 26	1 48	8 7	2 15	12 45	2 1	17 48	0 22	6 13	2 32	5 22	0 31	9 57	1 55	32 38	8 45	3 2	3 25	1 34			n.a.
S 13	22 2	15 20	4 32	23 46	1 51	8 35	2 13	12 44	2 2	17 52	0 21	6 12	2 32	5 21	0 31	9 57	1 55	32 38	8 45	3 7	3 27	1 33			n.a.
S 14	22 11	17 26	4 54	24 5	1 54	9 2	2 12	12 43	2 2	17 56	0 21	6 11	2 33	5 21	0 31	9 57	1 55	32 38	8 45	3 12	3 28	1 31			n.a.
M15	22 21	18 40	5 1	24 23	1 56	9 29	2 10	12 42	2 3	17 59	0 21	6 10	2 33	5 20	0 31	9 56	1 55	32 38	8 45	3 18	3 29	1 29			n.a.
T 16	22 30	18 54	4 52	24 39	1 57	9 57	2 8	12 41	2 4	18 3	0 21	6 9	2 33	5 20	0 31	9 56	1 55	32 38	8 45	3 23	3 30	1 27			n.a.
W17	22 38	18 4	4 27	24 54	1 59	10 23	2 7	12 40	2 4	18 7	0 21	6 8	2 34	5 19	0 31	9 56	1 55	32 38	8 45	3 27	3 32	1 25			n.a.
T 18	22 46	16 12	3 46	25 7	2 0	10 50	2 5	12 40	2 5	18 10	0 21	6 7	2 34	5 19	0 31	9 56	1 55	32 38	8 45	3 30	3 33	1 23			n.a.
F 19	22 54	13 22	2 51	25 18	2 0	11 17	2 3	12 40	2 5	18 14	0 21	6 6	2 34	5 19	0 31	9 56	1 55	32 38	8 45	3 32	3 34	1 21			n.a.
S 20	23 1	9 47	1 46	25 27	2 0	11 43	2 1	12 40	2 5	18 18	0 21	6 6	2 34	5 18	0 31	9 56	1 55	32 38	8 45	3 33	3 36	1 19			n.a.
S 21	23 8	5 36	0 34	25 35	1 59	12 9	1 59	12 41	2 6	18 21	0 21	6 5	2 35	5 18	0 31	9 56	1 56	32 38	8 45	3 33	3 37	1 17			n.a.
M22	23 14	1 6	0n40	25 40	1 58	12 35	1 57	12 42	2 6	18 25	0 21	6 4	2 35	5 18	0 31	9 56	1 56	32 38	8 45	3 33	3 38	1 16			n.a.
T 23	23 20	3s29	1 52	25 44	1 57	13 0	1 55	12 43	2 7	18 28	0 21	6 4	2 35	5 17	0 31	9 56	1 56	32 38	8 45	3 33	3 39	1 14			n.a.
W24	23 25	7 54	2 58	25 45	1 55	13 26	1 52	12 44	2 7	18 32	0 21	6 3	2 35	5 17	0 31	9 56	1 56	32 38	8 45	3 35	3 41	1 12			n.a.
T 25	23 30	11 51	3 52	25 45	1 52	13 51	1 50	12 45	2 7	18 35	0 20	6 2	2 36	5 17	0 30	9 56	1 56	32 38	8 45	3 37	3 42	1 10			n.a.
F 26	23 35	15 7	4 32	25 42	1 49	14 15	1 48	12 47	2 7	18 39	0 20	6 2	2 36	5 17	0 30	9 56	1 56	32 38	8 45	3 41	3 43	1 8			n.a.
S 27	23 39	17 27	4 55	25 37	1 45	14 40	1 45	12 49	2 8	18 42	0 20	6 1	2 36	5 17	0 30	9 57	1 56	32 38	8 45	3 46	3 44	1 6			n.a.
S 28	23 42	18 44	5 0	25 30	1 40	15 4	1 43	12 51	2 8	18 45	0 20	6 1	2 36	5 16	0 30	9 57	1 56	32 38	8 45	3 51	3 46	1 4			n.a.
M29	23 45	18 54	4 48	25 21	1 34	15 27	1 40	12 54	2 8	18 49	0 20	6 1	2 37	5 16	0 30	9 57	1 56	32 38	8 45	3 56	3 47	1 2			n.a.
T 30	23 48	18 2	4 20	25 9	1 28	15 50	1 38	12 56	2 8	18 52	0 20	6 0	2 37	5 16	0 30	9 57	1 56	32 38	8 45	4 1	3 48	1 0			n.a.
W31	23s50	16s15	3n40	24s55	1s21	16s13	1n35	12n59	2n 8	18s55	0n20	6n 0	2n37	5n16	0s30	9n57	1n56	32s38	8s45	4n 5	3n50	0s59			n.a.

Julian Day Number = 1111424.5, Delta T = 10h51m59s
Ecliptic obliquity = 23°53'12, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'40, Lahiri = -26°59'39 Julian Calendar 1 Dec. 1671 BCE == Greg. Calendar 17 Nov. 1671 BCE

The year -1670 astronomical counting style corresponds to year 1671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

JANUARY 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 42 30	27♐ 7'16	15♒40	10♑46	20♏ 2	28♈14	24♏42	21♍ 7	14°R16	9°R29	1♑38	19°R46	20♍28	29♓30	n.a.	T 1
F 2	5 46 26	28° 7'55	27°55	12°29	21°15	28°22	24°55	21° 8	14♈16	9♍28	1°40	19♍42	20°25	29°37	n.a.	F 2
S 3	5 50 23	29° 8'32	9♓55	14° 9	22°28	28°32	25° 8	21° 9	14°16	9°28	1°42	19°41	20°21	29°43	n.a.	S 3
S 4	5 54 20	0♑ 9'07	21°46	15°48	23°41	28°42	25°20	21°10	14°16	9°28	1°44	19°D40	20°18	29°50	n.a.	S 4
M 5	5 58 16	1° 9'40	3♈34	17°23	24°53	28°52	25°33	21°11	14°16	9°27	1°45	19°R40	20°15	29°56	n.a.	M 5
T 6	6 2 13	2°10'11	15°24	18°55	26° 6	29° 3	25°45	21°12	14°D16	9°27	1°47	19°40	20°12	0♈ 3	n.a.	T 6
W 7	6 6 9	3°10'39	27°20	20°23	27°19	29°15	25°58	21°12	14°16	9°27	1°49	19°37	20° 9	0°10	n.a.	W 7
T 8	6 10 6	4°11'06	9♉30	21°46	28°32	29°27	26°10	21°13	14°16	9°26	1°51	19°32	20° 5	0°16	n.a.	T 8
F 9	6 14 2	5°11'31	21°56	23° 3	29°44	29°39	26°23	21°13	14°16	9°26	1°52	19°25	20° 2	0°23	n.a.	F 9
S 10	6 17 59	6°11'54	4♊41	24°14	0♗57	29°53	26°35	21°14	14°16	9°25	1°54	19°15	19°59	0°30	n.a.	S 10
S 11	6 21 55	7°12'14	17°46	25°19	2°10	0♉ 6	26°47	21°14	14°16	9°25	1°56	19° 3	19°56	0°36	n.a.	S 11
M12	6 25 52	8°12'33	1♋12	26°16	3°23	0°20	26°59	21°14	14°17	9°24	1°58	18°51	19°53	0°43	n.a.	M12
T 13	6 29 49	9°12'50	14°55	27° 5	4°36	0°35	27°12	21°15	14°17	9°24	2° 0	18°39	19°50	0°50	n.a.	T 13
W14	6 33 45	10°13'04	28°53	27°46	5°49	0°50	27°24	21°R15	14°17	9°23	2° 1	18°29	19°46	0°56	n.a.	W14
T 15	6 37 42	11°13'17	13♌ 0	28°18	7° 2	1° 6	27°36	21°14	14°18	9°22	2° 3	18°22	19°43	1° 3	n.a.	T 15
F 16	6 41 38	12°13'28	27°13	28°40	8°15	1°22	27°47	21°14	14°18	9°22	2° 5	18°18	19°40	1°10	n.a.	F 16
S 17	6 45 35	13°13'38	11♍26	28°53	9°28	1°38	27°59	21°14	14°19	9°21	2° 7	18°16	19°37	1°16	n.a.	S 17
S 18	6 49 31	14°13'45	25°38	28°R56	10°41	1°55	28°11	21°14	14°20	9°20	2° 8	18°D16	19°34	1°23	n.a.	S 18
M19	6 53 28	15°13'51	9♎47	28°50	11°54	2°13	28°23	21°13	14°20	9°20	2°10	18°R17	19°30	1°30	n.a.	M19
T 20	6 57 24	16°13'55	23°51	28°34	13° 7	2°30	28°34	21°12	14°21	9°19	2°12	18°17	19°27	1°36	n.a.	T 20
W21	7 1 21	17°13'57	7♏50	28° 9	14°20	2°48	28°46	21°12	14°22	9°18	2°13	18°15	19°24	1°43	n.a.	W21
T 22	7 5 18	18°13'58	21°43	27°37	15°33	3° 7	28°57	21°11	14°22	9°17	2°15	18°10	19°21	1°49	n.a.	T 22
F 23	7 9 14	19°13'56	5♐28	26°57	16°46	3°26	29° 8	21°10	14°23	9°16	2°17	18° 4	19°18	1°56	n.a.	F 23
S 24	7 13 11	20°13'53	19° 4	26°10	17°59	3°45	29°19	21° 9	14°24	9°15	2°19	17°55	19°15	2° 3	n.a.	S 24
S 25	7 17 7	21°13'48	2♑28	25°19	19°12	4° 5	29°31	21° 8	14°25	9°14	2°20	17°45	19°11	2° 9	n.a.	S 25
M26	7 21 4	22°13'41	15°39	24°23	20°25	4°25	29°42	21° 7	14°26	9°13	2°22	17°35	19° 8	2°16	n.a.	M26
T 27	7 25 0	23°13'32	28°34	23°25	21°38	4°45	29°53	21° 6	14°27	9°12	2°24	17°26	19° 5	2°23	n.a.	T 27
W28	7 28 57	24°13'20	11♒13	22°26	22°51	5° 6	0♐ 3	21° 4	14°28	9°11	2°25	17°18	19° 2	2°29	n.a.	W28
T 29	7 32 53	25°13'07	23°37	21°27	24° 4	5°27	0°14	21° 3	14°30	9°10	2°27	17°13	18°59	2°36	n.a.	T 29
F 30	7 36 50	26°12'50	5♓47	20°30	25°18	5°49	0°25	21° 1	14°31	9° 9	2°29	17°10	18°56	2°43	n.a.	F 30
S 31	7 40 47	27♑12'32	17♓46	19♑34	26♐31	6♉10	0♐35	20♍59	14♈32	9♍ 8	2♑30	17°D 9	18♍52	2♈49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23s51	13s44	2n50	24s40	1s14	16s36	1n33	13n 2	2n 8	18s59	0n20	6n 0	2n38	5n16	0s30	9n57	1n56	32s38	8s45	4n 7	3n51	0s57			n.a.
F 2	23 52	10 40	1 53	24 22	1 5	16 58	1 30	13 5	2 8	19 2	0 20	5 59	2 38	5 16	0 30	9 57	1 56	32 38	8 46	4 9	3 52	0 55			n.a.
S 3	23 53	7 12	0 52	24 2	0 56	17 20	1 27	13 9	2 8	19 5	0 20	5 59	2 38	5 16	0 30	9 57	1 56	32 38	8 46	4 10	3 53	0 53			n.a.
S 4	23 53	3 30	0s11	23 41	0 45	17 41	1 24	13 12	2 8	19 8	0 20	5 59	2 38	5 16	0 30	9 58	1 57	32 38	8 46	4 10	3 55	0 51			n.a.
M 5	23 53	0n20	1 13	23 18	0 34	18 2	1 22	13 16	2 8	19 11	0 20	5 59	2 39	5 16	0 30	9 58	1 57	32 38	8 46	4 10	3 56	0 49			n.a.
T 6	23 52	4 9	2 12	22 54	0 23	18 22	1 19	13 20	2 8	19 15	0 19	5 59	2 39	5 16	0 30	9 58	1 57	32 38	8 46	4 10	3 57	0 47			n.a.
W 7	23 51	7 50	3 6	22 28	0 10	18 42	1 16	13 24	2 8	19 18	0 19	5 59	2 39	5 16	0 30	9 58	1 57	32 38	8 46	4 11	3 58	0 45			n.a.
T 8	23 49	11 16	3 52	22 2	0n 4	19 1	1 13	13 29	2 8	19 21	0 19	5 59	2 40	5 16	0 30	9 58	1 57	32 38	8 46	4 13	4 0	0 43			n.a.
F 9	23 47	14 16	4 28	21 35	0 18	19 20	1 10	13 33	2 8	19 24	0 19	5 59	2 40	5 16	0 30	9 59	1 57	32 38	8 46	4 16	4 1	0 41			n.a.
S 10	23 44	16 41	4 52	21 8	0 32	19 38	1 7	13 38	2 8	19 27	0 19	5 59	2 40	5 16	0 30	9 59	1 57	32 38	8 46	4 20	4 2	0 40			n.a.
S 11	23 41	18 18	5 2	20 42	0 48	19 56	1 4	13 43	2 8	19 30	0 19	5 59	2 40	5 16	0 30	9 59	1 57	32 38	8 46	4 25	4 4	0 38			n.a.
M12	23 38	18 58	4 55	20 15	1 3	20 13	1 1	13 48	2 8	19 33	0 19	5 59	2 41	5 16	0 30	9 59	1 57	32 38	8 46	4 30	4 5	0 36			n.a.
T 13	23 34	18 32	4 31	19 50	1 19	20 30	0 58	13 53	2 8	19 36	0 19	5 59	2 41	5 17	0 30	10 0	1 57	32 38	8 46	4 34	4 6	0 34			n.a.
W14	23 29	17 0	3 51	19 26	1 36	20 46	0 55	13 58	2 8	19 38	0 19	6 0	2 41	5 17	0 30	10 0	1 57	32 39	8 46	4 38	4 7	0 32			n.a.
T 15	23 24	14 25	2 56	19 4	1 52	21 2	0 52	14 4	2 8	19 41	0 19	6 0	2 41	5 17	0 30	10 0	1 57	32 39	8 46	4 41	4 9	0 30			n.a.
F 16	23 19	10 57	1 50	18 44	2 8	21 17	0 49	14 9	2 8	19 44	0 19	6 0	2 42	5 17	0 30	10 1	1 57	32 39	8 47	4 43	4 10	0 28			n.a.
S 17	23 13	6 51	0 36	18 25	2 24	21 32	0 46	14 15	2 8	19 47	0 19	6 1	2 42	5 17	0 30	10 1	1 57	32 39	8 47	4 43	4 11	0 26			n.a.
S 18	23 7	2 22	0n39	18 10	2 39	21 45	0 43	14 21	2 7	19 50	0 18	6 1	2 42	5 18	0 30	10 1	1 57	32 39	8 47	4 43	4 12	0 24			n.a.
M19	23 0	2s14	1 52	17 57	2 53	21 59	0 40	14 27	2 7	19 52	0 18	6 2	2 43	5 18	0 30	10 2	1 58	32 39	8 47	4 43	4 14	0 23			n.a.
T 20	22 53	6 40	2 58	17 47	3 7	22 11	0 37	14 33	2 7	19 55	0 18	6 2	2 43	5 18	0 30	10 2	1 58	32 39	8 47	4 43	4 15	0 21			n.a.
W21	22 45	10 43	3 53	17 40	3 19	22 23	0 34	14 39	2 7	19 58	0 18	6 3	2 43	5 19	0 30	10 2	1 58	32 39	8 47	4 44	4 16	0 19			n.a.
T 22	22 37	14 8	4 33	17 36	3 30	22 35	0 31	14 46	2 7	20 0	0 18	6 3	2 43	5 19	0 30	10 3	1 58	32 39	8 47	4 46	4 18	0 17			n.a.
F 23	22 29	16 44	4 58	17 35	3 39	22 45	0 28	14 52	2 7	20 3	0 18	6 4	2 44	5 19	0 30	10 3	1 58	32 39	8 47	4 48	4 19	0 15			n.a.
S 24	22 20	18 22	5 5	17 37	3 46	22 55	0 25	14 59	2 6	20 5	0 18	6 4	2 44	5 20	0 29	10 4	1 58	32 39	8 47	4 52	4 20	0 13			n.a.
S 25	22 11	18 57	4 55	17 41	3 51	23 5	0 22	15 5	2 6	20 8	0 18	6 5	2 44	5 20	0 29	10 4	1 58	32 39	8 48	4 56	4 21	0 11			n.a.
M26	22 1	18 29	4 30	17 48	3 55	23 14	0 19	15 12	2 6	20 10	0 18	6 6	2 44	5 21	0 29	10 4	1 58	32 39	8 48	5 0	4 23	0 9			n.a.
T 27	21 51	17 4	3 51	17 56	3 56	23 22	0 16	15 19	2 6	20 13	0 18	6 7	2 45	5 21	0 29	10 5	1 58	32 40	8 48	5 3	4 24	0 7			n.a.
W28	21 40	14 50	3 1	18 7	3 55	23 29	0 12	15 26	2 6	20 15	0 18	6 7	2 45	5 22	0 29	10 5	1 58	32 40	8 48	5 6	4 25	0 5			n.a.
T 29	21 29	11 58	2 3	18 19	3 52	23 36	0 9	15 33	2 5	20 18	0 18	6 8	2 45	5 22	0 29	10 6	1 58	32 40	8 48	5 9	4 26	0 3			n.a.
F 30	21 18	8 37	1 1	18 33	3 47	23 42	0 7	15 40	2 5	20 20	0 18	6 9	2 45	5 23	0 29	10 6	1 58	32 40	8 48	5 10	4 28	0 2			n.a.
S 31	21s 6	4s59	0s 3	18s47	3n41	23s47	0n 4	15n47	2n 5	20s22	0n17	6n10	2n46	5n23	0s29	10n 7	1n58	32s40	8s48	5n10	4n29	0n 0			n.a.

Julian Day Number = 1111455.5, Delta T = 10h51m57s
Ecliptic obliquity = 23°53'12, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'35, Lahiri = -26°59'35 Julian Calendar 1 Jan. 1670 BCE == Greg. Calendar 18 Dec. 1671 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

FEBRUARY 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 44 43	28♉12'11	29♓36	18°R43	27♐44	6♉33	0♐46	20°R58	14♈33	9°R 7	2♉32	17♍10	18♍49	2♈56	n.a.	S 1
M 2	7 48 40	29°11'48	11♈24	17♉56	28°57	6°55	0°56	20♍56	14°35	9♍ 6	2°34	17°11	18°46	3° 3	n.a.	M 2
T 3	7 52 36	0♒11'22	23°14	17°14	0♊10	7°18	1° 6	20°54	14°36	9° 5	2°35	17°12	18°43	3° 9	n.a.	T 3
W 4	7 56 33	1°10'54	5♉11	16°37	1°23	7°41	1°16	20°52	14°38	9° 4	2°37	17°R12	18°40	3°16	n.a.	W 4
T 5	8 0 29	2°10'23	17°20	16° 6	2°36	8° 4	1°26	20°50	14°39	9° 2	2°38	17°11	18°36	3°23	n.a.	T 5
F 6	8 4 26	3° 9'50	29°46	15°42	3°49	8°27	1°36	20°47	14°41	9° 1	2°40	17° 8	18°33	3°29	n.a.	F 6
S 7	8 8 22	4° 9'15	12♊33	15°23	5° 2	8°51	1°46	20°45	14°42	9° 0	2°41	17° 3	18°30	3°36	n.a.	S 7
S 8	8 12 19	5° 8'37	25°44	15°11	6°16	9°15	1°56	20°43	14°44	8°59	2°43	16°57	18°27	3°43	n.a.	S 8
M 9	8 16 15	6° 7'57	9♋20	15° 4	7°29	9°40	2° 5	20°40	14°46	8°57	2°45	16°50	18°24	3°49	n.a.	M 9
T 10	8 20 12	7° 7'14	23°18	15°D 4	8°42	10° 4	2°15	20°38	14°47	8°56	2°46	16°43	18°21	3°56	n.a.	T 10
W11	8 24 9	8° 6'29	7♌36	15° 9	9°55	10°29	2°24	20°35	14°49	8°55	2°48	16°38	18°17	4° 3	n.a.	W11
T 12	8 28 5	9° 5'42	22° 8	15°20	11° 8	10°54	2°33	20°32	14°51	8°53	2°49	16°34	18°14	4° 9	n.a.	T 12
F 13	8 32 2	10° 4'52	6♍47	15°36	12°21	11°19	2°43	20°30	14°53	8°52	2°50	16°32	18°11	4°16	n.a.	F 13
S 14	8 35 58	11° 4'01	21°26	15°57	13°35	11°45	2°52	20°27	14°55	8°51	2°52	16°D32	18° 8	4°22	n.a.	S 14
S 15	8 39 55	12° 3'07	6♎ 1	16°23	14°48	12°11	3° 0	20°24	14°57	8°49	2°53	16°33	18° 5	4°29	n.a.	S 15
M16	8 43 51	13° 2'12	20°27	16°54	16° 1	12°37	3° 9	20°21	14°59	8°48	2°55	16°34	18° 2	4°36	n.a.	M16
T 17	8 47 48	14° 1'15	4♏39	17°28	17°14	13° 3	3°18	20°18	15° 1	8°46	2°56	16°35	17°58	4°42	n.a.	T 17
W18	8 51 44	15° 0'15	18°38	18° 7	18°27	13°29	3°26	20°15	15° 3	8°45	2°58	16°R36	17°55	4°49	n.a.	W18
T 19	8 55 41	15°59'14	2♐22	18°50	19°40	13°56	3°35	20°11	15° 5	8°43	2°59	16°35	17°52	4°56	n.a.	T 19
F 20	8 59 37	16°58'11	15°51	19°36	20°54	14°23	3°43	20° 8	15° 7	8°42	3° 0	16°32	17°49	5° 2	n.a.	F 20
S 21	9 3 34	17°57'07	29° 6	20°25	22° 7	14°50	3°51	20° 5	15°10	8°40	3° 2	16°28	17°46	5° 9	n.a.	S 21
S 22	9 7 31	18°56'00	12♑ 7	21°18	23°20	15°17	3°59	20° 1	15°12	8°39	3° 3	16°24	17°42	5°16	n.a.	S 22
M23	9 11 27	19°54'51	24°55	22°14	24°33	15°44	4° 7	19°58	15°14	8°37	3° 4	16°20	17°39	5°22	n.a.	M23
T 24	9 15 24	20°53'40	7♒29	23°13	25°46	16°12	4°14	19°54	15°16	8°36	3° 6	16°16	17°36	5°29	n.a.	T 24
W25	9 19 20	21°52'27	19°51	24°14	27° 0	16°40	4°22	19°51	15°19	8°34	3° 7	16°13	17°33	5°36	n.a.	W25
T 26	9 23 17	22°51'12	2♓ 2	25°18	28°13	17° 8	4°29	19°47	15°21	8°33	3° 8	16°11	17°30	5°42	n.a.	T 26
F 27	9 27 13	23°49'54	14° 4	26°25	29°26	17°36	4°37	19°43	15°24	8°31	3° 9	16°D10	17°27	5°49	n.a.	F 27
S 28	9 31 10	24♒48'35	25♓58	27♉34	0♒39	18♉ 4	4♐44	19♍39	15♈26	8♍30	3♉11	16♍10	17♍23	5♈56	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	20s54	1s11	1s 7	19s 3	3n33	23s51	0n 1	15n54	2n 5	20s25	0n17	6n11	2n46	5n24	0s29	10n 7	1n58	32s40	8s49	5n10	4n30	0n 2			n.a.
M 2	20 42	2n39	2 7	19 18	3 23	23 55	0s 2	16 2	2 4	20 27	0 17	6 12	2 46	5 24	0 29	10 8	1 58	32 40	8 49	5 9	4 31	0 4			n.a.
T 3	20 29	6 22	3 3	19 35	3 12	23 58	0 5	16 9	2 4	20 29	0 17	6 13	2 46	5 25	0 29	10 8	1 58	32 40	8 49	5 9	4 33	0 6			n.a.
W 4	20 16	9 52	3 51	19 51	3 1	24 1	0 8	16 17	2 4	20 31	0 17	6 14	2 47	5 25	0 29	10 9	1 58	32 41	8 49	5 9	4 34	0 8			n.a.
T 5	20 3	13 1	4 29	20 7	2 48	24 3	0 11	16 24	2 4	20 33	0 17	6 15	2 47	5 26	0 29	10 9	1 58	32 41	8 49	5 9	4 35	0 10			n.a.
F 6	19 49	15 40	4 56	20 23	2 35	24 3	0 14	16 32	2 3	20 35	0 17	6 16	2 47	5 27	0 29	10 10	1 59	32 41	8 49	5 10	4 37	0 12			n.a.
S 7	19 35	17 37	5 9	20 38	2 21	24 4	0 16	16 39	2 3	20 38	0 17	6 17	2 47	5 27	0 29	10 10	1 59	32 41	8 50	5 12	4 38	0 14			n.a.
S 8	19 20	18 43	5 6	20 54	2 8	24 3	0 19	16 47	2 3	20 40	0 17	6 18	2 48	5 28	0 29	10 11	1 59	32 41	8 50	5 15	4 39	0 16			n.a.
M 9	19 5	18 47	4 47	21 8	1 54	24 2	0 22	16 55	2 3	20 42	0 17	6 20	2 48	5 29	0 29	10 11	1 59	32 41	8 50	5 18	4 40	0 17			n.a.
T 10	18 50	17 44	4 9	21 22	1 39	24 0	0 25	17 2	2 2	20 44	0 17	6 21	2 48	5 29	0 29	10 12	1 59	32 41	8 50	5 20	4 42	0 19			n.a.
W11	18 35	15 33	3 16	21 35	1 26	23 58	0 27	17 10	2 2	20 46	0 17	6 22	2 48	5 30	0 29	10 12	1 59	32 42	8 50	5 22	4 43	0 21			n.a.
T 12	18 19	12 22	2 9	21 48	1 12	23 54	0 30	17 18	2 2	20 48	0 17	6 23	2 48	5 31	0 29	10 13	1 59	32 42	8 50	5 24	4 44	0 23			n.a.
F 13	18 3	8 22	0 53	22 0	0 58	23 50	0 32	17 26	2 1	20 49	0 16	6 25	2 49	5 32	0 29	10 13	1 59	32 42	8 51	5 25	4 45	0 25			n.a.
S 14	17 47	3 52	0n27	22 10	0 45	23 45	0 35	17 34	2 1	20 51	0 16	6 26	2 49	5 32	0 29	10 14	1 59	32 42	8 51	5 25	4 47	0 27			n.a.
S 15	17 30	0s50	1 45	22 20	0 32	23 40	0 37	17 41	2 1	20 53	0 16	6 27	2 49	5 33	0 29	10 15	1 59	32 42	8 51	5 24	4 48	0 29			n.a.
M16	17 13	5 26	2 55	22 29	0 19	23 34	0 40	17 49	2 1	20 55	0 16	6 29	2 49	5 34	0 29	10 15	1 59	32 42	8 51	5 24	4 49	0 31			n.a.
T 17	16 56	9 39	3 53	22 37	0 7	23 27	0 42	17 57	2 0	20 57	0 16	6 30	2 49	5 35	0 29	10 16	1 59	32 43	8 51	5 23	4 50	0 33			n.a.
W18	16 38	13 15	4 37	22 43	0s 5	23 19	0 44	18 5	2 0	20 58	0 16	6 32	2 50	5 36	0 29	10 16	1 59	32 43	8 52	5 23	4 52	0 35			n.a.
T 19	16 20	16 4	5 4	22 49	0 17	23 11	0 47	18 13	2 0	21 0	0 16	6 33	2 50	5 37	0 29	10 17	1 59	32 43	8 52	5 24	4 53	0 37			n.a.
F 20	16 2	17 56	5 13	22 53	0 28	23 2	0 49	18 21	1 59	21 2	0 16	6 35	2 50	5 37	0 29	10 18	1 59	32 43	8 52	5 25	4 54	0 38			n.a.
S 21	15 44	18 47	5 6	22 56	0 38	22 52	0 51	18 29	1 59	21 3	0 16	6 36	2 50	5 38	0 29	10 18	1 59	32 43	8 52	5 26	4 55	0 40			n.a.
S 22	15 26	18 38	4 43	22 57	0 48	22 42	0 53	18 37	1 59	21 5	0 16	6 38	2 50	5 39	0 29	10 19	1 59	32 43	8 53	5 28	4 57	0 42			n.a.
M23	15 7	17 31	4 5	22 58	0 58	22 31	0 55	18 45	1 58	21 7	0 16	6 39	2 51	5 40	0 29	10 19	1 59	32 44	8 53	5 30	4 58	0 44			n.a.
T 24	14 48	15 34	3 17	22 57	1 7	22 20	0 57	18 53	1 58	21 8	0 16	6 41	2 51	5 41	0 29	10 20	1 59	32 44	8 53	5 31	4 59	0 46			n.a.
W25	14 29	12 55	2 20	22 54	1 15	22 7	0 59	19 0	1 58	21 10	0 15	6 42	2 51	5 42	0 28	10 21	1 59	32 44	8 53	5 32	5 1	0 48			n.a.
T 26	14 9	9 45	1 17	22 51	1 24	21 54	1 1	19 8	1 57	21 11	0 15	6 44	2 51	5 43	0 28	10 21	1 59	32 44	8 53	5 33	5 2	0 50			n.a.
F 27	13 50	6 12	0 12	22 45	1 31	21 41	1 3	19 16	1 57	21 12	0 15	6 46	2 51	5 44	0 28	10 22	1 59	32 44	8 54	5 33	5 3	0 52			n.a.
S 28	13s30	2s27	0s54	22s38	1s38	21s27	1s 5	19n24	1n57	21s14	0n15	6n47	2n51	5n45	0s28	10n22	1n59	32s45	8s54	5n33	5n 4	0n54			n.a.

Julian Day Number = 1111486.5, Delta T = 10h51m55s
Ecliptic obliquity = 23°53'12, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'31, Lahiri = -26°59'31 Julian Calendar 1 Feb. 1670 BCE == Greg. Calendar 18 Jan. 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

MARCH 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 35 6	25♒47'13	7♈47	28♉45	1♒52	18♌33	4♐51	19°R35	15♈29	8°R28	3♉12	16♍11	17♍20	6♈ 2	n.a.	S 1
M 2	9 39 3	26°45'49	19°34	29°59	3° 6	19° 1	4°58	19♍32	15°31	8♍27	3°13	16°13	17°17	6° 9	n.a.	M 2
T 3	9 42 59	27°44'22	1♌24	1♒15	4°19	19°30	5° 4	19°28	15°34	8°25	3°14	16°14	17°14	6°16	n.a.	T 3
W 4	9 46 56	28°42'53	13°21	2°33	5°32	19°59	5°11	19°24	15°36	8°23	3°15	16°16	17°11	6°22	n.a.	W 4
T 5	9 50 53	29°41'22	25°29	3°53	6°45	20°28	5°17	19°20	15°39	8°22	3°16	16°R16	17° 8	6°29	n.a.	T 5
F 6	9 54 49	0♓39'49	7♊53	5°14	7°59	20°58	5°23	19°15	15°42	8°20	3°17	16°16	17° 4	6°36	n.a.	F 6
S 7	9 58 46	1°38'13	20°37	6°38	9°12	21°27	5°29	19°11	15°45	8°19	3°19	16°15	17° 1	6°42	n.a.	S 7
S 8	10 2 42	2°36'35	3♋46	8° 4	10°25	21°57	5°35	19° 7	15°47	8°17	3°20	16°14	16°58	6°49	n.a.	S 8
M 9	10 6 39	3°34'55	17°20	9°31	11°38	22°26	5°41	19° 3	15°50	8°15	3°21	16°12	16°55	6°55	n.a.	M 9
T 10	10 10 35	4°33'13	1♌21	11° 1	12°51	22°56	5°47	18°59	15°53	8°14	3°22	16°11	16°52	7° 2	n.a.	T 10
W11	10 14 32	5°31'28	15°46	12°32	14° 5	23°26	5°52	18°55	15°56	8°12	3°23	16°10	16°48	7° 9	n.a.	W11
T 12	10 18 28	6°29'42	0♍31	14° 5	15°18	23°56	5°57	18°50	15°59	8°10	3°24	16° 9	16°45	7°15	n.a.	T 12
F 13	10 22 25	7°27'53	15°28	15°40	16°31	24°27	6° 2	18°46	16° 1	8° 9	3°25	16°D 9	16°42	7°22	n.a.	F 13
S 14	10 26 21	8°26'02	0♎30	17°16	17°44	24°57	6° 7	18°42	16° 4	8° 7	3°25	16° 9	16°39	7°29	n.a.	S 14
S 15	10 30 18	9°24'10	15°29	18°55	18°57	25°28	6°12	18°37	16° 7	8° 5	3°26	16° 9	16°36	7°35	n.a.	S 15
M16	10 34 15	10°22'16	0♏16	20°35	20°11	25°58	6°17	18°33	16°10	8° 4	3°27	16°10	16°33	7°42	n.a.	M16
T 17	10 38 11	11°20'20	14°45	22°17	21°24	26°29	6°21	18°28	16°13	8° 2	3°28	16°10	16°29	7°49	n.a.	T 17
W18	10 42 8	12°18'23	28°54	24° 0	22°37	27° 0	6°25	18°24	16°16	8° 1	3°29	16°11	16°26	7°55	n.a.	W18
T 19	10 46 4	13°16'25	12♐41	25°46	23°50	27°31	6°29	18°20	16°19	7°59	3°30	16°R11	16°23	8° 2	n.a.	T 19
F 20	10 50 1	14°14'24	26° 6	27°33	25° 4	28° 2	6°33	18°15	16°23	7°57	3°30	16°11	16°20	8° 9	n.a.	F 20
S 21	10 53 57	15°12'23	9♑10	29°22	26°17	28°33	6°37	18°11	16°26	7°56	3°31	16°11	16°17	8°15	n.a.	S 21
S 22	10 57 54	16°10'20	21°57	1♓13	27°30	29° 5	6°41	18° 6	16°29	7°54	3°32	16°D10	16°13	8°22	n.a.	S 22
M23	11 1 50	17° 8'15	4♒27	3° 5	28°43	29°36	6°44	18° 2	16°32	7°52	3°33	16°11	16°10	8°29	n.a.	M23
T 24	11 5 47	18° 6'09	16°45	4°59	29°57	0♊ 8	6°47	17°57	16°35	7°51	3°33	16°11	16° 7	8°35	n.a.	T 24
W25	11 9 43	19° 4'01	28°52	6°56	1♓10	0°39	6°50	17°53	16°38	7°49	3°34	16°11	16° 4	8°42	n.a.	W25
T 26	11 13 40	20° 1'52	10♓52	8°53	2°23	1°11	6°53	17°48	16°42	7°48	3°35	16°R11	16° 1	8°49	n.a.	T 26
F 27	11 17 37	20°59'40	22°45	10°53	3°36	1°43	6°56	17°44	16°45	7°46	3°35	16°11	15°58	8°55	n.a.	F 27
S 28	11 21 33	21°57'28	4♈34	12°54	4°50	2°15	6°58	17°39	16°48	7°45	3°36	16°11	15°54	9° 2	n.a.	S 28
S 29	11 25 30	22°55'13	16°22	14°57	6° 3	2°47	7° 1	17°35	16°51	7°43	3°36	16°10	15°51	9° 9	n.a.	S 29
M30	11 29 26	23°52'57	28°11	17° 1	7°16	3°19	7° 3	17°31	16°55	7°41	3°37	16° 9	15°48	9°15	n.a.	M30
T 31	11 33 23	24♓50'40	10♌ 3	19♓ 7	8♓30	3♊52	7♐ 5	17♍26	16♈58	7♍40	3♉37	16♍ 8	15♍45	9♈22	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s10	1n22	1s57	22s30	1s45	21s12	1s 7	19n32	1n57	21s15	0n15	6n49	2n51	5n46	0s28	10n23	1n59	32s45	8s54	5n33	5n 6	0n56		n.a.
M 2	12 49	5 7	2 54	22 20	1 51	20 56	1 8	19 40	1 56	21 17	0 15	6 51	2 52	5 47	0 28	10 24	1 59	32 45	8 54	5 32	5 7	0 58		n.a.
T 3	12 29	8 40	3 45	22 9	1 57	20 40	1 10	19 47	1 56	21 18	0 15	6 52	2 52	5 48	0 28	10 24	1 59	32 45	8 55	5 32	5 8	0 59		n.a.
W 4	12 8	11 55	4 26	21 56	2 2	20 24	1 12	19 55	1 56	21 19	0 15	6 54	2 52	5 49	0 28	10 25	1 59	32 45	8 55	5 31	5 9	1 1		n.a.
T 5	11 48	14 42	4 56	21 41	2 6	20 7	1 13	20 3	1 55	21 20	0 15	6 56	2 52	5 50	0 28	10 26	1 59	32 46	8 55	5 31	5 11	1 3		n.a.
F 6	11 27	16 53	5 14	21 25	2 10	19 49	1 15	20 11	1 55	21 22	0 15	6 57	2 52	5 51	0 28	10 26	1 59	32 46	8 55	5 31	5 12	1 5		n.a.
S 7	11 5	18 18	5 16	21 7	2 14	19 30	1 16	20 18	1 55	21 23	0 15	6 59	2 52	5 52	0 28	10 27	1 59	32 46	8 56	5 31	5 13	1 7		n.a.
S 8	10 44	18 48	5 2	20 47	2 17	19 12	1 17	20 26	1 54	21 24	0 14	7 1	2 52	5 54	0 28	10 27	1 59	32 46	8 56	5 32	5 14	1 9		n.a.
M 9	10 23	18 15	4 32	20 26	2 19	18 52	1 18	20 33	1 54	21 25	0 14	7 3	2 52	5 55	0 28	10 28	1 59	32 47	8 56	5 32	5 16	1 11		n.a.
T 10	10 1	16 36	3 44	20 3	2 21	18 32	1 20	20 41	1 54	21 26	0 14	7 4	2 52	5 56	0 28	10 29	1 59	32 47	8 56	5 33	5 17	1 13		n.a.
W11	9 39	13 51	2 41	19 38	2 23	18 12	1 21	20 48	1 53	21 27	0 14	7 6	2 53	5 57	0 28	10 29	1 59	32 47	8 57	5 33	5 18	1 15		n.a.
T 12	9 18	10 10	1 26	19 12	2 24	17 51	1 22	20 56	1 53	21 28	0 14	7 8	2 53	5 58	0 28	10 30	1 59	32 47	8 57	5 34	5 19	1 17		n.a.
F 13	8 56	5 46	0 4	18 44	2 24	17 30	1 23	21 3	1 53	21 29	0 14	7 10	2 53	5 59	0 28	10 31	1 59	32 48	8 57	5 34	5 21	1 19		n.a.
S 14	8 34	1 0	1n19	18 13	2 24	17 8	1 24	21 10	1 52	21 30	0 14	7 12	2 53	6 0	0 28	10 31	1 59	32 48	8 58	5 34	5 22	1 21		n.a.
S 15	8 11	3s49	2 36	17 42	2 23	16 45	1 25	21 18	1 52	21 31	0 14	7 13	2 53	6 2	0 28	10 32	1 59	32 48	8 58	5 34	5 23	1 22		n.a.
M16	7 49	8 19	3 42	17 8	2 22	16 23	1 25	21 25	1 52	21 32	0 14	7 15	2 53	6 3	0 28	10 33	1 59	32 48	8 58	5 33	5 24	1 24		n.a.
T 17	7 27	12 15	4 32	16 33	2 20	15 59	1 26	21 32	1 51	21 33	0 14	7 17	2 53	6 4	0 28	10 33	1 59	32 49	8 58	5 33	5 26	1 26		n.a.
W18	7 4	15 21	5 4	15 55	2 18	15 36	1 27	21 39	1 51	21 34	0 14	7 19	2 53	6 5	0 28	10 34	2 0	32 49	8 59	5 33	5 27	1 28		n.a.
T 19	6 42	17 30	5 17	15 16	2 15	15 12	1 27	21 46	1 51	21 35	0 13	7 21	2 53	6 6	0 28	10 34	2 0	32 49	8 59	5 33	5 28	1 30		n.a.
F 20	6 19	18 37	5 13	14 36	2 11	14 47	1 28	21 53	1 50	21 35	0 13	7 22	2 53	6 8	0 28	10 35	2 0	32 49	8 59	5 33	5 29	1 32		n.a.
S 21	5 56	18 42	4 53	13 53	2 7	14 22	1 28	22 0	1 50	21 36	0 13	7 24	2 53	6 9	0 28	10 36	1 59	32 50	8 59	5 33	5 31	1 34		n.a.
S 22	5 33	17 49	4 18	13 9	2 2	13 57	1 29	22 6	1 50	21 37	0 13	7 26	2 53	6 10	0 28	10 36	1 59	32 50	9 0	5 33	5 32	1 36		n.a.
M23	5 10	16 5	3 32	12 23	1 57	13 31	1 29	22 13	1 49	21 37	0 13	7 28	2 53	6 11	0 28	10 37	1 59	32 50	9 0	5 33	5 33	1 38		n.a.
T 24	4 47	13 37	2 37	11 35	1 52	13 5	1 29	22 20	1 49	21 38	0 13	7 30	2 53	6 13	0 28	10 37	1 59	32 50	9 0	5 33	5 34	1 40		n.a.
W25	4 24	10 36	1 35	10 45	1 45	12 39	1 29	22 26	1 48	21 39	0 13	7 31	2 53	6 14	0 28	10 38	1 59	32 51	9 1	5 33	5 36	1 42		n.a.
T 26	4 1	7 10	0 30	9 54	1 39	12 12	1 30	22 33	1 48	21 39	0 13	7 33	2 53	6 15	0 28	10 39	1 59	32 51	9 1	5 33	5 37	1 43		n.a.
F 27	3 38	3 29	0s36	9 2	1 31	11 45	1 30	22 39	1 48	21 40	0 13	7 35	2 53	6 16	0 28	10 39	1 59	32 51	9 1	5 33	5 38	1 45		n.a.
S 28	3 15	0n19	1 40	8 7	1 24	11 18	1 30	22 45	1 47	21 40	0 13	7 37	2 53	6 18	0 28	10 40	1 59	32 51	9 1	5 33	5 40	1 47		n.a.
S 29	2 52	4 6	2 40	7 11	1 15	10 51	1 30	22 51	1 47	21 41	0 12	7 39	2 53	6 19	0 28	10 40	1 59	32 52	9 2	5 33	5 41	1 49		n.a.
M30	2 28	7 43	3 33	6 14	1 7	10 23	1 29	22 57	1 47	21 41	0 12	7 40	2 53	6 20	0 28	10 41	1 59	32 52	9 2	5 34	5 42	1 51		n.a.
T 31	2s 5	11n 3	4s17	5s16	0s58	9s55	1s29	23n 3	1n46	21s42	0n12	7n42	2n53	6n22	0s28	10n42	1n59	32s52	9s 2	5n34	5n43	1n53		n.a.

Julian Day Number = 1111514.5, Delta T = 10h51m53s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'27, Lahiri = -26°59'27 Julian Calendar 1 March 1670 BCE == Greg. Calendar 15 Feb. 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

APRIL 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 37 19	25♓48'20	22♉ 2	21♓14	9♓43	4♊24	7♐ 6	17°R22	17♈ 1	7°R38	3♑38	16°R 7	15♍42	9♈29	n.a.	W 1
T 2	11 41 16	26°45'59	4♊11	23°22	10°56	4°57	7° 8	17♍17	17° 5	7♍37	3°38	16♍ 6	15°39	9°35	n.a.	T 2
F 3	11 45 12	27°43'37	16°35	25°32	12° 9	5°29	7° 9	17°13	17° 8	7°35	3°39	16° 5	15°35	9°42	n.a.	F 3
S 4	11 49 9	28°41'12	29°16	27°42	13°23	6° 2	7°10	17° 9	17°11	7°34	3°39	16°D 5	15°32	9°49	n.a.	S 4
S 5	11 53 6	29°38'46	12♋18	29°52	14°36	6°35	7°11	17° 4	17°15	7°32	3°40	16° 5	15°29	9°55	n.a.	S 5
M 6	11 57 2	0♈36'18	25°46	2♈ 3	15°49	7° 8	7°12	17° 0	17°18	7°31	3°40	16° 6	15°26	10° 2	n.a.	M 6
T 7	12 0 59	1°33'49	9♌39	4°14	17° 3	7°41	7°13	16°56	17°22	7°29	3°40	16° 7	15°23	10° 9	n.a.	T 7
W 8	12 4 55	2°31'18	23°59	6°25	18°16	8°14	7°13	16°52	17°25	7°28	3°41	16° 8	15°19	10°15	n.a.	W 8
T 9	12 8 52	3°28'45	8♍42	8°35	19°29	8°47	7°14	16°47	17°28	7°26	3°41	16°R 9	15°16	10°22	n.a.	T 9
F 10	12 12 48	4°26'11	23°44	10°44	20°43	9°20	7°R14	16°43	17°32	7°25	3°41	16° 9	15°13	10°28	n.a.	F 10
S 11	12 16 45	5°23'36	8♎56	12°53	21°56	9°53	7°14	16°39	17°35	7°24	3°41	16° 8	15°10	10°35	n.a.	S 11
S 12	12 20 41	6°20'59	24° 8	15° 0	23° 9	10°27	7°13	16°35	17°39	7°22	3°42	16° 6	15° 7	10°42	n.a.	S 12
M13	12 24 38	7°18'22	9♏12	17° 5	24°22	11° 0	7°13	16°31	17°42	7°21	3°42	16° 4	15° 4	10°48	n.a.	M13
T 14	12 28 34	8°15'43	23°58	19° 9	25°36	11°34	7°12	16°27	17°46	7°20	3°42	16° 1	15° 0	10°55	n.a.	T 14
W15	12 32 31	9°13'04	8♐21	21°11	26°49	12° 7	7°11	16°23	17°49	7°18	3°42	15°58	14°57	11° 2	n.a.	W15
T 16	12 36 28	10°10'24	22°17	23°11	28° 2	12°41	7°10	16°19	17°53	7°17	3°42	15°56	14°54	11° 8	n.a.	T 16
F 17	12 40 24	11° 7'43	5♑45	25° 8	29°16	13°15	7° 9	16°15	17°56	7°16	3°42	15°D55	14°51	11°15	n.a.	F 17
S 18	12 44 21	12° 5'01	18°48	27° 3	0♈29	13°48	7° 7	16°12	18° 0	7°14	3°42	15°55	14°48	11°22	n.a.	S 18
S 19	12 48 17	13° 2'19	1♒29	28°56	1°43	14°22	7° 6	16° 8	18° 3	7°13	3°R42	15°56	14°44	11°28	n.a.	S 19
M20	12 52 14	13°59'36	13°51	0♉46	2°56	14°56	7° 4	16° 4	18° 7	7°12	3°42	15°58	14°41	11°35	n.a.	M20
T 21	12 56 10	14°56'52	25°59	2°34	4° 9	15°30	7° 2	16° 1	18°10	7°11	3°42	15°59	14°38	11°42	n.a.	T 21
W22	13 0 7	15°54'07	7♓57	4°19	5°23	16° 5	7° 0	15°57	18°14	7° 9	3°42	16° 1	14°35	11°48	n.a.	W22
T 23	13 4 3	16°51'22	19°49	6° 1	6°36	16°39	6°57	15°53	18°17	7° 8	3°42	16°R 1	14°32	11°55	n.a.	T 23
F 24	13 8 0	17°48'36	1♈37	7°40	7°50	17°13	6°55	15°50	18°21	7° 7	3°42	16° 0	14°29	12° 2	n.a.	F 24
S 25	13 11 57	18°45'49	13°24	9°17	9° 3	17°47	6°52	15°47	18°24	7° 6	3°42	15°57	14°25	12° 8	n.a.	S 25
S 26	13 15 53	19°43'01	25°14	10°51	10°16	18°22	6°49	15°43	18°28	7° 5	3°42	15°53	14°22	12°15	n.a.	S 26
M27	13 19 50	20°40'13	7♉ 6	12°22	11°30	18°56	6°46	15°40	18°31	7° 4	3°41	15°47	14°19	12°22	n.a.	M27
T 28	13 23 46	21°37'24	19° 5	13°50	12°43	19°31	6°43	15°37	18°35	7° 3	3°41	15°41	14°16	12°28	n.a.	T 28
W29	13 27 43	22°34'34	1♊11	15°16	13°57	20° 6	6°39	15°34	18°38	7° 2	3°41	15°34	14°13	12°35	n.a.	W29
T 30	13 31 39	23♈31'43	13♊26	16♉38	15♈10	20♊40	6♐36	15♍31	18♈42	7♍ 1	3♑41	15♍29	14♍10	12♈42	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1 s42	13n57	4 s50	4 s16	0 s48	9 s26	1 s29	23n 9	1n46	21 s42	0n12	7n44	2n53	6n23	0 s28	10n42	1n59	32 s53	9 s 3	5n35	5n45	1n55		n.a.
T 2	1 19	16 18	5 10	3 16	0 38	8 58	1 29	23 15	1 46	21 43	0 12	7 45	2 53	6 24	0 28	10 43	1 59	32 53	9 3	5 35	5 46	1 57		n.a.
F 3	0 55	17 56	5 17	2 15	0 28	8 29	1 28	23 21	1 45	21 43	0 12	7 47	2 53	6 26	0 28	10 43	1 59	32 53	9 3	5 35	5 47	1 59		n.a.
S 4	0 32	18 44	5 9	1 13	0 18	8 0	1 28	23 26	1 45	21 43	0 12	7 49	2 53	6 27	0 28	10 44	1 59	32 53	9 4	5 35	5 48	2 1		n.a.
S 5	0 9	18 35	4 45	0 10	0 8	7 31	1 27	23 32	1 45	21 43	0 12	7 50	2 53	6 28	0 28	10 44	1 59	32 54	9 4	5 35	5 50	2 3		n.a.
M 6	0n15	17 23	4 4	0n53	0n 3	7 1	1 27	23 37	1 44	21 44	0 12	7 52	2 53	6 30	0 28	10 45	1 59	32 54	9 4	5 35	5 51	2 5		n.a.
T 7	0 38	15 8	3 9	1 55	0 14	6 31	1 26	23 42	1 44	21 44	0 12	7 54	2 53	6 31	0 28	10 45	1 59	32 54	9 4	5 35	5 52	2 6		n.a.
W 8	1 1	11 54	2 0	2 58	0 24	6 2	1 25	23 47	1 43	21 44	0 11	7 55	2 53	6 32	0 28	10 46	1 59	32 55	9 5	5 34	5 53	2 8		n.a.
T 9	1 24	7 49	0 41	3 59	0 35	5 32	1 24	23 52	1 43	21 44	0 11	7 57	2 53	6 34	0 28	10 47	1 59	32 55	9 5	5 34	5 55	2 10		n.a.
F 10	1 48	3 10	0n42	5 1	0 45	5 2	1 24	23 57	1 43	21 44	0 11	7 59	2 53	6 35	0 28	10 47	1 59	32 55	9 5	5 34	5 56	2 12		n.a.
S 11	2 11	1 s44	2 3	6 1	0 55	4 31	1 23	24 2	1 42	21 44	0 11	8 0	2 52	6 36	0 28	10 48	1 59	32 55	9 6	5 34	5 57	2 14		n.a.
S 12	2 34	6 31	3 15	7 0	1 4	4 1	1 22	24 7	1 42	21 45	0 11	8 2	2 52	6 38	0 28	10 48	1 59	32 56	9 6	5 35	5 58	2 16		n.a.
M13	2 57	10 51	4 13	7 58	1 14	3 30	1 21	24 11	1 42	21 45	0 11	8 3	2 52	6 39	0 28	10 49	1 59	32 56	9 6	5 36	6 0	2 18		n.a.
T 14	3 20	14 24	4 52	8 54	1 23	3 0	1 20	24 16	1 41	21 45	0 11	8 5	2 52	6 40	0 28	10 49	1 59	32 56	9 7	5 37	6 1	2 20		n.a.
W15	3 43	16 58	5 12	9 49	1 31	2 29	1 19	24 20	1 41	21 45	0 11	8 6	2 52	6 42	0 28	10 50	1 59	32 57	9 7	5 38	6 2	2 22		n.a.
T 16	4 6	18 27	5 13	10 42	1 39	1 58	1 17	24 24	1 41	21 44	0 10	8 8	2 52	6 43	0 28	10 50	1 59	32 57	9 7	5 39	6 3	2 24		n.a.
F 17	4 29	18 49	4 57	11 32	1 46	1 27	1 16	24 28	1 40	21 44	0 10	8 9	2 52	6 44	0 28	10 50	1 59	32 57	9 7	5 39	6 5	2 26		n.a.
S 18	4 52	18 10	4 25	12 21	1 52	0 57	1 15	24 32	1 40	21 44	0 10	8 10	2 52	6 46	0 28	10 51	1 59	32 58	9 8	5 39	6 6	2 28		n.a.
S 19	5 14	16 37	3 41	13 8	1 58	0 26	1 13	24 36	1 39	21 44	0 10	8 12	2 52	6 47	0 28	10 51	1 59	32 58	9 8	5 39	6 7	2 30		n.a.
M20	5 37	14 18	2 48	13 53	2 4	0n 5	1 12	24 39	1 39	21 44	0 10	8 13	2 51	6 49	0 27	10 52	1 59	32 58	9 8	5 38	6 8	2 31		n.a.
T 21	6 0	11 24	1 48	14 35	2 8	0 36	1 11	24 43	1 39	21 44	0 10	8 14	2 51	6 50	0 27	10 52	1 59	32 58	9 9	5 38	6 10	2 33		n.a.
W22	6 22	8 4	0 44	15 16	2 12	1 7	1 9	24 46	1 38	21 43	0 10	8 16	2 51	6 51	0 27	10 53	1 59	32 59	9 9	5 37	6 11	2 35		n.a.
T 23	6 45	4 26	0 s21	15 54	2 15	1 38	1 8	24 50	1 38	21 43	0 10	8 17	2 51	6 53	0 27	10 53	1 59	32 59	9 9	5 37	6 12	2 37		n.a.
F 24	7 7	0 38	1 25	16 29	2 18	2 9	1 6	24 53	1 37	21 43	0 9	8 18	2 51	6 54	0 27	10 53	1 59	32 59	9 10	5 37	6 13	2 39		n.a.
S 25	7 29	3n11	2 24	17 3	2 19	2 40	1 4	24 56	1 37	21 43	0 9	8 19	2 51	6 55	0 27	10 54	1 59	33 0	9 10	5 39	6 15	2 41		n.a.
S 26	7 51	6 52	3 18	17 34	2 20	3 11	1 3	24 58	1 37	21 42	0 9	8 21	2 50	6 57	0 27	10 54	1 59	33 0	9 10	5 40	6 16	2 43		n.a.
M27	8 13	10 19	4 3	18 3	2 20	3 42	1 1	25 1	1 36	21 42	0 9	8 22	2 50	6 58	0 27	10 55	1 59	33 0	9 10	5 42	6 17	2 45		n.a.
T 28	8 35	13 22	4 38	18 30	2 20	4 13	0 59	25 3	1 36	21 41	0 9	8 23	2 50	7 0	0 27	10 55	1 59	33 1	9 11	5 45	6 18	2 47		n.a.
W29	8 57	15 52	5 1	18 55	2 19	4 43	0 57	25 6	1 36	21 41	0 9	8 24	2 50	7 1	0 27	10 55	1 59	33 1	9 11	5 47	6 20	2 49		n.a.
T 30	9n18	17n42	5 s10	19n18	2n17	5n14	0 s56	25n 8	1n35	21 s40	0n 9	8n25	2n50	7n 2	0 s27	10n56	1n59	33 s 1	9 s11	5n50	6n21	2n51		n.a.

Julian Day Number = 1111545.5, Delta T = 10h51m51s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'23, Lahiri = -26°59'23 Julian Calendar 1 Apr. 1670 BCE == Greg. Calendar 18 March 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

MAY 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 35 36	24♈28'52	25♊54	17♉58	16♈24	21♊15	6°R32	15°R28	18♈45	7°R 0	3°R40	15°R24	14♍ 6	12♈48	n.a.	F 1
S 2	13 39 33	25°26'00	8♋37	19°14	17°37	21°50	6♐28	15♍25	18°49	6♍59	3♏40	15♍21	14° 3	12°55	n.a.	S 2
S 3	13 43 29	26°23'07	21°37	20°28	18°51	22°25	6°24	15°22	18°52	6°58	3°40	15°D19	14° 0	13° 2	n.a.	S 3
M 4	13 47 26	27°20'13	4♌58	21°39	20° 4	23° 0	6°19	15°19	18°56	6°57	3°39	15°20	13°57	13° 8	n.a.	M 4
T 5	13 51 22	28°17'18	18°41	22°46	21°18	23°35	6°15	15°16	18°59	6°56	3°39	15°21	13°54	13°15	n.a.	T 5
W 6	13 55 19	29°14'23	2♍49	23°50	22°31	24°10	6°10	15°14	19° 3	6°55	3°39	15°22	13°50	13°22	n.a.	W 6
T 7	13 59 15	0♉11'27	17°21	24°51	23°45	24°45	6° 6	15°11	19° 6	6°54	3°38	15°R22	13°47	13°28	n.a.	T 7
F 8	14 3 12	1° 8'30	2♎12	25°49	24°58	25°21	6° 1	15° 9	19°10	6°53	3°38	15°21	13°44	13°35	n.a.	F 8
S 9	14 7 8	2° 5'33	17°18	26°43	26°12	25°56	5°56	15° 7	19°13	6°53	3°37	15°18	13°41	13°42	n.a.	S 9
S 10	14 11 5	3° 2'35	2♏30	27°33	27°25	26°31	5°50	15° 4	19°17	6°52	3°37	15°13	13°38	13°48	n.a.	S 10
M11	14 15 2	3°59'37	17°37	28°20	28°39	27° 7	5°45	15° 2	19°20	6°51	3°36	15° 7	13°35	13°55	n.a.	M11
T 12	14 18 58	4°56'39	2♐30	29° 3	29°52	27°42	5°40	15° 0	19°24	6°51	3°36	14°59	13°31	14° 2	n.a.	T 12
W13	14 22 55	5°53'41	17° 1	29°42	1♉ 6	28°18	5°34	14°58	19°27	6°50	3°35	14°52	13°28	14° 8	n.a.	W13
T 14	14 26 51	6°50'44	1♑ 5	0♊18	2°19	28°54	5°28	14°56	19°31	6°49	3°35	14°46	13°25	14°15	n.a.	T 14
F 15	14 30 48	7°47'46	14°40	0°49	3°33	29°29	5°22	14°54	19°34	6°49	3°34	14°42	13°22	14°22	n.a.	F 15
S 16	14 34 44	8°44'48	27°46	1°16	4°47	0♋ 5	5°16	14°52	19°37	6°48	3°33	14°39	13°19	14°28	n.a.	S 16
S 17	14 38 41	9°41'51	10♒28	1°38	6° 0	0°41	5°10	14°51	19°41	6°47	3°33	14°D39	13°15	14°35	n.a.	S 17
M18	14 42 37	10°38'54	22°48	1°56	7°14	1°17	5° 4	14°49	19°44	6°47	3°32	14°39	13°12	14°42	n.a.	M18
T 19	14 46 34	11°35'57	4♓53	2°10	8°28	1°53	4°57	14°48	19°47	6°46	3°31	14°40	13° 9	14°48	n.a.	T 19
W20	14 50 31	12°33'00	16°48	2°19	9°41	2°29	4°51	14°46	19°51	6°46	3°31	14°R40	13° 6	14°55	n.a.	W20
T 21	14 54 27	13°30'04	28°36	2°R24	10°55	3° 5	4°44	14°45	19°54	6°46	3°30	14°39	13° 3	15° 2	n.a.	T 21
F 22	14 58 24	14°27'07	10♈23	2°24	12° 9	3°41	4°37	14°44	19°57	6°45	3°29	14°36	13° 0	15° 8	n.a.	F 22
S 23	15 2 20	15°24'12	22°12	2°19	13°22	4°17	4°31	14°43	20° 1	6°45	3°28	14°30	12°56	15°15	n.a.	S 23
S 24	15 6 17	16°21'16	4♉ 6	2°10	14°36	4°53	4°24	14°42	20° 4	6°45	3°28	14°22	12°53	15°22	n.a.	S 24
M25	15 10 13	17°18'21	16° 6	1°56	15°50	5°29	4°17	14°41	20° 7	6°44	3°27	14°12	12°50	15°28	n.a.	M25
T 26	15 14 10	18°15'26	28°14	1°38	17° 3	6° 6	4°10	14°40	20°10	6°44	3°26	14° 1	12°47	15°35	n.a.	T 26
W27	15 18 7	19°12'31	10♊32	1°15	18°17	6°42	4° 2	14°39	20°13	6°44	3°25	13°49	12°44	15°42	n.a.	W27
T 28	15 22 3	20° 9'37	23° 0	0°49	19°31	7°19	3°55	14°38	20°17	6°43	3°24	13°39	12°41	15°48	n.a.	T 28
F 29	15 26 0	21° 6'43	5♋39	0°20	20°45	7°55	3°48	14°38	20°20	6°43	3°23	13°29	12°37	15°55	n.a.	F 29
S 30	15 29 56	22° 3'49	18°31	29♉47	21°58	8°32	3°40	14°37	20°23	6°43	3°22	13°23	12°34	16° 2	n.a.	S 30
S 31	15 33 53	23♉ 0'55	1♌36	29♉12	23♉12	9♋ 8	3♐33	14♍37	20♈26	6♍43	3♏21	13♍19	12♍31	16♈ 8	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9n40	18n44	5s 6	19n38	2n14	5n44	0s54	25n10	1n35	21s40	0n 9	8n26	2n50	7n 4	0s27	10n56	1n58	33s 1	9s12	5n52	6n22	2n53		n.a.
S 2	10 1	18 51	4 46	19 57	2 10	6 15	0 52	25 12	1 34	21 39	0 8	8 27	2 49	7 5	0 27	10 56	1 58	33 2	9 12	5 53	6 23	2 54		n.a.
S 3	10 22	17 59	4 11	20 13	2 6	6 45	0 50	25 14	1 34	21 39	0 8	8 28	2 49	7 6	0 27	10 57	1 58	33 2	9 12	5 53	6 25	2 56		n.a.
M 4	10 43	16 7	3 22	20 28	2 1	7 15	0 48	25 15	1 34	21 38	0 8	8 29	2 49	7 8	0 27	10 57	1 58	33 2	9 12	5 53	6 26	2 58		n.a.
T 5	11 4	13 18	2 20	20 40	1 56	7 45	0 46	25 17	1 33	21 37	0 8	8 30	2 49	7 9	0 27	10 57	1 58	33 3	9 13	5 53	6 27	3 0		n.a.
W 6	11 24	9 37	1 8	20 50	1 49	8 15	0 44	25 18	1 33	21 37	0 8	8 30	2 49	7 10	0 27	10 58	1 58	33 3	9 13	5 52	6 28	3 2		n.a.
T 7	11 45	5 15	0n11	20 59	1 42	8 44	0 42	25 19	1 32	21 36	0 8	8 31	2 48	7 12	0 27	10 58	1 58	33 3	9 13	5 52	6 29	3 4		n.a.
F 8	12 5	0 29	1 30	21 6	1 34	9 14	0 39	25 20	1 32	21 35	0 8	8 32	2 48	7 13	0 27	10 58	1 58	33 3	9 14	5 53	6 31	3 6		n.a.
S 9	12 25	4s24	2 44	21 10	1 26	9 43	0 37	25 21	1 32	21 35	0 7	8 33	2 48	7 14	0 27	10 58	1 58	33 4	9 14	5 54	6 32	3 8		n.a.
S 10	12 45	9 1	3 47	21 13	1 16	10 12	0 35	25 22	1 31	21 34	0 7	8 34	2 48	7 16	0 27	10 59	1 58	33 4	9 14	5 56	6 33	3 10		n.a.
M11	13 5	13 2	4 33	21 14	1 6	10 41	0 33	25 22	1 31	21 33	0 7	8 34	2 48	7 17	0 27	10 59	1 58	33 4	9 14	5 58	6 34	3 12		n.a.
T 12	13 25	16 9	5 0	21 14	0 56	11 9	0 31	25 22	1 30	21 32	0 7	8 35	2 47	7 18	0 27	10 59	1 58	33 5	9 15	6 1	6 36	3 14		n.a.
W13	13 44	18 9	5 7	21 11	0 45	11 38	0 29	25 23	1 30	21 31	0 7	8 35	2 47	7 20	0 27	10 59	1 58	33 5	9 15	6 4	6 37	3 16		n.a.
T 14	14 3	18 58	4 55	21 7	0 33	12 6	0 26	25 23	1 30	21 30	0 7	8 36	2 47	7 21	0 27	10 59	1 58	33 5	9 15	6 6	6 38	3 17		n.a.
F 15	14 22	18 39	4 27	21 2	0 20	12 33	0 24	25 22	1 29	21 29	0 7	8 36	2 47	7 22	0 27	11 0	1 58	33 5	9 15	6 8	6 39	3 19		n.a.
S 16	14 41	17 19	3 45	20 55	0 7	13 1	0 22	25 22	1 29	21 29	0 6	8 37	2 46	7 24	0 27	11 0	1 58	33 6	9 16	6 9	6 41	3 21		n.a.
S 17	14 59	15 10	2 53	20 46	0s 6	13 28	0 19	25 22	1 28	21 28	0 6	8 37	2 46	7 25	0 27	11 0	1 58	33 6	9 16	6 9	6 42	3 23		n.a.
M18	15 18	12 22	1 55	20 36	0 21	13 55	0 17	25 21	1 28	21 27	0 6	8 38	2 46	7 26	0 27	11 0	1 58	33 6	9 16	6 9	6 43	3 25		n.a.
T 19	15 36	9 5	0 52	20 24	0 35	14 21	0 15	25 20	1 28	21 26	0 6	8 38	2 46	7 28	0 27	11 0	1 58	33 7	9 17	6 9	6 44	3 27		n.a.
W20	15 54	5 29	0s11	20 12	0 50	14 47	0 12	25 19	1 27	21 24	0 6	8 39	2 46	7 29	0 27	11 0	1 58	33 7	9 17	6 9	6 46	3 29		n.a.
T 21	16 11	1 42	1 14	19 58	1 6	15 13	0 10	25 18	1 27	21 23	0 6	8 39	2 45	7 30	0 27	11 0	1 57	33 7	9 17	6 9	6 47	3 31		n.a.
F 22	16 28	2n 9	2 13	19 42	1 21	15 39	0 8	25 16	1 26	21 22	0 5	8 39	2 45	7 31	0 27	11 1	1 57	33 7	9 17	6 10	6 48	3 33		n.a.
S 23	16 45	5 55	3 7	19 26	1 37	16 4	0 5	25 15	1 26	21 21	0 5	8 39	2 45	7 33	0 27	11 1	1 57	33 8	9 18	6 13	6 49	3 35		n.a.
S 24	17 2	9 29	3 52	19 9	1 53	16 28	0 3	25 13	1 26	21 20	0 5	8 39	2 45	7 34	0 27	11 1	1 57	33 8	9 18	6 16	6 51	3 37		n.a.
M25	17 19	12 42	4 28	18 50	2 8	16 52	0 1	25 11	1 25	21 19	0 5	8 40	2 44	7 35	0 27	11 1	1 57	33 8	9 18	6 20	6 52	3 39		n.a.
T 26	17 35	15 24	4 52	18 32	2 24	17 16	0n 2	25 9	1 25	21 18	0 5	8 40	2 44	7 36	0 27	11 1	1 57	33 9	9 18	6 24	6 53	3 41		n.a.
W27	17 51	17 27	5 2	18 12	2 39	17 40	0 4	25 7	1 24	21 16	0 5	8 40	2 44	7 38	0 27	11 1	1 57	33 9	9 18	6 29	6 54	3 42		n.a.
T 28	18 7	18 43	4 59	17 52	2 54	18 2	0 6	25 5	1 24	21 15	0 4	8 40	2 44	7 39	0 27	11 1	1 57	33 9	9 19	6 33	6 56	3 44		n.a.
F 29	18 22	19 5	4 41	17 32	3 8	18 25	0 9	25 2	1 23	21 14	0 4	8 40	2 43	7 40	0 27	11 1	1 57	33 9	9 19	6 36	6 57	3 46		n.a.
S 30	18 37	18 29	4 8	17 12	3 21	18 47	0 11	24 59	1 23	21 13	0 4	8 40	2 43	7 41	0 27	11 1	1 57	33 10	9 19	6 39	6 58	3 48		n.a.
S 31	18n52	16n53	3s22	16n53	3s34	19n 8	0n13	24n56	1n23	21s11	0n 4	8n40	2n43	7n42	0s27	11n 1	1n57	33s10	9s19	6n41	6n59	3n50		n.a.

Julian Day Number = 1111575.5, Delta T = 10h51m50s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'19, Lahiri = -26°59'19 Julian Calendar 1 May 1670 BCE == Greg. Calendar 17 Apr. 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

JUNE 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 37 49	23♉58'01	14♌57	28°R35	24♉26	9♋45	3°R25	14°R37	20♈29	6°R43	3°R20	13°R17	12♍28	16♈15	n.a.	M 1
T 2	15 41 46	24°55'08	28°36	27♉56	25°40	10°22	3♐18	14♍37	20°32	6♍43	3♑19	13°D17	12°25	16°22	n.a.	T 2
W 3	15 45 42	25°52'14	12♍33	27°17	26°54	10°59	3°10	14°D36	20°35	6°D43	3°18	13°R17	12°21	16°28	n.a.	W 3
T 4	15 49 39	26°49'21	26°50	26°37	28° 8	11°36	3° 3	14°36	20°38	6°43	3°17	13♍16	12°18	16°35	n.a.	T 4
F 5	15 53 36	27°46'28	11♎24	25°58	29°21	12°13	2°55	14°37	20°41	6°43	3°16	13°14	12°15	16°42	n.a.	F 5
S 6	15 57 32	28°43'36	26°13	25°20	0♊35	12°50	2°47	14°37	20°44	6°43	3°15	13° 9	12°12	16°48	n.a.	S 6
S 7	16 1 29	29°40'44	11♏ 9	24°45	1°49	13°27	2°40	14°37	20°47	6°43	3°14	13° 2	12° 9	16°55	n.a.	S 7
M 8	16 5 25	0♊37'53	26° 4	24°11	3° 3	14° 4	2°32	14°37	20°50	6°43	3°13	12°52	12° 6	17° 2	n.a.	M 8
T 9	16 9 22	1°35'02	10♐50	23°41	4°17	14°41	2°24	14°38	20°53	6°43	3°12	12°41	12° 2	17° 8	n.a.	T 9
W10	16 13 18	2°32'13	25°18	23°15	5°31	15°18	2°16	14°39	20°56	6°44	3°11	12°31	11°59	17°15	n.a.	W10
T 11	16 17 15	3°29'24	9♑22	22°53	6°45	15°55	2° 9	14°39	20°59	6°44	3°10	12°21	11°56	17°22	n.a.	T 11
F 12	16 21 12	4°26'36	22°58	22°36	7°59	16°33	2° 1	14°40	21° 1	6°44	3° 9	12°14	11°53	17°28	n.a.	F 12
S 13	16 25 8	5°23'50	6♒ 7	22°24	9°13	17°10	1°53	14°41	21° 4	6°44	3° 8	12° 9	11°50	17°35	n.a.	S 13
S 14	16 29 5	6°21'04	18°51	22°17	10°27	17°47	1°46	14°42	21° 7	6°45	3° 7	12° 6	11°47	17°42	n.a.	S 14
M15	16 33 1	7°18'20	1♓13	22°D16	11°41	18°25	1°38	14°43	21° 9	6°45	3° 5	12° 5	11°43	17°48	n.a.	M15
T 16	16 36 58	8°15'36	13°19	22°21	12°55	19° 2	1°30	14°44	21°12	6°46	3° 4	12° 5	11°40	17°55	n.a.	T 16
W17	16 40 54	9°12'54	25°13	22°32	14° 9	19°40	1°23	14°45	21°15	6°46	3° 3	12° 5	11°37	18° 2	n.a.	W17
T 18	16 44 51	10°10'13	7♈ 2	22°49	15°23	20°18	1°15	14°47	21°17	6°46	3° 2	12° 3	11°34	18° 8	n.a.	T 18
F 19	16 48 47	11° 7'34	18°51	23°13	16°37	20°55	1° 8	14°48	21°20	6°47	3° 1	11°59	11°31	18°15	n.a.	F 19
S 20	16 52 44	12° 4'56	0♉43	23°42	17°51	21°33	1° 0	14°50	21°22	6°48	2°59	11°53	11°27	18°22	n.a.	S 20
S 21	16 56 41	13° 2'19	12°42	24°18	19° 5	22°11	0°53	14°51	21°25	6°48	2°58	11°44	11°24	18°28	n.a.	S 21
M22	17 0 37	13°59'43	24°51	25° 0	20°19	22°49	0°45	14°53	21°27	6°49	2°57	11°32	11°21	18°35	n.a.	M22
T 23	17 4 34	14°57'09	7♊12	25°48	21°33	23°27	0°38	14°55	21°30	6°49	2°56	11°19	11°18	18°42	n.a.	T 23
W24	17 8 30	15°54'36	19°45	26°42	22°47	24° 5	0°31	14°57	21°32	6°50	2°54	11° 6	11°15	18°49	n.a.	W24
T 25	17 12 27	16°52'04	2♋31	27°42	24° 1	24°43	0°24	14°59	21°35	6°51	2°53	10°53	11°12	18°55	n.a.	T 25
F 26	17 16 23	17°49'33	15°28	28°48	25°15	25°21	0°16	15° 1	21°37	6°51	2°52	10°43	11° 8	19° 2	n.a.	F 26
S 27	17 20 20	18°47'04	28°37	29°59	26°30	25°59	0° 9	15° 3	21°39	6°52	2°51	10°35	11° 5	19° 9	n.a.	S 27
S 28	17 24 17	19°44'36	11♌56	1♊17	27°44	26°37	0° 3	15° 5	21°41	6°53	2°49	10°30	11° 2	19°15	n.a.	S 28
M29	17 28 13	20°42'08	25°27	2°39	28°58	27°16	29♏56	15° 8	21°44	6°54	2°48	10°27	10°59	19°22	n.a.	M29
T 30	17 32 10	21♊39'42	9♍10	4♊ 6	0♋12	27♋54	29♏49	15♍10	21♈46	6♍55	2♑47	10°D27	10♍56	19♈29	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n 7	14n21	2s25	16n33	3s45	19n29	0n16	24n53	1n22	21s10	0n 4	8n40	2n43	7n43	0s27	11n 1	1n57	33s10	9s20	6n41	7n 0	3n52		n.a.
T 2	19 21	10 59	1 17	16 15	3 55	19 50	0 18	24 50	1 22	21 9	0 4	8 39	2 42	7 45	0 27	11 1	1 57	33 10	9 20	6 41	7 2	3 54		n.a.
W 3	19 35	6 55	0 4	15 57	4 4	20 10	0 20	24 46	1 21	21 8	0 3	8 39	2 42	7 46	0 27	11 1	1 57	33 11	9 20	6 41	7 3	3 56		n.a.
T 4	19 49	2 22	1n11	15 41	4 12	20 29	0 23	24 43	1 21	21 6	0 3	8 39	2 42	7 47	0 27	11 1	1 57	33 11	9 20	6 42	7 4	3 58		n.a.
F 5	20 2	2s24	2 23	15 26	4 18	20 48	0 25	24 39	1 20	21 5	0 3	8 39	2 42	7 48	0 27	11 1	1 57	33 11	9 20	6 42	7 5	4 0		n.a.
S 6	20 15	7 6	3 27	15 13	4 22	21 6	0 27	24 35	1 20	21 4	0 3	8 38	2 41	7 49	0 27	11 1	1 57	33 11	9 21	6 44	7 7	4 2		n.a.
S 7	20 28	11 24	4 17	15 1	4 25	21 24	0 29	24 31	1 20	21 2	0 3	8 38	2 41	7 50	0 27	11 0	1 57	33 11	9 21	6 47	7 8	4 4		n.a.
M 8	20 40	14 57	4 49	14 52	4 27	21 41	0 32	24 26	1 19	21 1	0 3	8 38	2 41	7 51	0 27	11 0	1 56	33 12	9 21	6 51	7 9	4 5		n.a.
T 9	20 52	17 31	5 1	14 45	4 26	21 57	0 34	24 22	1 19	20 59	0 2	8 37	2 41	7 53	0 27	11 0	1 56	33 12	9 21	6 55	7 10	4 7		n.a.
W10	21 3	18 54	4 54	14 40	4 24	22 13	0 36	24 17	1 18	20 58	0 2	8 37	2 40	7 54	0 27	11 0	1 56	33 12	9 21	6 59	7 12	4 9		n.a.
T 11	21 15	19 5	4 29	14 38	4 21	22 28	0 38	24 12	1 18	20 57	0 2	8 36	2 40	7 55	0 27	11 0	1 56	33 12	9 22	7 3	7 13	4 11		n.a.
F 12	21 26	18 7	3 49	14 38	4 16	22 43	0 40	24 7	1 17	20 55	0 2	8 36	2 40	7 56	0 27	11 0	1 56	33 13	9 22	7 6	7 14	4 13		n.a.
S 13	21 36	16 13	2 58	14 41	4 10	22 57	0 42	24 2	1 17	20 54	0 2	8 35	2 39	7 57	0 28	11 0	1 56	33 13	9 22	7 8	7 15	4 15		n.a.
S 14	21 46	13 34	2 0	14 47	4 3	23 10	0 44	23 57	1 16	20 52	0 2	8 34	2 39	7 58	0 28	10 59	1 56	33 13	9 22	7 9	7 17	4 17		n.a.
M15	21 56	10 21	0 57	14 55	3 54	23 22	0 46	23 51	1 16	20 51	0 1	8 34	2 39	7 59	0 28	10 59	1 56	33 13	9 22	7 9	7 18	4 19		n.a.
T 16	22 6	6 47	0s 6	15 5	3 44	23 34	0 48	23 45	1 16	20 50	0 1	8 33	2 39	8 0	0 28	10 59	1 56	33 13	9 23	7 9	7 19	4 21		n.a.
W17	22 15	2 59	1 9	15 18	3 34	23 46	0 50	23 39	1 15	20 48	0 1	8 32	2 38	8 1	0 28	10 59	1 56	33 14	9 23	7 9	7 20	4 23		n.a.
T 18	22 23	0n53	2 8	15 34	3 22	23 56	0 52	23 33	1 15	20 47	0 1	8 32	2 38	8 2	0 28	10 59	1 56	33 14	9 23	7 10	7 21	4 25		n.a.
F 19	22 32	4 44	3 1	15 51	3 10	24 6	0 54	23 27	1 14	20 45	0 1	8 31	2 38	8 3	0 28	10 58	1 56	33 14	9 23	7 12	7 23	4 27		n.a.
S 20	22 40	8 24	3 47	16 11	2 57	24 15	0 56	23 20	1 14	20 44	0 1	8 30	2 38	8 4	0 28	10 58	1 56	33 14	9 23	7 14	7 24	4 28		n.a.
S 21	22 47	11 46	4 23	16 33	2 44	24 23	0 58	23 14	1 13	20 43	0 0	8 29	2 37	8 5	0 28	10 58	1 56	33 14	9 23	7 18	7 25	4 30		n.a.
M22	22 54	14 41	4 48	16 57	2 30	24 31	1 0	23 7	1 13	20 41	0 0	8 28	2 37	8 6	0 28	10 58	1 56	33 14	9 23	7 22	7 26	4 32		n.a.
T 23	23 1	17 0	4 59	17 22	2 16	24 38	1 1	23 0	1 12	20 40	0 0	8 27	2 37	8 6	0 28	10 57	1 56	33 15	9 24	7 27	7 28	4 34		n.a.
W24	23 7	18 33	4 57	17 49	2 2	24 44	1 3	22 53	1 12	20 38	0s 0	8 26	2 37	8 7	0 28	10 57	1 56	33 15	9 24	7 32	7 29	4 36		n.a.
T 25	23 13	19 12	4 40	18 17	1 47	24 49	1 5	22 45	1 11	20 37	0 0	8 25	2 36	8 8	0 28	10 57	1 55	33 15	9 24	7 37	7 30	4 38		n.a.
F 26	23 19	18 52	4 8	18 46	1 33	24 54	1 6	22 38	1 11	20 36	0 0	8 24	2 36	8 9	0 28	10 56	1 55	33 15	9 24	7 41	7 31	4 40		n.a.
S 27	23 24	17 32	3 22	19 15	1 18	24 58	1 8	22 30	1 10	20 34	0 1	8 23	2 36	8 10	0 28	10 56	1 55	33 15	9 24	7 44	7 33	4 42		n.a.
S 28	23 29	15 13	2 25	19 46	1 4	25 1	1 9	22 22	1 10	20 33	0 1	8 22	2 36	8 11	0 28	10 56	1 55	33 15	9 24	7 46	7 34	4 44		n.a.
M29	23 33	12 3	1 19	20 16	0 49	25 4	1 11	22 14	1 10	20 32	0 1	8 21	2 35	8 12	0 28	10 55	1 55	33 16	9 24	7 47	7 35	4 46		n.a.
T 30	23n37	8n11	0s 7	20n47	0s36	25n 5	1n12	22n 6	1n 9	20s30	0s 1	8n19	2n35	8n12	0s28	10n55	1n55	33s16	9s24	7n47	7n36	4n48		n.a.

Julian Day Number = 1111606.5, Delta T = 10h51m48s
Ecliptic obliquity = 23°53'12, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'15, Lahiri = -26°59'14 Julian Calendar 1 June 1670 BCE == Greg. Calendar 18 May 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

JULY 1670 BCE (-1669) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 36 6	22♊37'17	23♍ 5	5♊38	1♋26	28♋32	29°R42	15♍13	21♈48	6♍55	2°R46	10°R27	10♍53	19♈35	n.a.	W 1
T 2	17 40 3	23°34'53	7♎12	7°14	2°40	29°11	29♏36	15°15	21°50	6°56	2♑44	10♍26	10°49	19°42	n.a.	T 2
F 3	17 43 59	24°32'30	21°30	8°55	3°55	29°49	29°30	15°18	21°52	6°57	2°43	10°24	10°46	19°49	n.a.	F 3
S 4	17 47 56	25°30'08	5♏58	10°39	5° 9	0♌28	29°23	15°21	21°54	6°58	2°42	10°20	10°43	19°55	n.a.	S 4
S 5	17 51 52	26°27'47	20°31	12°26	6°23	1° 7	29°17	15°24	21°56	6°59	2°40	10°12	10°40	20° 2	n.a.	S 5
M 6	17 55 49	27°25'28	5♐ 3	14°16	7°37	1°45	29°11	15°27	21°58	7° 0	2°39	10° 3	10°37	20° 9	n.a.	M 6
T 7	17 59 46	28°23'11	19°28	16° 9	8°52	2°24	29° 5	15°30	22° 0	7° 1	2°38	9°52	10°33	20°15	n.a.	T 7
W 8	18 3 42	29°20'55	3♑40	18° 4	10° 6	3° 3	29° 0	15°33	22° 1	7° 2	2°36	9°42	10°30	20°22	n.a.	W 8
T 9	18 7 39	0♋18'40	17°32	20° 1	11°20	3°42	28°54	15°36	22° 3	7° 3	2°35	9°32	10°27	20°29	n.a.	T 9
F 10	18 11 35	1°16'28	1♒ 1	21°59	12°34	4°20	28°49	15°40	22° 5	7° 5	2°34	9°25	10°24	20°35	n.a.	F 10
S 11	18 15 32	2°14'17	14° 7	23°58	13°49	4°59	28°43	15°43	22° 7	7° 6	2°32	9°20	10°21	20°42	n.a.	S 11
S 12	18 19 28	3°12'08	26°49	25°57	15° 3	5°38	28°38	15°47	22° 8	7° 7	2°31	9°17	10°18	20°49	n.a.	S 12
M13	18 23 25	4°10'00	9♓12	27°57	16°17	6°17	28°33	15°50	22°10	7° 8	2°30	9°D16	10°14	20°55	n.a.	M13
T 14	18 27 21	5° 7'55	21°19	29°57	17°31	6°56	28°28	15°54	22°11	7° 9	2°28	9°17	10°11	21° 2	n.a.	T 14
W15	18 31 18	6° 5'52	3♈15	1♋57	18°46	7°36	28°24	15°57	22°13	7°11	2°27	9°R17	10° 8	21° 9	n.a.	W15
T 16	18 35 15	7° 3'51	15° 6	3°57	20° 0	8°15	28°19	16° 1	22°14	7°12	2°26	9°17	10° 5	21°15	n.a.	T 16
F 17	18 39 11	8° 1'51	26°56	5°56	21°14	8°54	28°15	16° 5	22°16	7°13	2°24	9°15	10° 2	21°22	n.a.	F 17
S 18	18 43 8	8°59'54	8♉51	7°54	22°29	9°33	28°10	16° 9	22°17	7°15	2°23	9°11	9°58	21°29	n.a.	S 18
S 19	18 47 4	9°57'59	20°55	9°51	23°43	10°13	28° 6	16°13	22°19	7°16	2°22	9° 4	9°55	21°35	n.a.	S 19
M20	18 51 1	10°56'06	3♊12	11°48	24°57	10°52	28° 3	16°17	22°20	7°17	2°20	8°56	9°52	21°42	n.a.	M20
T 21	18 54 57	11°54'15	15°43	13°44	26°12	11°32	27°59	16°21	22°21	7°19	2°19	8°46	9°49	21°49	n.a.	T 21
W22	18 58 54	12°52'27	28°31	15°38	27°26	12°11	27°55	16°26	22°22	7°20	2°18	8°36	9°46	21°56	n.a.	W22
T 23	19 2 50	13°50'40	11♋34	17°31	28°40	12°51	27°52	16°30	22°23	7°22	2°16	8°27	9°43	22° 2	n.a.	T 23
F 24	19 6 47	14°48'55	24°53	19°24	29°55	13°31	27°49	16°34	22°24	7°23	2°15	8°19	9°39	22° 9	n.a.	F 24
S 25	19 10 44	15°47'12	8♌25	21°15	1♌ 9	14°11	27°46	16°39	22°25	7°25	2°14	8°13	9°36	22°16	n.a.	S 25
S 26	19 14 40	16°45'30	22° 8	23° 5	2°23	14°50	27°43	16°43	22°26	7°26	2°13	8° 9	9°33	22°22	n.a.	S 26
M27	19 18 37	17°43'51	5♍59	24°54	3°38	15°30	27°40	16°48	22°27	7°28	2°11	8°D 8	9°30	22°29	n.a.	M27
T 28	19 22 33	18°42'13	19°57	26°41	4°52	16°10	27°38	16°53	22°28	7°30	2°10	8° 9	9°27	22°36	n.a.	T 28
W29	19 26 30	19°40'37	4♎ 1	28°28	6° 7	16°50	27°36	16°58	22°29	7°31	2° 9	8°10	9°24	22°42	n.a.	W29
T 30	19 30 26	20°39'03	18° 8	0♌13	7°21	17°30	27°34	17° 2	22°30	7°33	2° 8	8°R10	9°20	22°49	n.a.	T 30
F 31	19 34 23	21♋37'30	2♏19	1♌57	8♌35	18♌10	27♏32	17♍ 7	22♈31	7♍35	2♑ 6	8♍10	9♍17	22♈56	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	23n41	3n49	1n 6	21n17	0s22	25n 6	1n13	21n57	1n 9	20s29	0s 1	8n18	2n35	8n13	0s28	10n54	1n55	33s16	9s25	7n47	7n37	4n50			n.a.
T 2	23 44	0s49	2 17	21 47	0 9	25 6	1 15	21 49	1 8	20 28	0 1	8 17	2 35	8 14	0 28	10 54	1 55	33 16	9 25	7 47	7 39	4 51			n.a.
F 3	23 46	5 28	3 19	22 16	0n 4	25 6	1 16	21 40	1 8	20 27	0 2	8 16	2 34	8 15	0 28	10 54	1 55	33 16	9 25	7 48	7 40	4 53			n.a.
S 4	23 48	9 50	4 10	22 43	0 16	25 4	1 17	21 31	1 7	20 25	0 2	8 14	2 34	8 16	0 28	10 53	1 55	33 16	9 25	7 50	7 41	4 55			n.a.
S 5	23 50	13 38	4 45	23 10	0 27	25 2	1 18	21 22	1 7	20 24	0 2	8 13	2 34	8 16	0 28	10 53	1 55	33 16	9 25	7 53	7 42	4 57			n.a.
M 6	23 52	16 36	5 1	23 34	0 38	24 59	1 19	21 13	1 6	20 23	0 2	8 12	2 34	8 17	0 28	10 52	1 55	33 16	9 25	7 57	7 44	4 59			n.a.
T 7	23 53	18 31	4 58	23 57	0 48	24 55	1 20	21 3	1 6	20 22	0 2	8 10	2 33	8 18	0 28	10 52	1 55	33 17	9 25	8 1	7 45	5 1			n.a.
W 8	23 53	19 14	4 36	24 18	0 58	24 51	1 21	20 54	1 5	20 21	0 2	8 9	2 33	8 18	0 28	10 52	1 55	33 17	9 25	8 5	7 46	5 3			n.a.
T 9	23 53	18 46	3 59	24 36	1 6	24 45	1 22	20 44	1 5	20 20	0 2	8 7	2 33	8 19	0 28	10 51	1 55	33 17	9 25	8 8	7 47	5 5			n.a.
F 10	23 53	17 14	3 9	24 52	1 14	24 39	1 23	20 34	1 4	20 19	0 3	8 6	2 33	8 20	0 28	10 51	1 55	33 17	9 25	8 11	7 48	5 7			n.a.
S 11	23 52	14 50	2 10	25 5	1 21	24 32	1 24	20 24	1 4	20 18	0 3	8 4	2 32	8 20	0 28	10 50	1 55	33 17	9 25	8 13	7 50	5 9			n.a.
S 12	23 51	11 46	1 6	25 16	1 27	24 25	1 24	20 14	1 3	20 17	0 3	8 2	2 32	8 21	0 28	10 50	1 55	33 17	9 25	8 14	7 51	5 11			n.a.
M13	23 49	8 16	0 0	25 24	1 32	24 17	1 25	20 4	1 3	20 16	0 3	8 1	2 32	8 21	0 28	10 49	1 54	33 17	9 26	8 14	7 52	5 13			n.a.
T 14	23 47	4 29	1s 4	25 30	1 36	24 8	1 25	19 53	1 2	20 15	0 3	7 59	2 32	8 22	0 28	10 49	1 54	33 17	9 26	8 14	7 53	5 14			n.a.
W15	23 45	0 35	2 5	25 32	1 40	23 58	1 26	19 42	1 2	20 14	0 3	7 57	2 32	8 23	0 28	10 48	1 54	33 17	9 26	8 14	7 55	5 16			n.a.
T 16	23 42	3n18	2 59	25 33	1 43	23 47	1 26	19 32	1 1	20 13	0 4	7 56	2 31	8 23	0 28	10 47	1 54	33 17	9 26	8 14	7 56	5 18			n.a.
F 17	23 38	7 4	3 46	25 30	1 45	23 36	1 27	19 21	1 1	20 12	0 4	7 54	2 31	8 24	0 28	10 47	1 54	33 17	9 26	8 15	7 57	5 20			n.a.
S 18	23 34	10 33	4 24	25 25	1 47	23 24	1 27	19 9	1 0	20 11	0 4	7 52	2 31	8 24	0 28	10 46	1 54	33 18	9 26	8 17	7 58	5 22			n.a.
S 19	23 30	13 40	4 50	25 18	1 48	23 12	1 27	18 58	1 0	20 10	0 4	7 50	2 31	8 25	0 28	10 46	1 54	33 18	9 26	8 19	7 59	5 24			n.a.
M20	23 26	16 13	5 4	25 9	1 48	22 58	1 28	18 47	0 59	20 10	0 4	7 49	2 30	8 25	0 28	10 45	1 54	33 18	9 26	8 22	8 1	5 26			n.a.
T 21	23 20	18 5	5 3	24 57	1 48	22 44	1 28	18 35	0 59	20 9	0 4	7 47	2 30	8 26	0 28	10 45	1 54	33 18	9 26	8 26	8 2	5 28			n.a.
W22	23 15	19 6	4 47	24 43	1 47	22 30	1 28	18 23	0 58	20 8	0 4	7 45	2 30	8 26	0 28	10 44	1 54	33 18	9 26	8 30	8 3	5 30			n.a.
T 23	23 9	19 7	4 16	24 27	1 45	22 14	1 28	18 11	0 58	20 8	0 5	7 43	2 30	8 26	0 28	10 43	1 54	33 18	9 26	8 33	8 4	5 32			n.a.
F 24	23 3	18 6	3 31	24 10	1 44	21 58	1 28	17 59	0 57	20 7	0 5	7 41	2 30	8 27	0 28	10 43	1 54	33 18	9 26	8 36	8 6	5 34			n.a.
S 25	22 56	16 2	2 33	23 50	1 41	21 42	1 27	17 47	0 57	20 7	0 5	7 39	2 29	8 27	0 28	10 42	1 54	33 18	9 26	8 39	8 7	5 35			n.a.
S 26	22 49	13 3	1 25	23 29	1 38	21 24	1 27	17 35	0 56	20 6	0 5	7 37	2 29	8 28	0 28	10 42	1 54	33 18	9 26	8 40	8 8	5 37			n.a.
M27	22 41	9 18	0 12	23 6	1 35	21 7	1 27	17 22	0 56	20 6	0 5	7 35	2 29	8 28	0 28	10 41	1 54	33 18	9 26	8 40	8 9	5 39			n.a.
T 28	22 33	5 1	1n 3	22 42	1 31	20 48	1 27	17 10	0 55	20 5	0 5	7 33	2 29	8 28	0 28	10 40	1 54	33 18	9 26	8 40	8 10	5 41			n.a.
W29	22 25	0 26	2 15	22 17	1 27	20 29	1 26	16 57	0 55	20 5	0 5	7 31	2 29	8 28	0 28	10 40	1 54	33 18	9 26	8 40	8 12	5 43			n.a.
T 30	22 16	4s11	3 19	21 50	1 23	20 9	1 26	16 44	0 54	20 4	0 6	7 29	2 28	8 29	0 28	10 39	1 54	33 18	9 26	8 40	8 13	5 45			n.a.
F 31	22n 7	8s35	4n11	21n22	1n18	19n49	1n25	16n31	0n53	20s 4	0s 6	7n27	2n28	8n29	0s28	10n38	1n54	33s18	9s26	8n40	8n14	5n47			n.a.

Julian Day Number = 1111636.5, Delta T = 10h51m46s
Ecliptic obliquity = 23°53'12, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'11, Lahiri = -26°59'10 Julian Calendar 1 July 1670 BCE == Greg. Calendar 17 June 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

AUGUST 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 38 19	22♋35'59	16♏30	3♌40	9♌50	18♌50	27°R30	17♍12	22♈31	7♍36	2°R 5	8°R 8	9♍14	23♈ 2	n.a.	S 1
S 2	19 42 16	23°34'30	0♐40	5°22	11° 4	19°30	27♏29	17°17	22°32	7°38	2♑ 4	8♍ 4	9°11	23° 9	n.a.	S 2
M 3	19 46 12	24°33'03	14°46	7° 3	12°18	20°11	27°28	17°22	22°32	7°40	2° 3	7°58	9° 8	23°16	n.a.	M 3
T 4	19 50 9	25°31'38	28°44	8°42	13°33	20°51	27°26	17°28	22°33	7°41	2° 1	7°51	9° 4	23°22	n.a.	T 4
W 5	19 54 6	26°30'15	12♑30	10°21	14°47	21°31	27°26	17°33	22°33	7°43	2° 0	7°44	9° 1	23°29	n.a.	W 5
T 6	19 58 2	27°28'54	26° 1	11°59	16° 1	22°12	27°25	17°38	22°34	7°45	1°59	7°38	8°58	23°36	n.a.	T 6
F 7	20 1 59	28°27'35	9♒14	13°35	17°16	22°52	27°24	17°43	22°34	7°47	1°58	7°33	8°55	23°42	n.a.	F 7
S 8	20 5 55	29°26'18	22° 8	15°11	18°30	23°33	27°24	17°49	22°35	7°49	1°57	7°30	8°52	23°49	n.a.	S 8
S 9	20 9 52	0♌25'03	4♓45	16°45	19°45	24°13	27°D24	17°54	22°35	7°51	1°56	7°D29	8°49	23°56	n.a.	S 9
M10	20 13 48	1°23'51	17° 4	18°19	20°59	24°54	27°24	18° 0	22°35	7°52	1°54	7°30	8°45	24° 3	n.a.	M10
T 11	20 17 45	2°22'40	29°10	19°51	22°13	25°35	27°24	18° 5	22°35	7°54	1°53	7°31	8°42	24° 9	n.a.	T 11
W12	20 21 41	3°21'33	11♈ 7	21°23	23°28	26°15	27°25	18°11	22°35	7°56	1°52	7°33	8°39	24°16	n.a.	W12
T 13	20 25 38	4°20'27	22°58	22°53	24°42	26°56	27°25	18°16	22°35	7°58	1°51	7°34	8°36	24°23	n.a.	T 13
F 14	20 29 34	5°19'25	4♉49	24°23	25°56	27°37	27°26	18°22	22°R35	8° 0	1°50	7°R35	8°33	24°29	n.a.	F 14
S 15	20 33 31	6°18'24	16°44	25°51	27°11	28°18	27°27	18°28	22°35	8° 2	1°49	7°34	8°30	24°36	n.a.	S 15
S 16	20 37 28	7°17'26	28°49	27°19	28°25	28°59	27°29	18°34	22°35	8° 4	1°48	7°32	8°26	24°43	n.a.	S 16
M17	20 41 24	8°16'31	11♊ 8	28°46	29°39	29°40	27°30	18°40	22°35	8° 6	1°47	7°29	8°23	24°49	n.a.	M17
T 18	20 45 21	9°15'38	23°45	0♍11	0♍54	0♍21	27°32	18°46	22°35	8° 8	1°46	7°25	8°20	24°56	n.a.	T 18
W19	20 49 17	10°14'48	6♋41	1°35	2° 8	1° 2	27°33	18°52	22°35	8°10	1°45	7°21	8°17	25° 3	n.a.	W19
T 20	20 53 14	11°13'59	19°58	2°59	3°22	1°44	27°35	18°58	22°34	8°12	1°44	7°16	8°14	25° 9	n.a.	T 20
F 21	20 57 10	12°13'14	3♌35	4°21	4°36	2°25	27°38	19° 4	22°34	8°14	1°43	7°13	8°10	25°16	n.a.	F 21
S 22	21 1 7	13°12'30	17°30	5°42	5°51	3° 6	27°40	19°10	22°33	8°16	1°42	7°11	8° 7	25°23	n.a.	S 22
S 23	21 5 3	14°11'49	1♍38	7° 2	7° 5	3°48	27°43	19°16	22°33	8°18	1°41	7°D 9	8° 4	25°29	n.a.	S 23
M24	21 9 0	15°11'09	15°57	8°21	8°19	4°29	27°45	19°22	22°32	8°20	1°40	7°10	8° 1	25°36	n.a.	M24
T 25	21 12 56	16°10'32	0♎20	9°38	9°34	5°11	27°48	19°28	22°32	8°23	1°39	7°11	7°58	25°43	n.a.	T 25
W26	21 16 53	17° 9'56	14°45	10°54	10°48	5°52	27°51	19°35	22°31	8°25	1°39	7°12	7°55	25°50	n.a.	W26
T 27	21 20 50	18° 9'23	29° 5	12° 8	12° 2	6°34	27°55	19°41	22°31	8°27	1°38	7°13	7°51	25°56	n.a.	T 27
F 28	21 24 46	19° 8'52	13♏20	13°21	13°16	7°16	27°58	19°47	22°30	8°29	1°37	7°R14	7°48	26° 3	n.a.	F 28
S 29	21 28 43	20° 8'22	27°26	14°32	14°31	7°57	28° 2	19°54	22°29	8°31	1°36	7°14	7°45	26°10	n.a.	S 29
S 30	21 32 39	21° 7'54	11♐21	15°42	15°45	8°39	28° 6	20° 0	22°28	8°33	1°35	7°13	7°42	26°16	n.a.	S 30
M31	21 36 36	22♌ 7'29	25♐ 6	16♍49	16♍59	9♍21	28♏10	20♍ 7	22♈27	8♍35	1♑35	7♍11	7♍39	26♈23	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n57	12s30	4n47	20n53	1n13	19n28	1n24	16n18	0n53	20s 4	0s 6	7n25	2n28	8n29	0s28	10n38	1n54	33s18	9s26	8n41	8n15	5n49		n.a.
S 2	21 47	15 41	5 6	20 23	1 8	19 7	1 24	16 4	0 52	20 4	0 6	7 22	2 28	8 29	0 28	10 37	1 54	33 18	9 26	8 42	8 16	5 51		n.a.
M 3	21 37	17 55	5 7	19 52	1 3	18 45	1 23	15 51	0 52	20 4	0 6	7 20	2 28	8 30	0 28	10 36	1 54	33 18	9 26	8 44	8 18	5 53		n.a.
T 4	21 26	19 4	4 49	19 20	0 57	18 23	1 22	15 37	0 51	20 3	0 6	7 18	2 27	8 30	0 28	10 35	1 53	33 18	9 26	8 47	8 19	5 55		n.a.
W 5	21 15	19 4	4 14	18 47	0 51	18 0	1 21	15 24	0 51	20 3	0 6	7 16	2 27	8 30	0 28	10 35	1 53	33 18	9 26	8 50	8 20	5 56		n.a.
T 6	21 3	17 58	3 26	18 14	0 45	17 36	1 20	15 10	0 50	20 3	0 7	7 14	2 27	8 30	0 28	10 34	1 53	33 18	9 26	8 52	8 21	5 58		n.a.
F 7	20 51	15 55	2 28	17 40	0 38	17 12	1 19	14 56	0 50	20 3	0 7	7 11	2 27	8 30	0 28	10 33	1 53	33 18	9 25	8 54	8 23	6 0		n.a.
S 8	20 39	13 5	1 23	17 5	0 31	16 48	1 18	14 42	0 49	20 3	0 7	7 9	2 27	8 30	0 28	10 33	1 53	33 18	9 25	8 55	8 24	6 2		n.a.
S 9	20 26	9 43	0 15	16 30	0 25	16 23	1 17	14 27	0 49	20 4	0 7	7 7	2 27	8 30	0 28	10 32	1 53	33 18	9 25	8 55	8 25	6 4		n.a.
M10	20 13	6 0	0s52	15 54	0 18	15 58	1 16	14 13	0 48	20 4	0 7	7 4	2 26	8 31	0 28	10 31	1 53	33 18	9 25	8 55	8 26	6 6		n.a.
T 11	20 0	2 6	1 56	15 18	0 11	15 32	1 14	13 59	0 48	20 4	0 7	7 2	2 26	8 31	0 28	10 30	1 53	33 18	9 25	8 55	8 27	6 8		n.a.
W12	19 46	1n49	2 53	14 42	0 4	15 6	1 13	13 44	0 47	20 4	0 7	7 0	2 26	8 31	0 28	10 30	1 53	33 17	9 25	8 54	8 29	6 10		n.a.
T 13	19 32	5 38	3 43	14 5	0s 4	14 39	1 12	13 29	0 46	20 4	0 7	6 57	2 26	8 31	0 28	10 29	1 53	33 17	9 25	8 53	8 30	6 12		n.a.
F 14	19 17	9 14	4 24	13 28	0 11	14 12	1 10	13 14	0 46	20 5	0 8	6 55	2 26	8 31	0 28	10 28	1 53	33 17	9 25	8 53	8 31	6 14		n.a.
S 15	19 3	12 28	4 53	12 51	0 18	13 45	1 9	12 59	0 45	20 5	0 8	6 52	2 26	8 31	0 28	10 27	1 53	33 17	9 25	8 53	8 32	6 15		n.a.
S 16	18 48	15 14	5 10	12 13	0 26	13 17	1 7	12 44	0 45	20 5	0 8	6 50	2 26	8 30	0 28	10 27	1 53	33 17	9 25	8 54	8 33	6 17		n.a.
M17	18 32	17 22	5 13	11 36	0 34	12 49	1 5	12 29	0 44	20 6	0 8	6 47	2 25	8 30	0 28	10 26	1 53	33 17	9 25	8 55	8 35	6 19		n.a.
T 18	18 16	18 44	5 1	10 58	0 41	12 21	1 4	12 14	0 44	20 6	0 8	6 45	2 25	8 30	0 28	10 25	1 53	33 17	9 25	8 57	8 36	6 21		n.a.
W19	18 0	19 10	4 33	10 21	0 49	11 52	1 2	11 59	0 43	20 7	0 8	6 42	2 25	8 30	0 28	10 24	1 53	33 17	9 25	8 58	8 37	6 23		n.a.
T 20	17 44	18 34	3 51	9 43	0 57	11 23	1 0	11 43	0 42	20 8	0 8	6 40	2 25	8 30	0 28	10 23	1 53	33 17	9 24	9 0	8 38	6 25		n.a.
F 21	17 27	16 53	2 54	9 6	1 4	10 54	0 58	11 27	0 42	20 8	0 8	6 37	2 25	8 30	0 29	10 23	1 53	33 17	9 24	9 1	8 40	6 27		n.a.
S 22	17 10	14 12	1 46	8 29	1 12	10 24	0 56	11 12	0 41	20 9	0 9	6 35	2 25	8 30	0 29	10 22	1 53	33 17	9 24	9 2	8 41	6 29		n.a.
S 23	16 53	10 37	0 30	7 52	1 20	9 55	0 54	10 56	0 41	20 10	0 9	6 32	2 25	8 30	0 29	10 21	1 53	33 17	9 24	9 3	8 42	6 31		n.a.
M24	16 35	6 23	0n48	7 15	1 27	9 24	0 52	10 40	0 40	20 10	0 9	6 29	2 24	8 29	0 29	10 20	1 53	33 17	9 24	9 3	8 43	6 33		n.a.
T 25	16 17	1 46	2 4	6 39	1 35	8 54	0 50	10 24	0 40	20 11	0 9	6 27	2 24	8 29	0 29	10 19	1 53	33 16	9 24	9 2	8 44	6 34		n.a.
W26	15 59	2s58	3 13	6 3	1 42	8 23	0 48	10 8	0 39	20 12	0 9	6 24	2 24	8 29	0 29	10 18	1 53	33 16	9 24	9 2	8 46	6 36		n.a.
T 27	15 40	7 29	4 9	5 27	1 50	7 53	0 46	9 52	0 38	20 13	0 9	6 22	2 24	8 29	0 29	10 18	1 53	33 16	9 24	9 1	8 47	6 38		n.a.
F 28	15 22	11 32	4 49	4 52	1 57	7 22	0 44	9 35	0 38	20 14	0 9	6 19	2 24	8 28	0 29	10 17	1 53	33 16	9 24	9 1	8 48	6 40		n.a.
S 29	15 3	14 54	5 11	4 18	2 4	6 50	0 41	9 19	0 37	20 15	0 9	6 16	2 24	8 28	0 29	10 16	1 53	33 16	9 23	9 1	8 49	6 42		n.a.
S 30	14 43	17 21	5 15	3 44	2 11	6 19	0 39	9 2	0 37	20 16	0 9	6 14	2 24	8 28	0 29	10 15	1 53	33 16	9 23	9 1	8 50	6 44		n.a.
M31	14n24	18s47	5n 1	3n11	2s18	5n48	0n37	8n46	0n36	20s17	0s10	6n11	2n24	8n27	0s29	10n14	1n53	33s16	9s23	9n 2	8n52	6n46		n.a.

Julian Day Number = 1111667.5, Delta T = 10h51m44s
Ecliptic obliquity = 23°53'12, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'07, Lahiri = -26°59'06 Julian Calendar 1 Aug. 1670 BCE == Greg. Calendar 18 July 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

SEPTEMBER 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 40 32	23♌ 7'05	8♉38	17♍54	18♍13	10♍ 3	28♏14	20♍13	22°R26	8♍38	1°R34	7°R10	7♍36	26♈30	n.a.	T 1
W 2	21 44 29	24° 6'43	21°57	18°57	19°27	10°45	28°19	20°20	22♈26	8°40	1♉33	7♍ 8	7°32	26°36	n.a.	W 2
T 3	21 48 25	25° 6'23	5♒ 3	19°58	20°42	11°27	28°23	20°26	22°25	8°42	1°32	7° 6	7°29	26°43	n.a.	T 3
F 4	21 52 22	26° 6'06	17°54	20°55	21°56	12° 9	28°28	20°33	22°23	8°44	1°32	7° 5	7°26	26°50	n.a.	F 4
S 5	21 56 18	27° 5'50	0♓32	21°50	23°10	12°51	28°33	20°40	22°22	8°46	1°31	7° 4	7°23	26°56	n.a.	S 5
S 6	22 0 15	28° 5'36	12°56	22°41	24°24	13°33	28°38	20°46	22°21	8°49	1°31	7°D 4	7°20	27° 3	n.a.	S 6
M 7	22 4 12	29° 5'25	25° 8	23°29	25°38	14°16	28°43	20°53	22°20	8°51	1°30	7° 5	7°16	27°10	n.a.	M 7
T 8	22 8 8	0♍ 5'16	7♈10	24°13	26°52	14°58	28°49	21° 0	22°19	8°53	1°29	7° 5	7°13	27°16	n.a.	T 8
W 9	22 12 5	1° 5'09	19° 5	24°52	28° 6	15°40	28°55	21° 6	22°17	8°55	1°29	7° 6	7°10	27°23	n.a.	W 9
T 10	22 16 1	2° 5'05	0♉56	25°26	29°20	16°23	29° 0	21°13	22°16	8°57	1°28	7° 7	7° 7	27°30	n.a.	T 10
F 11	22 19 58	3° 5'02	12°46	25°55	0♎34	17° 5	29° 6	21°20	22°15	9° 0	1°28	7° 7	7° 4	27°37	n.a.	F 11
S 12	22 23 54	4° 5'03	24°41	26°18	1°48	17°48	29°12	21°27	22°13	9° 2	1°27	7° 7	7° 1	27°43	n.a.	S 12
S 13	22 27 51	5° 5'05	6♊44	26°34	3° 3	18°30	29°19	21°34	22°12	9° 4	1°27	7°R 7	6°57	27°50	n.a.	S 13
M14	22 31 47	6° 5'10	19° 1	26°43	4°17	19°13	29°25	21°40	22°10	9° 6	1°26	7° 7	6°54	27°57	n.a.	M14
T 15	22 35 44	7° 5'17	1♋35	26°R45	5°31	19°56	29°32	21°47	22° 9	9° 9	1°26	7°D 7	6°51	28° 3	n.a.	T 15
W16	22 39 40	8° 5'27	14°31	26°38	6°45	20°38	29°39	21°54	22° 7	9°11	1°26	7° 7	6°48	28°10	n.a.	W16
T 17	22 43 37	9° 5'39	27°50	26°23	7°59	21°21	29°45	22° 1	22° 6	9°13	1°25	7° 8	6°45	28°17	n.a.	T 17
F 18	22 47 34	10° 5'53	11♌35	25°58	9°12	22° 4	29°53	22° 8	22° 4	9°15	1°25	7° 8	6°41	28°23	n.a.	F 18
S 19	22 51 30	11° 6'09	25°43	25°25	10°26	22°47	29°59	22°15	22° 2	9°18	1°25	7° 8	6°38	28°30	n.a.	S 19
S 20	22 55 27	12° 6'27	10♍12	24°41	11°40	23°30	0♐ 7	22°22	22° 0	9°20	1°24	7°R 8	6°35	28°37	n.a.	S 20
M21	22 59 23	13° 6'47	24°56	23°49	12°54	24°13	0°15	22°29	21°59	9°22	1°24	7° 8	6°32	28°43	n.a.	M21
T 22	23 3 20	14° 7'08	9♎48	22°48	14° 8	24°56	0°22	22°36	21°57	9°24	1°24	7° 7	6°29	28°50	n.a.	T 22
W23	23 7 16	15° 7'32	24°39	21°40	15°22	25°39	0°30	22°43	21°55	9°27	1°24	7° 7	6°26	28°57	n.a.	W23
T 24	23 11 13	16° 7'57	9♏23	20°26	16°36	26°23	0°38	22°50	21°53	9°29	1°23	7° 6	6°22	29° 4	n.a.	T 24
F 25	23 15 9	17° 8'24	23°53	19° 8	17°50	27° 6	0°46	22°57	21°51	9°31	1°23	7° 5	6°19	29°10	n.a.	F 25
S 26	23 19 6	18° 8'53	8♐ 7	17°49	19° 4	27°49	0°55	23° 4	21°49	9°33	1°23	7° 4	6°16	29°17	n.a.	S 26
S 27	23 23 3	19° 9'23	22° 0	16°31	20°17	28°33	1° 3	23°11	21°47	9°36	1°23	7°D 4	6°13	29°24	n.a.	S 27
M28	23 26 59	20° 9'54	5♉34	15°17	21°31	29°16	1°11	23°18	21°45	9°38	1°23	7° 4	6°10	29°30	n.a.	M28
T 29	23 30 56	21°10'27	18°50	14° 8	22°45	29°59	1°20	23°25	21°43	9°40	1°23	7° 5	6° 7	29°37	n.a.	T 29
W30	23 34 52	22♍11'01	1♒48	13♍ 7	23♎59	0♎43	1♐29	23♍32	21♈41	9♍42	1°D23	7♍ 6	6♍ 3	29♈44	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n 4	19s 7	4n30	2n39	2s25	5n16	0n34	8n29	0n35	20s18	0s10	6n 8	2n24	8n27	0s29	10n13	1n53	33s16	9s23	9n 3	8n53	6n48		n.a.
W 2	13 44	18 22	3 45	2 9	2 31	4 44	0 32	8 13	0 35	20 19	0 10	6 5	2 23	8 27	0 29	10 13	1 53	33 15	9 23	9 3	8 54	6 50		n.a.
T 3	13 24	16 38	2 48	1 39	2 37	4 12	0 29	7 56	0 34	20 20	0 10	6 3	2 23	8 26	0 29	10 12	1 53	33 15	9 23	9 4	8 55	6 52		n.a.
F 4	13 3	14 6	1 44	1 11	2 43	3 40	0 27	7 39	0 34	20 21	0 10	6 0	2 23	8 26	0 29	10 11	1 53	33 15	9 23	9 4	8 56	6 53		n.a.
S 5	12 42	10 56	0 36	0 44	2 48	3 8	0 24	7 22	0 33	20 22	0 10	5 57	2 23	8 25	0 29	10 10	1 53	33 15	9 22	9 5	8 58	6 55		n.a.
S 6	12 21	7 19	0s32	0 19	2 53	2 36	0 22	7 5	0 32	20 24	0 10	5 55	2 23	8 25	0 29	10 9	1 53	33 15	9 22	9 5	8 59	6 57		n.a.
M 7	12 0	3 28	1 39	0s 5	2 58	2 3	0 19	6 48	0 32	20 25	0 10	5 52	2 23	8 24	0 29	10 8	1 53	33 15	9 22	9 4	9 0	6 59		n.a.
T 8	11 39	0n28	2 39	0 26	3 2	1 31	0 16	6 31	0 31	20 26	0 10	5 49	2 23	8 24	0 29	10 7	1 53	33 15	9 22	9 4	9 1	7 1		n.a.
W 9	11 17	4 20	3 33	0 45	3 5	0 58	0 14	6 13	0 31	20 28	0 11	5 46	2 23	8 23	0 29	10 7	1 53	33 14	9 22	9 4	9 2	7 3		n.a.
T 10	10 56	8 1	4 17	1 1	3 8	0 26	0 11	5 56	0 30	20 29	0 11	5 43	2 23	8 23	0 29	10 6	1 53	33 14	9 22	9 4	9 4	7 5		n.a.
F 11	10 34	11 22	4 50	1 15	3 10	0s 7	0 8	5 39	0 29	20 30	0 11	5 41	2 23	8 22	0 29	10 5	1 53	33 14	9 21	9 3	9 5	7 7		n.a.
S 12	10 12	14 17	5 10	1 25	3 11	0 39	0 5	5 21	0 29	20 32	0 11	5 38	2 23	8 22	0 29	10 4	1 53	33 14	9 21	9 3	9 6	7 9		n.a.
S 13	9 49	16 37	5 18	1 32	3 11	1 12	0 3	5 4	0 28	20 33	0 11	5 35	2 23	8 21	0 29	10 3	1 53	33 14	9 21	9 3	9 7	7 10		n.a.
M14	9 27	18 16	5 11	1 35	3 10	1 44	0s 0	4 46	0 28	20 35	0 11	5 32	2 23	8 21	0 29	10 2	1 53	33 14	9 21	9 3	9 8	7 12		n.a.
T 15	9 4	19 3	4 49	1 33	3 8	2 17	0 3	4 28	0 27	20 36	0 11	5 29	2 23	8 20	0 29	10 1	1 53	33 14	9 21	9 3	9 10	7 14		n.a.
W16	8 41	18 54	4 13	1 27	3 5	2 49	0 6	4 11	0 26	20 38	0 11	5 27	2 22	8 20	0 29	10 1	1 53	33 13	9 21	9 3	9 11	7 16		n.a.
T 17	8 18	17 42	3 21	1 16	2 59	3 21	0 9	3 53	0 26	20 40	0 11	5 24	2 22	8 19	0 29	10 0	1 53	33 13	9 20	9 3	9 12	7 18		n.a.
F 18	7 55	15 26	2 17	1 0	2 53	3 54	0 12	3 35	0 25	20 41	0 11	5 21	2 22	8 18	0 29	9 59	1 53	33 13	9 20	9 3	9 13	7 20		n.a.
S 19	7 32	12 12	1 3	0 39	2 44	4 26	0 15	3 17	0 24	20 43	0 12	5 18	2 22	8 18	0 29	9 58	1 53	33 13	9 20	9 3	9 14	7 22		n.a.
S 20	7 9	8 9	0n17	0 12	2 34	4 58	0 17	2 59	0 24	20 45	0 12	5 15	2 22	8 17	0 29	9 57	1 53	33 13	9 20	9 3	9 16	7 24		n.a.
M21	6 45	3 32	1 37	0n21	2 21	5 30	0 20	2 42	0 23	20 46	0 12	5 12	2 22	8 16	0 29	9 56	1 53	33 12	9 20	9 3	9 17	7 26		n.a.
T 22	6 22	1s20	2 52	0 58	2 7	6 2	0 23	2 24	0 23	20 48	0 12	5 10	2 22	8 16	0 29	9 55	1 53	33 12	9 20	9 3	9 18	7 27		n.a.
W23	5 58	6 6	3 54	1 40	1 51	6 34	0 26	2 6	0 22	20 50	0 12	5 7	2 22	8 15	0 29	9 55	1 53	33 12	9 19	9 4	9 19	7 29		n.a.
T 24	5 34	10 27	4 41	2 26	1 33	7 5	0 29	1 48	0 21	20 52	0 12	5 4	2 22	8 14	0 29	9 54	1 53	33 12	9 19	9 4	9 20	7 31		n.a.
F 25	5 10	14 7	5 9	3 14	1 14	7 37	0 32	1 29	0 21	20 54	0 12	5 1	2 22	8 13	0 29	9 53	1 53	33 12	9 19	9 4	9 22	7 33		n.a.
S 26	4 46	16 51	5 17	4 4	0 54	8 8	0 35	1 11	0 20	20 55	0 12	4 58	2 22	8 13	0 29	9 52	1 53	33 12	9 19	9 5	9 23	7 35		n.a.
S 27	4 22	18 33	5 6	4 54	0 34	8 39	0 38	0 53	0 19	20 57	0 12	4 55	2 22	8 12	0 29	9 51	1 53	33 11	9 19	9 5	9 24	7 37		n.a.
M28	3 58	19 7	4 39	5 42	0 13	9 10	0 41	0 35	0 19	20 59	0 12	4 52	2 22	8 11	0 29	9 50	1 53	33 11	9 18	9 5	9 25	7 39		n.a.
T 29	3 34	18 38	3 57	6 28	0n 7	9 41	0 44	0 17	0 18	21 1	0 13	4 50	2 22	8 10	0 29	9 50	1 53	33 11	9 18	9 4	9 26	7 41		n.a.
W30	3n 9	17s 9	3n 3	7n10	0n27	10s11	0s47	0s 1	0n18	21s 3	0s13	4n47	2n22	8n 9	0s29	9n49	1n53	33s11	9s18	9n 4	9n28	7n42		n.a.

Julian Day Number = 1111698.5, Delta T = 10h51m42s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°06'02, Lahiri = -26°59'02 Julian Calendar 1 Sept. 1670 BCE == Greg. Calendar 18 Aug. 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

OCTOBER 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 38 49	23♍11'37	14♒32	12°R16	25♎12	1♎27	1♐38	23♍39	21°R39	9♍44	1♑23	7♍ 8	6♍ 0	29♈50	n.a.	T 1
F 2	23 42 45	24°12'14	27° 3	11♍36	26°26	2°10	1°47	23°46	21♈37	9°47	1°23	7° 9	5°57	29°57	n.a.	F 2
S 3	23 46 42	25°12'53	9♓22	11° 7	27°40	2°54	1°56	23°53	21°34	9°49	1°23	7°R 9	5°54	0♉ 4	n.a.	S 3
S 4	23 50 38	26°13'34	21°33	10°51	28°53	3°38	2° 5	24° 0	21°32	9°51	1°23	7° 8	5°51	0°11	n.a.	S 4
M 5	23 54 35	27°14'16	3♈36	10°D45	0♏ 7	4°22	2°15	24° 7	21°30	9°53	1°23	7° 7	5°47	0°17	n.a.	M 5
T 6	23 58 31	28°14'59	15°33	10°51	1°20	5° 5	2°24	24°14	21°28	9°55	1°24	7° 4	5°44	0°24	n.a.	T 6
W 7	0 2 28	29°15'44	27°25	11° 8	2°34	5°49	2°34	24°21	21°25	9°57	1°24	7° 0	5°41	0°31	n.a.	W 7
T 8	0 6 25	0♎16'31	9♉16	11°33	3°47	6°33	2°44	24°29	21°23	10° 0	1°24	6°56	5°38	0°37	n.a.	T 8
F 9	0 10 21	1°17'20	21° 7	12° 8	5° 1	7°17	2°54	24°36	21°21	10° 2	1°24	6°52	5°35	0°44	n.a.	F 9
S 10	0 14 18	2°18'10	3♊ 1	12°51	6°14	8° 1	3° 4	24°43	21°18	10° 4	1°24	6°48	5°32	0°51	n.a.	S 10
S 11	0 18 14	3°19'02	15° 2	13°40	7°28	8°45	3°14	24°50	21°16	10° 6	1°25	6°46	5°28	0°57	n.a.	S 11
M12	0 22 11	4°19'56	27°15	14°36	8°41	9°30	3°24	24°57	21°13	10° 8	1°25	6°44	5°25	1° 4	n.a.	M12
T 13	0 26 7	5°20'51	9♋44	15°37	9°54	10°14	3°35	25° 4	21°11	10°10	1°25	6°D44	5°22	1°11	n.a.	T 13
W14	0 30 4	6°21'48	22°32	16°43	11° 8	10°58	3°45	25°10	21° 9	10°12	1°26	6°45	5°19	1°18	n.a.	W14
T 15	0 34 0	7°22'46	5♌45	17°52	12°21	11°42	3°56	25°17	21° 6	10°14	1°26	6°47	5°16	1°24	n.a.	T 15
F 16	0 37 57	8°23'46	19°24	19° 6	13°34	12°27	4° 7	25°24	21° 4	10°16	1°27	6°48	5°12	1°31	n.a.	F 16
S 17	0 41 54	9°24'47	3♍32	20°22	14°48	13°11	4°17	25°31	21° 1	10°18	1°27	6°R49	5° 9	1°38	n.a.	S 17
S 18	0 45 50	10°25'50	18° 6	21°40	16° 1	13°56	4°28	25°38	20°59	10°20	1°27	6°49	5° 6	1°44	n.a.	S 18
M19	0 49 47	11°26'54	3♎ 1	23° 1	17°14	14°40	4°39	25°45	20°56	10°22	1°28	6°46	5° 3	1°51	n.a.	M19
T 20	0 53 43	12°27'59	18°11	24°24	18°27	15°25	4°50	25°52	20°54	10°24	1°29	6°43	5° 0	1°58	n.a.	T 20
W21	0 57 40	13°29'05	3♏25	25°48	19°40	16°10	5° 2	25°59	20°51	10°26	1°29	6°37	4°57	2° 4	n.a.	W21
T 22	1 1 36	14°30'13	18°33	27°14	20°53	16°54	5°13	26° 6	20°49	10°28	1°30	6°31	4°53	2°11	n.a.	T 22
F 23	1 5 33	15°31'21	3♐26	28°41	22° 6	17°39	5°24	26°12	20°46	10°30	1°30	6°26	4°50	2°18	n.a.	F 23
S 24	1 9 29	16°32'30	17°55	0♎ 8	23°19	18°24	5°36	26°19	20°44	10°32	1°31	6°21	4°47	2°25	n.a.	S 24
S 25	1 13 26	17°33'39	1♑59	1°37	24°32	19° 9	5°47	26°26	20°41	10°34	1°32	6°18	4°44	2°31	n.a.	S 25
M26	1 17 23	18°34'49	15°35	3° 6	25°45	19°54	5°59	26°33	20°38	10°36	1°32	6°D17	4°41	2°38	n.a.	M26
T 27	1 21 19	19°36'00	28°46	4°36	26°58	20°39	6°11	26°39	20°36	10°38	1°33	6°17	4°38	2°45	n.a.	T 27
W28	1 25 16	20°37'11	11♒35	6° 6	28°11	21°23	6°23	26°46	20°33	10°40	1°34	6°18	4°34	2°51	n.a.	W28
T 29	1 29 12	21°38'23	24° 6	7°37	29°24	22° 9	6°35	26°53	20°31	10°41	1°34	6°20	4°31	2°58	n.a.	T 29
F 30	1 33 9	22°39'35	6♓23	9° 7	0♐36	22°54	6°47	26°59	20°28	10°43	1°35	6°R21	4°28	3° 5	n.a.	F 30
S 31	1 37 5	23♎40'48	18♓30	10♎39	1♐49	23♎39	6♐59	27♍ 6	20♈26	10♍45	1♑36	6♍20	4♍25	3♉11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n45	14s50	2n 2	7n46	0n45	10s42	0s49	0s20	0n17	21s 5	0s13	4n44	2n22	8n 9	0s29	9n48	1n53	33s11	9s18	9n 3	9n29	7n44		n.a.
F 2	2 21	11 51	0 56	8 18	1 2	11 12	0 52	0 38	0 16	21 7	0 13	4 41	2 22	8 8	0 29	9 47	1 53	33 10	9 18	9 3	9 30	7 46		n.a.
S 3	1 56	8 23	0s12	8 43	1 17	11 41	0 55	0 56	0 16	21 9	0 13	4 38	2 22	8 7	0 29	9 46	1 53	33 10	9 18	9 3	9 31	7 48		n.a.
S 4	1 32	4 37	1 19	9 2	1 31	12 11	0 58	1 14	0 15	21 11	0 13	4 35	2 22	8 6	0 29	9 45	1 53	33 10	9 17	9 3	9 32	7 50		n.a.
M 5	1 7	0 41	2 21	9 15	1 42	12 40	1 1	1 33	0 14	21 13	0 13	4 33	2 22	8 5	0 29	9 45	1 53	33 10	9 17	9 4	9 33	7 52		n.a.
T 6	0 43	3n13	3 16	9 22	1 52	13 9	1 4	1 51	0 14	21 15	0 13	4 30	2 22	8 4	0 29	9 44	1 53	33 10	9 17	9 5	9 35	7 54		n.a.
W 7	0 18	6 59	4 3	9 23	2 1	13 38	1 6	2 9	0 13	21 17	0 13	4 27	2 22	8 3	0 29	9 43	1 53	33 10	9 17	9 6	9 36	7 56		n.a.
T 8	0s 7	10 27	4 38	9 19	2 7	14 6	1 9	2 28	0 12	21 19	0 13	4 24	2 22	8 3	0 29	9 42	1 53	33 9	9 17	9 8	9 37	7 57		n.a.
F 9	0 31	13 31	5 2	9 10	2 13	14 34	1 12	2 46	0 12	21 21	0 13	4 21	2 22	8 2	0 29	9 41	1 53	33 9	9 16	9 9	9 38	7 59		n.a.
S 10	0 56	16 2	5 13	8 57	2 16	15 1	1 15	3 4	0 11	21 23	0 14	4 18	2 22	8 1	0 29	9 41	1 53	33 9	9 16	9 11	9 39	8 1		n.a.
S 11	1 21	17 53	5 11	8 40	2 19	15 28	1 17	3 23	0 10	21 25	0 14	4 16	2 22	8 0	0 29	9 40	1 53	33 9	9 16	9 12	9 41	8 3		n.a.
M12	1 45	18 57	4 54	8 19	2 20	15 55	1 20	3 41	0 10	21 27	0 14	4 13	2 22	7 59	0 29	9 39	1 53	33 9	9 16	9 12	9 42	8 5		n.a.
T 13	2 10	19 9	4 24	7 56	2 21	16 21	1 22	3 59	0 9	21 29	0 14	4 10	2 22	7 58	0 29	9 38	1 53	33 8	9 16	9 12	9 43	8 7		n.a.
W14	2 34	18 22	3 39	7 29	2 20	16 47	1 25	4 17	0 8	21 31	0 14	4 7	2 22	7 57	0 29	9 37	1 53	33 8	9 15	9 12	9 44	8 9		n.a.
T 15	2 59	16 34	2 42	7 0	2 19	17 13	1 27	4 36	0 8	21 34	0 14	4 5	2 22	7 56	0 29	9 37	1 53	33 8	9 15	9 11	9 45	8 11		n.a.
F 16	3 23	13 48	1 34	6 29	2 17	17 38	1 30	4 54	0 7	21 36	0 14	4 2	2 22	7 55	0 29	9 36	1 53	33 8	9 15	9 11	9 47	8 12		n.a.
S 17	3 48	10 7	0 18	5 56	2 14	18 3	1 32	5 12	0 6	21 38	0 14	3 59	2 22	7 54	0 29	9 35	1 53	33 8	9 15	9 10	9 48	8 14		n.a.
S 18	4 12	5 44	1n 1	5 21	2 10	18 27	1 35	5 30	0 6	21 40	0 14	3 56	2 23	7 53	0 29	9 34	1 53	33 7	9 15	9 11	9 49	8 16		n.a.
M19	4 37	0 53	2 18	4 45	2 7	18 50	1 37	5 49	0 5	21 42	0 14	3 54	2 23	7 52	0 29	9 34	1 53	33 7	9 15	9 11	9 50	8 18		n.a.
T 20	5 1	4s 5	3 26	4 8	2 2	19 14	1 39	6 7	0 4	21 44	0 14	3 51	2 23	7 51	0 29	9 33	1 54	33 7	9 14	9 13	9 51	8 20		n.a.
W21	5 25	8 49	4 20	3 29	1 58	19 36	1 41	6 25	0 4	21 46	0 15	3 48	2 23	7 51	0 29	9 32	1 54	33 7	9 14	9 15	9 52	8 22		n.a.
T 22	5 49	12 56	4 56	2 50	1 52	19 58	1 44	6 43	0 3	21 49	0 15	3 45	2 23	7 50	0 29	9 32	1 54	33 7	9 14	9 17	9 54	8 24		n.a.
F 23	6 13	16 10	5 10	2 10	1 47	20 20	1 46	7 1	0 2	21 51	0 15	3 43	2 23	7 49	0 29	9 31	1 54	33 6	9 14	9 19	9 55	8 26		n.a.
S 24	6 37	18 17	5 4	1 29	1 41	20 41	1 48	7 19	0 2	21 53	0 15	3 40	2 23	7 48	0 29	9 30	1 54	33 6	9 14	9 21	9 56	8 27		n.a.
S 25	7 1	19 12	4 40	0 48	1 36	21 2	1 50	7 37	0 1	21 55	0 15	3 37	2 23	7 47	0 29	9 29	1 54	33 6	9 13	9 22	9 57	8 29		n.a.
M26	7 25	18 58	4 1	0 7	1 30	21 22	1 52	7 55	0 0	21 57	0 15	3 35	2 23	7 46	0 29	9 29	1 54	33 6	9 13	9 22	9 58	8 31		n.a.
T 27	7 48	17 42	3 9	0s35	1 23	21 41	1 53	8 13	0s 0	21 59	0 15	3 32	2 23	7 45	0 29	9 28	1 54	33 6	9 13	9 22	10 0	8 33		n.a.
W28	8 12	15 33	2 10	1 17	1 17	22 0	1 55	8 30	0 1	22 2	0 15	3 29	2 23	7 44	0 29	9 27	1 54	33 6	9 13	9 22	10 1	8 35		n.a.
T 29	8 35	12 42	1 6	2 0	1 10	22 18	1 57	8 48	0 2	22 4	0 15	3 27	2 23	7 43	0 29	9 27	1 54	33 5	9 13	9 21	10 2	8 37		n.a.
F 30	8 58	9 20	0s 0	2 42	1 4	22 35	1 59	9 6	0 2	22 6	0 15	3 24	2 23	7 42	0 29	9 26	1 54	33 5	9 13	9 21	10 3	8 39		n.a.
S 31	9s22	5s38	1s 5	3s25	0n57	22s52	2s 0	9s24	0s 3	22s 8	0s15	3n22	2n24	7n41	0s29	9n25	1n54	33s 5	9s12	9n21	10n 4	8n40		n.a.

Julian Day Number = 1111728.5, Delta T = 10h51m40s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'58, Lahiri = -26°58'58 Julian Calendar 1 Oct. 1670 BCE == Greg. Calendar 17 Sept. 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

NOVEMBER 1670 BCE (-1669) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 41 2	24♎42'01	0♈29	12♎10	3♐ 1	24♎24	7♐11	27♍12	20°R23	10♍47	1♑37	6°R17	4♍22	3♉18	n.a.	S 1
M 2	1 44 58	25°43'15	12°24	13°42	4°14	25° 9	7°23	27°19	20♈21	10°48	1°38	6♍11	4°18	3°25	n.a.	M 2
T 3	1 48 55	26°44'29	24°16	15°14	5°26	25°54	7°36	27°25	20°18	10°50	1°39	6° 3	4°15	3°32	n.a.	T 3
W 4	1 52 52	27°45'44	6♉ 7	16°46	6°39	26°40	7°48	27°32	20°16	10°52	1°40	5°53	4°12	3°38	n.a.	W 4
T 5	1 56 48	28°46'59	17°59	18°19	7°51	27°25	8° 0	27°38	20°13	10°53	1°40	5°43	4° 9	3°45	n.a.	T 5
F 6	2 0 45	29°48'15	29°53	19°51	9° 3	28°10	8°13	27°44	20°11	10°55	1°41	5°32	4° 6	3°52	n.a.	F 6
S 7	2 4 41	0♏49'32	11♊51	21°24	10°16	28°56	8°26	27°51	20° 8	10°57	1°42	5°21	4° 3	3°58	n.a.	S 7
S 8	2 8 38	1°50'49	23°56	22°57	11°28	29°41	8°38	27°57	20° 6	10°58	1°43	5°13	3°59	4° 5	n.a.	S 8
M 9	2 12 34	2°52'07	6♋ 9	24°30	12°40	0♏27	8°51	28° 3	20° 3	11° 0	1°44	5° 7	3°56	4°12	n.a.	M 9
T 10	2 16 31	3°53'25	18°35	26° 3	13°52	1°12	9° 4	28° 9	20° 1	11° 1	1°46	5° 3	3°53	4°18	n.a.	T 10
W11	2 20 28	4°54'44	1♌18	27°37	15° 4	1°58	9°17	28°16	19°58	11° 3	1°47	5°D 2	3°50	4°25	n.a.	W11
T 12	2 24 24	5°56'04	14°21	29°10	16°16	2°43	9°30	28°22	19°56	11° 4	1°48	5° 2	3°47	4°32	n.a.	T 12
F 13	2 28 21	6°57'24	27°49	0♏44	17°27	3°29	9°43	28°28	19°53	11° 6	1°49	5°R 3	3°44	4°39	n.a.	F 13
S 14	2 32 17	7°58'44	11♍44	2°18	18°39	4°15	9°56	28°34	19°51	11° 7	1°50	5° 3	3°40	4°45	n.a.	S 14
S 15	2 36 14	9° 0'04	26° 7	3°52	19°51	5° 1	10° 9	28°40	19°49	11° 9	1°51	5° 1	3°37	4°52	n.a.	S 15
M16	2 40 10	10° 1'25	10♎56	5°27	21° 2	5°46	10°22	28°46	19°46	11°10	1°52	4°56	3°34	4°59	n.a.	M16
T 17	2 44 7	11° 2'46	26° 5	7° 2	22°14	6°32	10°35	28°51	19°44	11°11	1°53	4°49	3°31	5° 5	n.a.	T 17
W18	2 48 3	12° 4'07	11♏25	8°37	23°25	7°18	10°49	28°57	19°41	11°13	1°55	4°40	3°28	5°12	n.a.	W18
T 19	2 52 0	13° 5'29	26°44	10°12	24°37	8° 4	11° 2	29° 3	19°39	11°14	1°56	4°29	3°24	5°19	n.a.	T 19
F 20	2 55 57	14° 6'50	11♐51	11°48	25°48	8°50	11°15	29° 9	19°37	11°15	1°57	4°19	3°21	5°26	n.a.	F 20
S 21	2 59 53	15° 8'10	26°36	13°24	26°59	9°36	11°29	29°14	19°35	11°17	1°58	4° 9	3°18	5°32	n.a.	S 21
S 22	3 3 50	16° 9'31	10♑54	15° 0	28°10	10°22	11°42	29°20	19°32	11°18	2° 0	4° 2	3°15	5°39	n.a.	S 22
M23	3 7 46	17°10'51	24°40	16°37	29°21	11° 8	11°56	29°25	19°30	11°19	2° 1	3°58	3°12	5°46	n.a.	M23
T 24	3 11 43	18°12'10	7♒58	18°14	0♑32	11°54	12° 9	29°31	19°28	11°20	2° 2	3°56	3° 9	5°52	n.a.	T 24
W25	3 15 39	19°13'29	20°48	19°52	1°42	12°40	12°23	29°36	19°26	11°21	2° 4	3°D55	3° 5	5°59	n.a.	W25
T 26	3 19 36	20°14'46	3♓17	21°29	2°53	13°26	12°37	29°41	19°24	11°22	2° 5	3°R55	3° 2	6° 6	n.a.	T 26
F 27	3 23 33	21°16'04	15°30	23° 8	4° 3	14°13	12°50	29°47	19°22	11°23	2° 7	3°55	2°59	6°13	n.a.	F 27
S 28	3 27 29	22°17'20	27°30	24°46	5°14	14°59	13° 4	29°52	19°20	11°24	2° 8	3°53	2°56	6°19	n.a.	S 28
S 29	3 31 26	23°18'36	9♈24	26°25	6°24	15°45	13°18	29°57	19°18	11°25	2° 9	3°48	2°53	6°26	n.a.	S 29
M30	3 35 22	24♏19'51	21♈14	28♏ 5	7♑34	16♏31	13♐32	0♎ 2	19♈16	11♍26	2♑11	3♍40	2♍49	6♉33	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s45	1s44	2s 7	4s 7	0n51	23s 9	2s 2	9s41	0s 4	22s10	0s15	3n19	2n24	7n40	0s29	9n25	1n54	33s 5	9s12	9n23	10n 5	8n42		n.a.
M 2	10 7	2n12	3 2	4 50	0 44	23 24	2 3	9 59	0 4	22 12	0 16	3 17	2 24	7 39	0 29	9 24	1 54	33 5	9 12	9 25	10 7	8 44		n.a.
T 3	10 30	6 3	3 49	5 32	0 37	23 39	2 4	10 16	0 5	22 15	0 16	3 14	2 24	7 38	0 29	9 24	1 54	33 4	9 12	9 28	10 8	8 46		n.a.
W 4	10 52	9 38	4 25	6 15	0 30	23 53	2 6	10 33	0 6	22 17	0 16	3 12	2 24	7 37	0 29	9 23	1 54	33 4	9 12	9 31	10 9	8 48		n.a.
T 5	11 15	12 51	4 51	6 57	0 23	24 7	2 7	10 51	0 6	22 19	0 16	3 9	2 24	7 36	0 29	9 22	1 54	33 4	9 12	9 35	10 10	8 50		n.a.
F 6	11 37	15 34	5 4	7 39	0 17	24 20	2 8	11 8	0 7	22 21	0 16	3 7	2 24	7 35	0 29	9 22	1 54	33 4	9 11	9 39	10 11	8 52		n.a.
S 7	11 59	17 38	5 3	8 21	0 10	24 32	2 9	11 25	0 8	22 23	0 16	3 4	2 24	7 34	0 29	9 21	1 54	33 4	9 11	9 43	10 13	8 53		n.a.
S 8	12 20	18 56	4 49	9 2	0 3	24 43	2 10	11 42	0 8	22 25	0 16	3 2	2 24	7 33	0 29	9 21	1 54	33 4	9 11	9 46	10 14	8 55		n.a.
M 9	12 42	19 23	4 22	9 43	0s 4	24 54	2 11	11 59	0 9	22 27	0 16	2 59	2 24	7 32	0 29	9 20	1 54	33 3	9 11	9 49	10 15	8 57		n.a.
T 10	13 3	18 54	3 42	10 24	0 10	25 4	2 12	12 16	0 10	22 29	0 16	2 57	2 25	7 31	0 29	9 20	1 55	33 3	9 11	9 50	10 16	8 59		n.a.
W11	13 24	17 29	2 50	11 4	0 17	25 13	2 12	12 32	0 10	22 32	0 16	2 55	2 25	7 30	0 29	9 19	1 55	33 3	9 11	9 51	10 17	9 1		n.a.
T 12	13 45	15 6	1 48	11 44	0 23	25 22	2 13	12 49	0 11	22 34	0 16	2 52	2 25	7 29	0 29	9 19	1 55	33 3	9 11	9 50	10 18	9 3		n.a.
F 13	14 5	11 51	0 39	12 24	0 29	25 30	2 13	13 6	0 12	22 36	0 17	2 50	2 25	7 29	0 29	9 18	1 55	33 3	9 10	9 50	10 20	9 5		n.a.
S 14	14 26	7 50	0n36	13 3	0 36	25 37	2 14	13 22	0 12	22 38	0 17	2 48	2 25	7 28	0 29	9 17	1 55	33 3	9 10	9 50	10 21	9 6		n.a.
S 15	14 46	3 15	1 50	13 42	0 42	25 43	2 14	13 38	0 13	22 40	0 17	2 45	2 25	7 27	0 29	9 17	1 55	33 3	9 10	9 51	10 22	9 8		n.a.
M16	15 6	1s40	2 59	14 20	0 48	25 49	2 14	13 54	0 14	22 42	0 17	2 43	2 25	7 26	0 29	9 17	1 55	33 2	9 10	9 53	10 23	9 10		n.a.
T 17	15 25	6 35	3 57	14 57	0 54	25 53	2 14	14 11	0 14	22 44	0 17	2 41	2 26	7 25	0 29	9 16	1 55	33 2	9 10	9 55	10 24	9 12		n.a.
W18	15 45	11 8	4 38	15 34	0 59	25 57	2 14	14 27	0 15	22 46	0 17	2 39	2 26	7 24	0 29	9 16	1 55	33 2	9 10	9 59	10 25	9 14		n.a.
T 19	16 4	14 56	5 0	16 11	1 5	26 1	2 14	14 42	0 16	22 48	0 17	2 37	2 26	7 23	0 29	9 15	1 55	33 2	9 10	10 3	10 27	9 16		n.a.
F 20	16 22	17 41	5 0	16 46	1 10	26 3	2 14	14 58	0 16	22 50	0 17	2 34	2 26	7 22	0 29	9 15	1 55	33 2	9 10	10 7	10 28	9 18		n.a.
S 21	16 41	19 11	4 40	17 21	1 15	26 5	2 14	15 14	0 17	22 52	0 17	2 32	2 26	7 22	0 29	9 14	1 55	33 2	9 9	10 10	10 29	9 19		n.a.
S 22	16 59	19 24	4 3	17 55	1 20	26 6	2 13	15 29	0 18	22 54	0 17	2 30	2 26	7 21	0 29	9 14	1 55	33 2	9 9	10 13	10 30	9 21		n.a.
M23	17 17	18 26	3 12	18 29	1 25	26 6	2 13	15 44	0 18	22 56	0 17	2 28	2 27	7 20	0 29	9 13	1 55	33 1	9 9	10 14	10 31	9 23		n.a.
T 24	17 34	16 29	2 13	19 1	1 30	26 5	2 12	16 0	0 19	22 58	0 18	2 26	2 27	7 19	0 29	9 13	1 55	33 1	9 9	10 15	10 32	9 25		n.a.
W25	17 51	13 44	1 9	19 33	1 34	26 4	2 11	16 15	0 20	23 0	0 18	2 24	2 27	7 18	0 28	9 13	1 55	33 1	9 9	10 15	10 34	9 27		n.a.
T 26	18 8	10 26	0 3	20 3	1 38	26 2	2 11	16 29	0 20	23 2	0 18	2 22	2 27	7 17	0 28	9 12	1 56	33 1	9 9	10 15	10 35	9 29		n.a.
F 27	18 25	6 45	1s 1	20 33	1 42	25 59	2 10	16 44	0 21	23 3	0 18	2 20	2 27	7 17	0 28	9 12	1 56	33 1	9 9	10 15	10 36	9 30		n.a.
S 28	18 41	2 52	2 1	21 1	1 46	25 55	2 9	16 59	0 22	23 5	0 18	2 18	2 27	7 16	0 28	9 12	1 56	33 1	9 9	10 16	10 37	9 32		n.a.
S 29	18 57	1n 6	2 56	21 29	1 49	25 51	2 7	17 13	0 22	23 7	0 18	2 16	2 28	7 15	0 28	9 11	1 56	33 1	9 9	10 18	10 38	9 34		n.a.
M30	19s12	5n 0	3s42	21s55	1s52	25s46	2s 6	17s27	0s23	23s 9	0s18	2n14	2n28	7n14	0s28	9n11	1n56	33s 0	9s 8	10n21	10n39	9n36		n.a.

Julian Day Number = 1111759.5, Delta T = 10h51m38s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'54, Lahiri = -26°58'54 Julian Calendar 1 Nov. 1670 BCE == Greg. Calendar 18 Oct. 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1670 BCE
geocentric

DECEMBER 1670 BCE (-1669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 39 19	25♏21'06	3♉ 4	29♏45	8♑44	17♏18	13♐46	0♎ 7	19°R14	11♍27	2♑12	3°R29	2♍46	6♉39	n.a.	T 1
W 2	3 43 15	26°22'20	14°56	1♐25	9°54	18° 4	14° 0	0°12	19♈12	11°28	2°14	3♍16	2°43	6°46	n.a.	W 2
T 3	3 47 12	27°23'33	26°52	3° 6	11° 3	18°50	14°13	0°17	19°10	11°29	2°15	3° 1	2°40	6°53	n.a.	T 3
F 4	3 51 8	28°24'45	8♊53	4°47	12°13	19°37	14°27	0°22	19° 8	11°30	2°17	2°46	2°37	6°59	n.a.	F 4
S 5	3 55 5	29°25'57	21° 0	6°28	13°22	20°23	14°41	0°26	19° 6	11°31	2°18	2°32	2°34	7° 6	n.a.	S 5
S 6	3 59 2	0♐27'08	3♋13	8°10	14°31	21°10	14°55	0°31	19° 5	11°31	2°20	2°20	2°30	7°13	n.a.	S 6
M 7	4 2 58	1°28'19	15°36	9°52	15°40	21°56	15° 9	0°35	19° 3	11°32	2°21	2°10	2°27	7°20	n.a.	M 7
T 8	4 6 55	2°29'29	28° 8	11°34	16°49	22°43	15°23	0°40	19° 1	11°33	2°23	2° 4	2°24	7°26	n.a.	T 8
W 9	4 10 51	3°30'38	10♌54	13°16	17°58	23°29	15°37	0°44	19° 0	11°34	2°24	2° 1	2°21	7°33	n.a.	W 9
T 10	4 14 48	4°31'47	23°56	14°59	19° 7	24°16	15°52	0°49	18°58	11°34	2°26	2° 0	2°18	7°40	n.a.	T 10
F 11	4 18 44	5°32'55	7♍17	16°41	20°15	25° 2	16° 6	0°53	18°57	11°35	2°28	2° 0	2°15	7°46	n.a.	F 11
S 12	4 22 41	6°34'02	21° 0	18°23	21°23	25°49	16°20	0°57	18°55	11°35	2°29	1°59	2°11	7°53	n.a.	S 12
S 13	4 26 38	7°35'08	5♎ 7	20° 5	22°31	26°36	16°34	1° 1	18°54	11°36	2°31	1°57	2° 8	8° 0	n.a.	S 13
M14	4 30 34	8°36'14	19°38	21°46	23°39	27°22	16°48	1° 5	18°52	11°36	2°32	1°53	2° 5	8° 7	n.a.	M14
T 15	4 34 31	9°37'19	4♏29	23°27	24°46	28° 9	17° 2	1° 9	18°51	11°37	2°34	1°45	2° 2	8°13	n.a.	T 15
W16	4 38 27	10°38'23	19°34	25° 6	25°54	28°56	17°16	1°13	18°50	11°37	2°36	1°35	1°59	8°20	n.a.	W16
T 17	4 42 24	11°39'26	4♐43	26°44	27° 1	29°43	17°31	1°17	18°48	11°38	2°37	1°24	1°55	8°27	n.a.	T 17
F 18	4 46 20	12°40'28	19°46	28°20	28° 8	0♐29	17°45	1°20	18°47	11°38	2°39	1°12	1°52	8°33	n.a.	F 18
S 19	4 50 17	13°41'29	4♑33	29°54	29°15	1°16	17°59	1°24	18°46	11°38	2°41	1° 1	1°49	8°40	n.a.	S 19
S 20	4 54 13	14°42'28	18°56	1♑25	0♒21	2° 3	18°13	1°28	18°45	11°39	2°42	0°53	1°46	8°47	n.a.	S 20
M21	4 58 10	15°43'26	2♒51	2°54	1°27	2°50	18°28	1°31	18°44	11°39	2°44	0°48	1°43	8°54	n.a.	M21
T 22	5 2 7	16°44'22	16°16	4°18	2°33	3°37	18°42	1°34	18°43	11°39	2°46	0°45	1°40	9° 0	n.a.	T 22
W23	5 6 3	17°45'17	29°13	5°38	3°39	4°24	18°56	1°38	18°42	11°39	2°47	0°D44	1°36	9° 7	n.a.	W23
T 24	5 10 0	18°46'09	11♓47	6°53	4°45	5°10	19°10	1°41	18°41	11°39	2°49	0°44	1°33	9°14	n.a.	T 24
F 25	5 13 56	19°47'00	24° 2	8° 2	5°50	5°57	19°25	1°44	18°40	11°40	2°51	0°R44	1°30	9°20	n.a.	F 25
S 26	5 17 53	20°47'50	6♈ 4	9° 4	6°55	6°44	19°39	1°47	18°39	11°40	2°53	0°43	1°27	9°27	n.a.	S 26
S 27	5 21 49	21°48'37	17°57	9°59	7°59	7°31	19°53	1°50	18°38	11°40	2°54	0°40	1°24	9°34	n.a.	S 27
M28	5 25 46	22°49'23	29°47	10°45	9° 4	8°18	20° 7	1°53	18°37	11°R40	2°56	0°34	1°21	9°41	n.a.	M28
T 29	5 29 42	23°50'07	11♉37	11°23	10° 8	9° 5	20°22	1°55	18°37	11°40	2°58	0°25	1°17	9°47	n.a.	T 29
W30	5 33 39	24°50'50	23°32	11°51	11°11	9°52	20°36	1°58	18°36	11°40	3° 0	0°14	1°14	9°54	n.a.	W30
T 31	5 37 36	25♐51'30	5♊33	12♑ 9	12♒15	10♐39	20♐50	2♎ 0	18♈35	11♍40	3♑ 1	0♍ 2	1♍11	10♉ 1	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19s27	8n43	4s19	22s20	1s55	25s40	2s 5	17s41	0s24	23s11	0s18	2n12	2n28	7n14	0s28	9n11	1n56	33s 0	9s 8	10n25	10n41	9n38			n.a.
W 2	19 42	12 5	4 45	22 44	1 57	25 33	2 3	17 55	0 24	23 13	0 18	2 11	2 28	7 13	0 28	9 10	1 56	33 0	9 8	10 30	10 42	9 40			n.a.
T 3	19 57	15 0	4 58	23 7	1 59	25 26	2 2	18 9	0 25	23 14	0 18	2 9	2 28	7 12	0 28	9 10	1 56	33 0	9 8	10 35	10 43	9 41			n.a.
F 4	20 11	17 18	4 58	23 28	2 0	25 18	2 0	18 23	0 26	23 16	0 19	2 7	2 29	7 12	0 28	9 10	1 56	33 0	9 8	10 41	10 44	9 43			n.a.
S 5	20 24	18 51	4 44	23 47	2 2	25 9	1 58	18 36	0 26	23 18	0 19	2 5	2 29	7 11	0 28	9 10	1 56	33 0	9 8	10 46	10 45	9 45			n.a.
S 6	20 38	19 33	4 18	24 5	2 2	25 0	1 56	18 49	0 27	23 20	0 19	2 4	2 29	7 10	0 28	9 9	1 56	33 0	9 8	10 50	10 46	9 47			n.a.
M 7	20 50	19 20	3 39	24 22	2 2	24 50	1 54	19 2	0 28	23 21	0 19	2 2	2 29	7 10	0 28	9 9	1 56	33 0	9 8	10 54	10 48	9 49			n.a.
T 8	21 3	18 10	2 49	24 36	2 2	24 39	1 52	19 15	0 28	23 23	0 19	2 0	2 29	7 9	0 28	9 9	1 56	33 0	9 8	10 56	10 49	9 51			n.a.
W 9	21 15	16 5	1 49	24 49	2 1	24 28	1 49	19 28	0 29	23 25	0 19	1 59	2 30	7 8	0 28	9 9	1 56	33 0	9 8	10 57	10 50	9 52			n.a.
T 10	21 27	13 8	0 43	25 1	2 0	24 15	1 47	19 40	0 30	23 26	0 19	1 57	2 30	7 8	0 28	9 9	1 56	32 59	9 8	10 58	10 51	9 54			n.a.
F 11	21 38	9 26	0n28	25 10	1 58	24 3	1 44	19 52	0 30	23 28	0 19	1 56	2 30	7 7	0 28	9 8	1 57	32 59	9 8	10 58	10 52	9 56			n.a.
S 12	21 49	5 8	1 39	25 17	1 55	23 49	1 41	20 4	0 31	23 29	0 19	1 54	2 30	7 7	0 28	9 8	1 57	32 59	9 8	10 58	10 53	9 58			n.a.
S 13	21 59	0 27	2 45	25 22	1 52	23 35	1 39	20 16	0 32	23 31	0 19	1 53	2 30	7 6	0 28	9 8	1 57	32 59	9 8	10 59	10 55	10 0			n.a.
M14	22 9	4s23	3 43	25 26	1 48	23 21	1 36	20 28	0 32	23 33	0 20	1 51	2 31	7 6	0 28	9 8	1 57	32 59	9 8	11 0	10 56	10 2			n.a.
T 15	22 18	9 4	4 28	25 27	1 43	23 5	1 33	20 39	0 33	23 34	0 20	1 50	2 31	7 5	0 28	9 8	1 57	32 59	9 8	11 3	10 57	10 3			n.a.
W16	22 28	13 14	4 54	25 26	1 38	22 50	1 29	20 50	0 33	23 36	0 20	1 49	2 31	7 5	0 28	9 8	1 57	32 59	9 7	11 7	10 58	10 5			n.a.
T 17	22 36	16 34	5 0	25 22	1 32	22 33	1 26	21 1	0 34	23 37	0 20	1 47	2 31	7 4	0 28	9 8	1 57	32 59	9 7	11 11	10 59	10 7			n.a.
F 18	22 44	18 45	4 45	25 17	1 25	22 16	1 23	21 12	0 35	23 39	0 20	1 46	2 32	7 4	0 28	9 8	1 57	32 59	9 7	11 15	11 0	10 9			n.a.
S 19	22 52	19 37	4 11	25 10	1 17	21 59	1 19	21 23	0 35	23 40	0 20	1 45	2 32	7 3	0 28	9 8	1 57	32 59	9 7	11 19	11 1	10 11			n.a.
S 20	22 59	19 11	3 22	25 0	1 8	21 41	1 15	21 33	0 36	23 41	0 20	1 43	2 32	7 3	0 28	9 8	1 57	32 59	9 7	11 22	11 3	10 12			n.a.
M21	23 6	17 35	2 22	24 49	0 58	21 22	1 12	21 43	0 37	23 43	0 20	1 42	2 32	7 3	0 28	9 8	1 57	32 59	9 7	11 24	11 4	10 14			n.a.
T 22	23 13	15 3	1 16	24 36	0 47	21 3	1 8	21 53	0 37	23 44	0 20	1 41	2 32	7 2	0 28	9 8	1 57	32 59	9 7	11 25	11 5	10 16			n.a.
W23	23 19	11 50	0 8	24 21	0 35	20 44	1 4	22 2	0 38	23 45	0 21	1 40	2 33	7 2	0 28	9 8	1 57	32 59	9 7	11 25	11 6	10 18			n.a.
T 24	23 24	8 10	0s58	24 5	0 23	20 24	0 59	22 12	0 39	23 47	0 21	1 39	2 33	7 1	0 28	9 8	1 57	32 59	9 7	11 25	11 7	10 20			n.a.
F 25	23 29	4 15	2 0	23 47	0 9	20 3	0 55	22 21	0 39	23 48	0 21	1 38	2 33	7 1	0 28	9 8	1 58	32 59	9 7	11 25	11 8	10 22			n.a.
S 26	23 34	0 14	2 56	23 29	0n 6	19 42	0 51	22 30	0 40	23 49	0 21	1 37	2 33	7 1	0 28	9 8	1 58	32 58	9 7	11 25	11 10	10 23			n.a.
S 27	23 38	3n44	3 43	23 9	0 21	19 21	0 46	22 38	0 40	23 50	0 21	1 36	2 34	7 1	0 28	9 8	1 58	32 58	9 7	11 27	11 11	10 25			n.a.
M28	23 41	7 33	4 20	22 50	0 37	18 59	0 41	22 46	0 41	23 52	0 21	1 35	2 34	7 0	0 28	9 8	1 58	32 58	9 7	11 29	11 12	10 27			n.a.
T 29	23 44	11 4	4 47	22 30	0 54	18 37	0 37	22 55	0 42	23 53	0 21	1 34	2 34	7 0	0 28	9 8	1 58	32 58	9 7	11 32	11 13	10 29			n.a.
W30	23 47	14 10	5 0	22 10	1 11	18 15	0 32	23 2	0 42	23 54	0 21	1 33	2 34	7 0	0 28	9 8	1 58	32 58	9 7	11 36	11 14	10 31			n.a.
T 31	23s49	16n42	5s 1	21s51	1n29	17s52	0s27	23s10	0s43	23s55	0s21	1n33	2n35	7n 0	0s28	9n 8	1n58	32s58	9s 7	11n40	11n15	10n32			n.a.

Julian Day Number = 1111789.5, Delta T = 10h51m36s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'50, Lahiri = -26°58'50 Julian Calendar 1 Dec. 1670 BCE == Greg. Calendar 17 Nov. 1670 BCE

The year -1669 astronomical counting style corresponds to year 1670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

JANUARY 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 41 32	26♐52'09	17♊42	12°R17	13♒18	11♐26	21♐ 4	2♎ 3	18°R35	11°R39	3♏ 3	29°R49	1♍ 8	10♉ 7	n.a.	F 1
S 2	5 45 29	27°52'46	0♋ 1	12♏14	14°20	12°13	21°18	2° 5	18♈34	11♍39	3° 5	29♌38	1° 5	10°14	n.a.	S 2
S 3	5 49 25	28°53'22	12°29	12° 0	15°22	13° 0	21°33	2° 7	18°34	11°39	3° 7	29°28	1° 1	10°21	n.a.	S 3
M 4	5 53 22	29°53'56	25° 8	11°36	16°24	13°47	21°47	2°10	18°34	11°39	3° 8	29°20	0°58	10°28	n.a.	M 4
T 5	5 57 18	0♏54'28	7♌57	11° 3	17°26	14°34	22° 1	2°12	18°33	11°39	3°10	29°15	0°55	10°34	n.a.	T 5
W 6	6 1 15	1°54'59	20°57	10°20	18°27	15°21	22°15	2°14	18°33	11°38	3°12	29°13	0°52	10°41	n.a.	W 6
T 7	6 5 12	2°55'28	4♍10	9°30	19°27	16° 8	22°29	2°15	18°33	11°38	3°14	29°D13	0°49	10°48	n.a.	T 7
F 8	6 9 8	3°55'55	17°36	8°33	20°28	16°55	22°43	2°17	18°33	11°38	3°15	29°14	0°46	10°54	n.a.	F 8
S 9	6 13 5	4°56'21	1♎18	7°31	21°27	17°42	22°58	2°19	18°33	11°37	3°17	29°R14	0°42	11° 1	n.a.	S 9
S 10	6 17 1	5°56'46	15°17	6°26	22°27	18°29	23°12	2°20	18°33	11°37	3°19	29°14	0°39	11° 8	n.a.	S 10
M11	6 20 58	6°57'09	29°32	5°20	23°25	19°16	23°26	2°22	18°D33	11°36	3°21	29°12	0°36	11°15	n.a.	M11
T 12	6 24 54	7°57'30	14♏ 1	4°14	24°24	20° 3	23°40	2°23	18°33	11°36	3°22	29° 7	0°33	11°21	n.a.	T 12
W13	6 28 51	8°57'49	28°41	3° 9	25°21	20°50	23°54	2°25	18°33	11°35	3°24	29° 1	0°30	11°28	n.a.	W13
T 14	6 32 47	9°58'07	13♐25	2° 8	26°19	21°37	24° 8	2°26	18°33	11°35	3°26	28°53	0°27	11°35	n.a.	T 14
F 15	6 36 44	10°58'24	28° 6	1°11	27°16	22°24	24°22	2°27	18°33	11°34	3°28	28°45	0°23	11°41	n.a.	F 15
S 16	6 40 41	11°58'38	12♏36	0°20	28°12	23°11	24°36	2°28	18°33	11°34	3°29	28°38	0°20	11°48	n.a.	S 16
S 17	6 44 37	12°58'50	26°48	29♐34	29° 7	23°58	24°50	2°29	18°34	11°33	3°31	28°32	0°17	11°55	n.a.	S 17
M18	6 48 34	13°59'00	10♒38	28°55	0♓ 2	24°45	25° 3	2°29	18°34	11°32	3°33	28°29	0°14	12° 2	n.a.	M18
T 19	6 52 30	14°59'08	24° 3	28°23	0°57	25°33	25°17	2°30	18°34	11°32	3°35	28°D27	0°11	12° 8	n.a.	T 19
W20	6 56 27	15°59'14	7♓ 4	27°58	1°50	26°20	25°31	2°31	18°35	11°31	3°36	28°28	0° 7	12°15	n.a.	W20
T 21	7 0 23	16°59'17	19°42	27°40	2°43	27° 7	25°45	2°31	18°35	11°30	3°38	28°29	0° 4	12°22	n.a.	T 21
F 22	7 4 20	17°59'18	2♈ 2	27°29	3°36	27°54	25°59	2°31	18°36	11°29	3°40	28°30	0° 1	12°29	n.a.	F 22
S 23	7 8 16	18°59'17	14° 7	27°D24	4°27	28°41	26°12	2°32	18°37	11°29	3°41	28°R31	29♌58	12°35	n.a.	S 23
S 24	7 12 13	19°59'13	26° 3	27°26	5°18	29°28	26°26	2°32	18°37	11°28	3°43	28°31	29°55	12°42	n.a.	S 24
M25	7 16 9	20°59'07	7♉55	27°34	6° 8	0♏15	26°40	2°R32	18°38	11°27	3°45	28°30	29°52	12°49	n.a.	M25
T 26	7 20 6	21°58'59	19°47	27°48	6°57	1° 2	26°53	2°32	18°39	11°26	3°47	28°26	29°48	12°55	n.a.	T 26
W27	7 24 3	22°58'48	1♊44	28° 8	7°46	1°49	27° 7	2°32	18°40	11°25	3°48	28°22	29°45	13° 2	n.a.	W27
T 28	7 27 59	23°58'35	13°49	28°32	8°33	2°36	27°20	2°32	18°41	11°24	3°50	28°16	29°42	13° 9	n.a.	T 28
F 29	7 31 56	24°58'19	26° 6	29° 1	9°20	3°23	27°34	2°31	18°42	11°23	3°52	28°10	29°39	13°16	n.a.	F 29
S 30	7 35 52	25°58'02	8♋36	29°35	10° 5	4°10	27°47	2°31	18°43	11°22	3°53	28° 4	29°36	13°22	n.a.	S 30
S 31	7 39 49	26♏57'42	21♋19	0♏13	10♓50	4♏57	28♐ 1	2♎30	18♈44	11♍21	3♏55	27♌59	29♌33	13♉29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s51	18n32	4s48	21s33	1n46	17s29	0s22	23s17	0s43	23s56	0s22	1n32	2n35	7n 0	0s27	9n 8	1n58	32s58	9s 7	11n45	11n16	10n34		n.a.
S 2	23 52	19 32	4 22	21 15	2 4	17 6	0 16	23 24	0 44	23 57	0 22	1 31	2 35	6 59	0 27	9 8	1 58	32 58	9 7	11 49	11 18	10 36		n.a.
S 3	23 53	19 36	3 42	21 0	2 21	16 42	0 11	23 31	0 45	23 58	0 22	1 30	2 35	6 59	0 27	9 8	1 58	32 58	9 8	11 52	11 19	10 38		n.a.
M 4	23 53	18 42	2 51	20 45	2 37	16 18	0 5	23 38	0 45	23 59	0 22	1 30	2 36	6 59	0 27	9 8	1 58	32 58	9 8	11 55	11 20	10 40		n.a.
T 5	23 53	16 50	1 51	20 33	2 53	15 54	0n 0	23 44	0 46	24 0	0 22	1 29	2 36	6 59	0 27	9 9	1 58	32 58	9 8	11 57	11 21	10 41		n.a.
W 6	23 52	14 5	0 44	20 22	3 7	15 29	0 6	23 50	0 46	24 1	0 22	1 29	2 36	6 59	0 27	9 9	1 58	32 58	9 8	11 58	11 22	10 43		n.a.
T 7	23 51	10 35	0n27	20 13	3 20	15 4	0 12	23 55	0 47	24 2	0 22	1 28	2 36	6 59	0 27	9 9	1 58	32 58	9 8	11 58	11 23	10 45		n.a.
F 8	23 50	6 28	1 37	20 6	3 31	14 39	0 18	24 1	0 47	24 3	0 22	1 28	2 37	6 59	0 27	9 9	1 59	32 58	9 8	11 57	11 24	10 47		n.a.
S 9	23 48	1 58	2 43	20 1	3 40	14 14	0 24	24 6	0 48	24 4	0 22	1 27	2 37	6 59	0 27	9 9	1 59	32 58	9 8	11 57	11 26	10 49		n.a.
S 10	23 45	2s44	3 41	19 57	3 47	13 49	0 30	24 11	0 48	24 5	0 23	1 27	2 37	6 59	0 27	9 10	1 59	32 58	9 8	11 57	11 27	10 50		n.a.
M11	23 42	7 21	4 27	19 56	3 51	13 23	0 37	24 15	0 49	24 6	0 23	1 27	2 37	6 59	0 27	9 10	1 59	32 58	9 8	11 58	11 28	10 52		n.a.
T 12	23 39	11 38	4 56	19 56	3 53	12 58	0 43	24 20	0 50	24 7	0 23	1 26	2 38	6 59	0 27	9 10	1 59	32 58	9 8	12 0	11 29	10 54		n.a.
W13	23 35	15 15	5 7	19 58	3 53	12 32	0 50	24 24	0 50	24 8	0 23	1 26	2 38	6 59	0 27	9 10	1 59	32 58	9 8	12 2	11 30	10 56		n.a.
T 14	23 30	17 55	4 57	20 1	3 51	12 6	0 56	24 28	0 51	24 8	0 23	1 26	2 38	6 59	0 27	9 11	1 59	32 58	9 8	12 5	11 31	10 58		n.a.
F 15	23 25	19 24	4 28	20 6	3 47	11 40	1 3	24 31	0 51	24 9	0 23	1 25	2 38	6 59	0 27	9 11	1 59	32 58	9 8	12 7	11 32	10 59		n.a.
S 16	23 20	19 36	3 42	20 12	3 41	11 14	1 10	24 34	0 52	24 10	0 23	1 25	2 39	6 59	0 27	9 11	1 59	32 59	9 8	12 10	11 34	11 1		n.a.
S 17	23 14	18 32	2 42	20 19	3 34	10 48	1 17	24 37	0 52	24 10	0 23	1 25	2 39	6 59	0 27	9 12	1 59	32 59	9 8	12 12	11 35	11 3		n.a.
M18	23 8	16 23	1 35	20 27	3 26	10 21	1 24	24 40	0 53	24 11	0 24	1 25	2 39	7 0	0 27	9 12	1 59	32 59	9 9	12 13	11 36	11 5		n.a.
T 19	23 2	13 23	0 24	20 37	3 16	9 55	1 31	24 42	0 53	24 12	0 24	1 25	2 39	7 0	0 27	9 12	1 59	32 59	9 9	12 14	11 37	11 7		n.a.
W20	22 55	9 48	0s47	20 47	3 5	9 29	1 39	24 44	0 54	24 12	0 24	1 25	2 40	7 0	0 27	9 12	1 59	32 59	9 9	12 14	11 38	11 8		n.a.
T 21	22 47	5 52	1 53	20 58	2 54	9 3	1 46	24 46	0 54	24 13	0 24	1 25	2 40	7 0	0 27	9 13	1 59	32 59	9 9	12 13	11 39	11 10		n.a.
F 22	22 39	1 48	2 52	21 10	2 42	8 37	1 54	24 47	0 55	24 14	0 24	1 25	2 40	7 1	0 27	9 13	1 59	32 59	9 9	12 13	11 40	11 12		n.a.
S 23	22 31	2n15	3 42	21 22	2 30	8 11	2 1	24 48	0 55	24 14	0 24	1 25	2 41	7 1	0 27	9 14	1 59	32 59	9 9	12 12	11 42	11 14		n.a.
S 24	22 22	6 10	4 23	21 35	2 17	7 45	2 9	24 49	0 56	24 15	0 24	1 26	2 41	7 1	0 27	9 14	2 0	32 59	9 9	12 12	11 43	11 16		n.a.
M25	22 13	9 49	4 51	21 47	2 4	7 19	2 17	24 50	0 56	24 15	0 25	1 26	2 41	7 1	0 27	9 14	2 0	32 59	9 9	12 13	11 44	11 17		n.a.
T 26	22 3	13 5	5 7	22 0	1 52	6 53	2 25	24 50	0 57	24 16	0 25	1 26	2 41	7 2	0 27	9 15	2 0	32 59	9 9	12 14	11 45	11 19		n.a.
W27	21 53	15 50	5 10	22 13	1 39	6 27	2 33	24 50	0 57	24 16	0 25	1 26	2 42	7 2	0 27	9 15	2 0	32 59	9 10	12 16	11 46	11 21		n.a.
T 28	21 43	17 56	5 0	22 26	1 27	6 2	2 41	24 49	0 58	24 17	0 25	1 27	2 42	7 2	0 27	9 16	2 0	32 59	9 10	12 18	11 47	11 23		n.a.
F 29	21 32	19 15	4 35	22 39	1 14	5 37	2 49	24 49	0 58	24 17	0 25	1 27	2 42	7 3	0 27	9 16	2 0	32 59	9 10	12 20	11 48	11 24		n.a.
S 30	21 21	19 40	3 57	22 51	1 2	5 12	2 57	24 48	0 59	24 17	0 25	1 27	2 42	7 3	0 27	9 16	2 0	32 59	9 10	12 22	11 50	11 26		n.a.
S 31	21s 9	19n 5	3s 7	23s 3	0n50	4s47	3n 6	24s47	0s59	24s18	0s25	1n28	2n43	7n 4	0s27	9n17	2n 0	33s 0	9s10	12n24	11n51	11n28		n.a.

Julian Day Number = 1111820.5, Delta T = 10h51m34s
Ecliptic obliquity = 23°53'12, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'46, Lahiri = -26°58'45 Julian Calendar 1 Jan. 1669 BCE == Greg. Calendar 18 Dec. 1670 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

FEBRUARY 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 43 45	27♉57'19	4♌17	0♉55	11♓33	5♉44	28♐14	2°R30	18♈45	11°R20	3♉56	27°R56	29♌29	13♉36	n.a.	M 1
T 2	7 47 42	28°56'55	17°28	1°41	12°16	6°31	28°27	2♎29	18°46	11♍19	3°58	27♌54	29°26	13°42	n.a.	T 2
W 3	7 51 38	29°56'28	0♍51	2°30	12°57	7°17	28°40	2°28	18°47	11°18	4° 0	27°D53	29°23	13°49	n.a.	W 3
T 4	7 55 35	0♒56'00	14°26	3°22	13°37	8° 4	28°53	2°27	18°48	11°17	4° 1	27°54	29°20	13°56	n.a.	T 4
F 5	7 59 32	1°55'29	28°12	4°18	14°16	8°51	29° 7	2°26	18°50	11°16	4° 3	27°56	29°17	14° 3	n.a.	F 5
S 6	8 3 28	2°54'57	12♎ 7	5°16	14°54	9°38	29°20	2°25	18°51	11°15	4° 4	27°57	29°13	14° 9	n.a.	S 6
S 7	8 7 25	3°54'22	26°10	6°17	15°31	10°25	29°33	2°24	18°52	11°13	4° 6	27°58	29°10	14°16	n.a.	S 7
M 8	8 11 21	4°53'46	10♏21	7°20	16° 6	11°12	29°46	2°22	18°54	11°12	4° 8	27°R58	29° 7	14°23	n.a.	M 8
T 9	8 15 18	5°53'08	24°36	8°26	16°40	11°59	29°58	2°21	18°55	11°11	4° 9	27°57	29° 4	14°29	n.a.	T 9
W10	8 19 14	6°52'28	8♐54	9°35	17°12	12°46	0♉11	2°20	18°57	11°10	4°11	27°55	29° 1	14°36	n.a.	W10
T 11	8 23 11	7°51'46	23°10	10°45	17°43	13°32	0°24	2°18	18°58	11° 8	4°12	27°53	28°58	14°43	n.a.	T 11
F 12	8 27 7	8°51'02	7♉22	11°58	18°12	14°19	0°37	2°16	19° 0	11° 7	4°14	27°50	28°54	14°50	n.a.	F 12
S 13	8 31 4	9°50'16	21°24	13°13	18°40	15° 6	0°49	2°14	19° 2	11° 6	4°15	27°48	28°51	14°56	n.a.	S 13
S 14	8 35 0	10°49'27	5♒12	14°29	19° 6	15°53	1° 2	2°13	19° 3	11° 4	4°17	27°46	28°48	15° 3	n.a.	S 14
M15	8 38 57	11°48'37	18°44	15°48	19°30	16°39	1°14	2°11	19° 5	11° 3	4°18	27°45	28°45	15°10	n.a.	M15
T 16	8 42 54	12°47'44	1♓58	17° 8	19°53	17°26	1°27	2° 9	19° 7	11° 2	4°20	27°D45	28°42	15°17	n.a.	T 16
W17	8 46 50	13°46'49	14°52	18°30	20°13	18°13	1°39	2° 6	19° 9	11° 0	4°21	27°45	28°38	15°23	n.a.	W17
T 18	8 50 47	14°45'52	27°28	19°54	20°32	18°59	1°51	2° 4	19°11	10°59	4°22	27°46	28°35	15°30	n.a.	T 18
F 19	8 54 43	15°44'52	9♈48	21°19	20°49	19°46	2° 4	2° 2	19°13	10°57	4°24	27°47	28°32	15°37	n.a.	F 19
S 20	8 58 40	16°43'50	21°56	22°46	21° 4	20°33	2°16	2° 0	19°15	10°56	4°25	27°49	28°29	15°43	n.a.	S 20
S 21	9 2 36	17°42'45	3♉54	24°15	21°17	21°19	2°28	1°57	19°17	10°54	4°27	27°49	28°26	15°50	n.a.	S 21
M22	9 6 33	18°41'38	15°47	25°45	21°27	22° 6	2°40	1°55	19°19	10°53	4°28	27°R50	28°23	15°57	n.a.	M22
T 23	9 10 29	19°40'29	27°40	27°16	21°35	22°52	2°52	1°52	19°21	10°52	4°29	27°50	28°19	16° 4	n.a.	T 23
W24	9 14 26	20°39'17	9♊38	28°50	21°41	23°39	3° 4	1°49	19°23	10°50	4°31	27°49	28°16	16°10	n.a.	W24
T 25	9 18 22	21°38'02	21°45	0♒25	21°45	24°25	3°15	1°46	19°25	10°49	4°32	27°48	28°13	16°17	n.a.	T 25
F 26	9 22 19	22°36'46	4♋ 5	2° 1	21°R46	25°12	3°27	1°44	19°28	10°47	4°33	27°48	28°10	16°24	n.a.	F 26
S 27	9 26 16	23°35'27	16°42	3°39	21°45	25°58	3°38	1°41	19°30	10°45	4°34	27°47	28° 7	16°30	n.a.	S 27
S 28	9 30 12	24°34'06	29°36	5°18	21°41	26°44	3°50	1°38	19°32	10°44	4°36	27°47	28° 4	16°37	n.a.	S 28
M29	9 34 9	25♒32'42	12♌49	7♒ 0	21♓35	27♉31	4♉ 1	1♎34	19♈35	10♍42	4♉37	27♌47	28♌ 0	16♉44	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20s57	17n31	2s 6	23s15	0n38	4s22	3n14	24s45	1s 0	24s18	0s26	1n28	2n43	7n 4	0s26	9n17	2n 0	33s 0	9s10	12n25	11n52	11n30		n.a.
T 2	20 45	14 59	0 57	23 26	0 27	3 58	3 23	24 43	1 0	24 18	0 26	1 29	2 43	7 5	0 26	9 18	2 0	33 0	9 10	12 26	11 53	11 32		n.a.
W 3	20 32	11 38	0n16	23 36	0 15	3 34	3 31	24 41	1 0	24 19	0 26	1 29	2 43	7 5	0 26	9 18	2 0	33 0	9 11	12 26	11 54	11 33		n.a.
T 4	20 19	7 37	1 30	23 46	0 5	3 11	3 40	24 39	1 1	24 19	0 26	1 30	2 44	7 6	0 26	9 19	2 0	33 0	9 11	12 25	11 55	11 35		n.a.
F 5	20 6	3 9	2 39	23 55	0s 6	2 48	3 49	24 36	1 1	24 19	0 26	1 31	2 44	7 6	0 26	9 19	2 0	33 0	9 11	12 25	11 56	11 37		n.a.
S 6	19 52	1s31	3 39	24 3	0 16	2 25	3 58	24 33	1 2	24 19	0 26	1 31	2 44	7 7	0 26	9 20	2 0	33 0	9 11	12 24	11 57	11 39		n.a.
S 7	19 38	6 8	4 28	24 10	0 26	2 2	4 6	24 30	1 2	24 20	0 26	1 32	2 44	7 7	0 26	9 20	2 0	33 0	9 11	12 24	11 59	11 40		n.a.
M 8	19 24	10 27	5 0	24 16	0 35	1 40	4 15	24 27	1 3	24 20	0 27	1 33	2 45	7 8	0 26	9 21	2 0	33 0	9 11	12 24	12 0	11 42		n.a.
T 9	19 9	14 12	5 14	24 21	0 44	1 19	4 24	24 23	1 3	24 20	0 27	1 34	2 45	7 8	0 26	9 21	2 0	33 1	9 12	12 24	12 1	11 44		n.a.
W10	18 54	17 7	5 9	24 25	0 53	0 58	4 33	24 19	1 3	24 20	0 27	1 34	2 45	7 9	0 26	9 22	2 0	33 1	9 12	12 25	12 2	11 46		n.a.
T 11	18 39	18 58	4 45	24 27	1 1	0 38	4 42	24 14	1 4	24 20	0 27	1 35	2 45	7 10	0 26	9 22	2 1	33 1	9 12	12 26	12 3	11 47		n.a.
F 12	18 23	19 38	4 3	24 29	1 9	0 18	4 51	24 10	1 4	24 20	0 27	1 36	2 45	7 10	0 26	9 23	2 1	33 1	9 12	12 27	12 4	11 49		n.a.
S 13	18 7	19 4	3 7	24 29	1 16	0n 1	5 0	24 5	1 5	24 20	0 27	1 37	2 46	7 11	0 26	9 24	2 1	33 1	9 12	12 28	12 5	11 51		n.a.
S 14	17 51	17 22	2 1	24 28	1 23	0 20	5 9	24 0	1 5	24 20	0 27	1 38	2 46	7 12	0 26	9 24	2 1	33 1	9 13	12 28	12 7	11 53		n.a.
M15	17 34	14 42	0 50	24 25	1 30	0 38	5 18	23 54	1 5	24 21	0 28	1 39	2 46	7 13	0 26	9 25	2 1	33 1	9 13	12 29	12 8	11 54		n.a.
T 16	17 17	11 20	0s23	24 21	1 36	0 55	5 27	23 49	1 6	24 21	0 28	1 40	2 46	7 13	0 26	9 25	2 1	33 1	9 13	12 29	12 9	11 56		n.a.
W17	17 0	7 30	1 33	24 16	1 42	1 11	5 35	23 43	1 6	24 21	0 28	1 41	2 47	7 14	0 26	9 26	2 1	33 2	9 13	12 29	12 10	11 58		n.a.
T 18	16 43	3 25	2 37	24 9	1 47	1 27	5 44	23 36	1 6	24 21	0 28	1 42	2 47	7 15	0 26	9 26	2 1	33 2	9 13	12 28	12 11	12 0		n.a.
F 19	16 25	0n43	3 32	24 0	1 52	1 41	5 53	23 30	1 7	24 21	0 28	1 43	2 47	7 16	0 26	9 27	2 1	33 2	9 14	12 28	12 12	12 1		n.a.
S 20	16 7	4 44	4 17	23 50	1 56	1 55	6 2	23 23	1 7	24 21	0 28	1 44	2 47	7 16	0 26	9 28	2 1	33 2	9 14	12 27	12 13	12 3		n.a.
S 21	15 49	8 31	4 50	23 38	2 0	2 8	6 10	23 16	1 7	24 20	0 29	1 46	2 47	7 17	0 26	9 28	2 1	33 2	9 14	12 27	12 14	12 5		n.a.
M22	15 30	11 56	5 10	23 25	2 4	2 20	6 18	23 9	1 8	24 20	0 29	1 47	2 48	7 18	0 26	9 29	2 1	33 2	9 14	12 27	12 16	12 7		n.a.
T 23	15 11	14 52	5 17	23 10	2 7	2 30	6 26	23 1	1 8	24 20	0 29	1 48	2 48	7 19	0 26	9 29	2 1	33 3	9 14	12 27	12 17	12 8		n.a.
W24	14 53	17 12	5 10	22 53	2 9	2 40	6 34	22 54	1 8	24 20	0 29	1 49	2 48	7 20	0 26	9 30	2 1	33 3	9 15	12 27	12 18	12 10		n.a.
T 25	14 33	18 48	4 50	22 35	2 11	2 48	6 42	22 46	1 9	24 20	0 29	1 51	2 48	7 21	0 26	9 31	2 1	33 3	9 15	12 28	12 19	12 12		n.a.
F 26	14 14	19 34	4 16	22 14	2 13	2 56	6 49	22 37	1 9	24 20	0 30	1 52	2 48	7 21	0 26	9 31	2 1	33 3	9 15	12 28	12 20	12 14		n.a.
S 27	13 54	19 22	3 29	21 52	2 14	3 2	6 57	22 29	1 9	24 20	0 30	1 53	2 49	7 22	0 26	9 32	2 1	33 3	9 15	12 28	12 21	12 15		n.a.
S 28	13 35	18 10	2 30	21 28	2 15	3 7	7 3	22 20	1 9	24 20	0 30	1 55	2 49	7 23	0 26	9 32	2 1	33 4	9 16	12 28	12 22	12 17		n.a.
M29	13s15	15n58	1s22	21s 3	2s15	3n10	7n10	22s11	1s10	24s20	0s30	1n56	2n49	7n24	0s26	9n33	2n 1	33s 4	9s16	12n28	12n23	12n19		n.a.

Julian Day Number = 1111851.5, Delta T = 10h51m32s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'42, Lahiri = -26°58'41 Julian Calendar 1 Feb. 1669 BCE == Greg. Calendar 18 Jan. 1669 BCE

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

MARCH 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 38 5	26♒31'16	26♌21	8♒42	21°R27	28♉17	4♉13	1°R31	19♈37	10°R41	4♉38	27°D47	27♌57	16♉51	n.a.	T 1
W 2	9 42 2	27°29'48	10♍10	10°26	21♓16	29° 3	4°24	1♎28	19°39	10♍39	4°39	27°R47	27°54	16°57	n.a.	W 2
T 3	9 45 58	28°28'18	24°13	12°12	21° 2	29°49	4°35	1°25	19°42	10°38	4°40	27♌47	27°51	17° 4	n.a.	T 3
F 4	9 49 55	29°26'46	8♎26	13°59	20°46	0♒36	4°46	1°21	19°44	10°36	4°42	27°46	27°48	17°11	n.a.	F 4
S 5	9 53 51	0♓25'13	22°45	15°48	20°28	1°22	4°57	1°18	19°47	10°34	4°43	27°46	27°44	17°17	n.a.	S 5
S 6	9 57 48	1°23'37	7♏ 6	17°38	20° 7	2° 8	5° 8	1°15	19°49	10°33	4°44	27°46	27°41	17°24	n.a.	S 6
M 7	10 1 44	2°22'00	21°24	19°30	19°44	2°54	5°18	1°11	19°52	10°31	4°45	27°46	27°38	17°31	n.a.	M 7
T 8	10 5 41	3°20'21	5♐38	21°24	19°19	3°40	5°29	1° 7	19°55	10°30	4°46	27°D46	27°35	17°38	n.a.	T 8
W 9	10 9 38	4°18'41	19°44	23°19	18°52	4°26	5°40	1° 4	19°57	10°28	4°47	27°46	27°32	17°44	n.a.	W 9
T 10	10 13 34	5°16'58	3♑41	25°16	18°22	5°12	5°50	1° 0	20° 0	10°26	4°48	27°46	27°29	17°51	n.a.	T 10
F 11	10 17 31	6°15'15	17°27	27°14	17°51	5°58	6° 0	0°56	20° 3	10°25	4°49	27°47	27°25	17°58	n.a.	F 11
S 12	10 21 27	7°13'29	1♒ 1	29°14	17°19	6°44	6°11	0°52	20° 6	10°23	4°50	27°48	27°22	18° 5	n.a.	S 12
S 13	10 25 24	8°11'42	14°23	1♓15	16°45	7°30	6°21	0°48	20° 8	10°22	4°51	27°48	27°19	18°11	n.a.	S 13
M14	10 29 20	9° 9'52	27°31	3°18	16°10	8°16	6°31	0°45	20°11	10°20	4°52	27°R49	27°16	18°18	n.a.	M14
T 15	10 33 17	10° 8'01	10♓25	5°22	15°33	9° 1	6°41	0°41	20°14	10°18	4°53	27°48	27°13	18°25	n.a.	T 15
W16	10 37 13	11° 6'08	23° 6	7°28	14°56	9°47	6°50	0°37	20°17	10°17	4°54	27°47	27°10	18°31	n.a.	W16
T 17	10 41 10	12° 4'13	5♈33	9°34	14°18	10°33	7° 0	0°33	20°20	10°15	4°54	27°46	27° 6	18°38	n.a.	T 17
F 18	10 45 6	13° 2'16	17°48	11°42	13°40	11°19	7°10	0°28	20°23	10°13	4°55	27°44	27° 3	18°45	n.a.	F 18
S 19	10 49 3	14° 0'18	29°53	13°50	13° 2	12° 4	7°19	0°24	20°26	10°12	4°56	27°41	27° 0	18°52	n.a.	S 19
S 20	10 53 0	14°58'17	11♉50	15°59	12°24	12°50	7°28	0°20	20°29	10°10	4°57	27°39	26°57	18°58	n.a.	S 20
M21	10 56 56	15°56'14	23°44	18° 8	11°47	13°35	7°37	0°16	20°32	10° 8	4°58	27°37	26°54	19° 5	n.a.	M21
T 22	11 0 53	16°54'09	5♊37	20°17	11°10	14°21	7°47	0°12	20°35	10° 7	4°58	27°36	26°50	19°12	n.a.	T 22
W23	11 4 49	17°52'03	17°34	22°27	10°34	15° 6	7°55	0° 7	20°38	10° 5	4°59	27°D35	26°47	19°18	n.a.	W23
T 24	11 8 46	18°49'54	29°39	24°36	9°59	15°52	8° 4	0° 3	20°41	10° 4	5° 0	27°35	26°44	19°25	n.a.	T 24
F 25	11 12 42	19°47'44	11♋59	26°44	9°25	16°37	8°13	29♍59	20°44	10° 2	5° 1	27°37	26°41	19°32	n.a.	F 25
S 26	11 16 39	20°45'31	24°35	28°51	8°53	17°22	8°21	29°54	20°47	10° 0	5° 1	27°38	26°38	19°39	n.a.	S 26
S 27	11 20 35	21°43'17	7♌33	0♈57	8°22	18° 7	8°30	29°50	20°51	9°59	5° 2	27°40	26°35	19°45	n.a.	S 27
M28	11 24 32	22°41'01	20°54	3° 1	7°54	18°53	8°38	29°46	20°54	9°57	5° 2	27°R41	26°31	19°52	n.a.	M28
T 29	11 28 28	23°38'43	4♍40	5° 4	7°27	19°38	8°46	29°41	20°57	9°56	5° 3	27°41	26°28	19°59	n.a.	T 29
W30	11 32 25	24°36'23	18°48	7° 5	7° 2	20°23	8°54	29°37	21° 0	9°54	5° 3	27°39	26°25	20° 6	n.a.	W30
T 31	11 36 22	25♓34'02	3♎16	9♈ 3	6♓40	21♒ 8	9♉ 2	29♍33	21♈ 4	9♍53	5♉ 4	27♌37	26♌22	20♉12	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s54	12n51	0s 8	20s35	2s15	3n12	7n16	22s 2	1s10	24s19	0s30	1n58	2n49	7n25	0s26	9n34	2n 1	33s 4	9s16	12n28	12n24	12n21		n.a.
W 2	12 34	8 57	1n 8	20 6	2 14	3 13	7 22	21 53	1 10	24 19	0 30	1 59	2 49	7 26	0 26	9 34	2 1	33 4	9 16	12 28	12 26	12 22		n.a.
T 3	12 13	4 30	2 21	19 34	2 12	3 12	7 27	21 43	1 11	24 19	0 31	2 1	2 49	7 27	0 26	9 35	2 1	33 4	9 17	12 28	12 27	12 24		n.a.
F 4	11 53	0s15	3 27	19 1	2 10	3 10	7 31	21 33	1 11	24 19	0 31	2 2	2 50	7 28	0 26	9 36	2 1	33 5	9 17	12 28	12 28	12 26		n.a.
S 5	11 32	5 0	4 20	18 26	2 8	3 7	7 36	21 23	1 11	24 18	0 31	2 4	2 50	7 29	0 26	9 36	2 1	33 5	9 17	12 28	12 29	12 28		n.a.
S 6	11 11	9 28	4 57	17 49	2 5	3 2	7 39	21 13	1 11	24 18	0 31	2 5	2 50	7 30	0 26	9 37	2 1	33 5	9 17	12 28	12 30	12 29		n.a.
M 7	10 49	13 23	5 15	17 10	2 1	2 55	7 42	21 2	1 11	24 18	0 31	2 7	2 50	7 31	0 26	9 37	2 1	33 5	9 18	12 29	12 31	12 31		n.a.
T 8	10 28	16 30	5 14	16 29	1 57	2 47	7 44	20 51	1 12	24 18	0 32	2 8	2 50	7 32	0 25	9 38	2 1	33 5	9 18	12 29	12 32	12 33		n.a.
W 9	10 7	18 36	4 54	15 46	1 52	2 38	7 45	20 40	1 12	24 17	0 32	2 10	2 50	7 33	0 25	9 39	2 1	33 6	9 18	12 28	12 33	12 34		n.a.
T 10	9 45	19 33	4 17	15 1	1 47	2 27	7 46	20 29	1 12	24 17	0 32	2 12	2 50	7 34	0 25	9 39	2 1	33 6	9 18	12 28	12 34	12 36		n.a.
F 11	9 23	19 20	3 25	14 15	1 42	2 14	7 46	20 18	1 12	24 17	0 32	2 13	2 51	7 35	0 25	9 40	2 1	33 6	9 19	12 28	12 36	12 38		n.a.
S 12	9 1	17 59	2 23	13 26	1 35	2 1	7 45	20 6	1 12	24 17	0 32	2 15	2 51	7 36	0 25	9 41	2 1	33 6	9 19	12 28	12 37	12 40		n.a.
S 13	8 39	15 39	1 14	12 36	1 28	1 46	7 43	19 55	1 13	24 16	0 33	2 16	2 51	7 37	0 25	9 41	2 1	33 7	9 19	12 28	12 38	12 41		n.a.
M14	8 17	12 32	0 2	11 44	1 21	1 30	7 40	19 43	1 13	24 16	0 33	2 18	2 51	7 39	0 25	9 42	2 1	33 7	9 19	12 27	12 39	12 43		n.a.
T 15	7 55	8 52	1s 9	10 51	1 13	1 12	7 37	19 30	1 13	24 16	0 33	2 20	2 51	7 40	0 25	9 43	2 1	33 7	9 20	12 28	12 40	12 45		n.a.
W16	7 32	4 51	2 15	9 56	1 5	0 54	7 32	19 18	1 13	24 15	0 33	2 22	2 51	7 41	0 25	9 43	2 1	33 7	9 20	12 28	12 41	12 46		n.a.
T 17	7 10	0 43	3 14	8 59	0 56	0 34	7 27	19 6	1 13	24 15	0 33	2 23	2 51	7 42	0 25	9 44	2 1	33 8	9 20	12 28	12 42	12 48		n.a.
F 18	6 47	3n23	4 2	8 1	0 47	0 14	7 21	18 53	1 13	24 15	0 34	2 25	2 51	7 43	0 25	9 45	2 1	33 8	9 21	12 29	12 43	12 50		n.a.
S 19	6 24	7 18	4 39	7 3	0 37	0s 7	7 14	18 40	1 14	24 15	0 34	2 27	2 51	7 44	0 25	9 45	2 1	33 8	9 21	12 30	12 44	12 52		n.a.
S 20	6 2	10 52	5 3	6 3	0 27	0 28	7 7	18 27	1 14	24 14	0 34	2 29	2 51	7 45	0 25	9 46	2 1	33 8	9 21	12 31	12 46	12 53		n.a.
M21	5 39	13 59	5 14	5 2	0 17	0 51	6 58	18 14	1 14	24 14	0 34	2 30	2 51	7 47	0 25	9 46	2 1	33 9	9 21	12 32	12 47	12 55		n.a.
T 22	5 16	16 31	5 12	4 1	0 6	1 13	6 49	18 1	1 14	24 14	0 34	2 32	2 52	7 48	0 25	9 47	2 1	33 9	9 22	12 32	12 48	12 57		n.a.
W23	4 53	18 23	4 56	2 59	0n 4	1 36	6 39	17 47	1 14	24 13	0 35	2 34	2 52	7 49	0 25	9 48	2 1	33 9	9 22	12 32	12 49	12 58		n.a.
T 24	4 30	19 26	4 27	1 57	0 15	1 59	6 29	17 33	1 14	24 13	0 35	2 36	2 52	7 50	0 25	9 48	2 1	33 9	9 22	12 32	12 50	13 0		n.a.
F 25	4 7	19 36	3 46	0 56	0 26	2 22	6 18	17 20	1 14	24 13	0 35	2 37	2 52	7 51	0 25	9 49	2 1	33 10	9 23	12 32	12 51	13 2		n.a.
S 26	3 44	18 47	2 52	0n 6	0 37	2 44	6 6	17 6	1 14	24 12	0 35	2 39	2 52	7 53	0 25	9 49	2 1	33 10	9 23	12 31	12 52	13 4		n.a.
S 27	3 21	16 59	1 48	1 6	0 47	3 7	5 55	16 52	1 14	24 12	0 35	2 41	2 52	7 54	0 25	9 50	2 1	33 10	9 23	12 31	12 53	13 5		n.a.
M28	2 57	14 12	0 37	2 6	0 58	3 29	5 42	16 37	1 15	24 12	0 36	2 43	2 52	7 55	0 25	9 51	2 1	33 10	9 23	12 30	12 54	13 7		n.a.
T 29	2 34	10 34	0n38	3 5	1 8	3 51	5 30	16 23	1 15	24 11	0 36	2 45	2 52	7 56	0 25	9 51	2 1	33 11	9 24	12 30	12 56	13 9		n.a.
W30	2 11	6 14	1 53	4 3	1 18	4 12	5 17	16 8	1 15	24 11	0 36	2 46	2 52	7 58	0 25	9 52	2 1	33 11	9 24	12 31	12 57	13 10		n.a.
T 31	1s48	1n28	3n 3	4n59	1n27	4s33	5n 3	15s54	1s15	24s11	0s36	2n48	2n52	7n59	0s25	9n52	2n 1	33s11	9s24	12n32	12n58	13n12		n.a.

Julian Day Number = 1111880.5, Delta T = 10h51m31s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'38, Lahiri = -26°58'37 Julian Calendar 1 March 1669 BCE == Greg. Calendar 16 Feb. 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

APRIL 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 40 18	26♓31'39	17♎56	10♈59	6°R20	21♒53	9♑10	29°R28	21♈ 7	9°R51	5♑ 5	27°R33	26♌19	20♉19	n.a.	F 1
S 2	11 44 15	27°29'15	2♏43	12°52	6♓ 2	22°38	9°18	29♍24	21°10	9♍49	5° 5	27♌29	26°15	20°26	n.a.	S 2
S 3	11 48 11	28°26'50	17°28	14°42	5°46	23°23	9°25	29°19	21°13	9°48	5° 5	27°25	26°12	20°32	n.a.	S 3
M 4	11 52 8	29°24'24	2♐ 4	16°30	5°33	24° 8	9°32	29°15	21°17	9°46	5° 6	27°22	26° 9	20°39	n.a.	M 4
T 5	11 56 4	0♈21'56	16°27	18°14	5°23	24°52	9°40	29°10	21°20	9°45	5° 6	27°19	26° 6	20°46	n.a.	T 5
W 6	12 0 1	1°19'28	0♑34	19°56	5°15	25°37	9°47	29° 6	21°23	9°43	5° 7	27°D19	26° 3	20°53	n.a.	W 6
T 7	12 3 57	2°16'58	14°22	21°34	5° 9	26°22	9°54	29° 2	21°27	9°42	5° 7	27°19	26° 0	20°59	n.a.	T 7
F 8	12 7 54	3°14'28	27°53	23° 9	5° 6	27° 7	10° 0	28°57	21°30	9°40	5° 7	27°21	25°56	21° 6	n.a.	F 8
S 9	12 11 51	4°11'56	11♒ 8	24°40	5°D 5	27°51	10° 7	28°53	21°34	9°39	5° 8	27°22	25°53	21°13	n.a.	S 9
S 10	12 15 47	5° 9'24	24° 7	26° 9	5° 7	28°36	10°13	28°48	21°37	9°38	5° 8	27°R23	25°50	21°20	n.a.	S 10
M11	12 19 44	6° 6'50	6♓53	27°34	5°10	29°20	10°20	28°44	21°40	9°36	5° 8	27°23	25°47	21°26	n.a.	M11
T 12	12 23 40	7° 4'15	19°28	28°55	5°16	0♓ 5	10°26	28°40	21°44	9°35	5° 8	27°20	25°44	21°33	n.a.	T 12
W13	12 27 37	8° 1'39	1♈52	0♉13	5°25	0°49	10°32	28°35	21°47	9°33	5° 9	27°16	25°41	21°40	n.a.	W13
T 14	12 31 33	8°59'02	14° 7	1°28	5°35	1°33	10°38	28°31	21°51	9°32	5° 9	27°10	25°37	21°46	n.a.	T 14
F 15	12 35 30	9°56'24	26°14	2°39	5°47	2°18	10°43	28°27	21°54	9°31	5° 9	27° 3	25°34	21°53	n.a.	F 15
S 16	12 39 26	10°53'45	8♉14	3°47	6° 2	3° 2	10°49	28°22	21°58	9°29	5° 9	26°55	25°31	22° 0	n.a.	S 16
S 17	12 43 23	11°51'05	20° 9	4°50	6°18	3°46	10°54	28°18	22° 1	9°28	5° 9	26°47	25°28	22° 7	n.a.	S 17
M18	12 47 20	12°48'23	2♊ 0	5°51	6°37	4°30	10°59	28°14	22° 5	9°27	5° 9	26°40	25°25	22°13	n.a.	M18
T 19	12 51 16	13°45'41	13°52	6°47	6°57	5°14	11° 4	28°10	22° 8	9°25	5° 9	26°34	25°21	22°20	n.a.	T 19
W20	12 55 13	14°42'57	25°48	7°39	7°18	5°58	11° 9	28° 5	22°12	9°24	5°R 9	26°30	25°18	22°27	n.a.	W20
T 21	12 59 9	15°40'12	7♋52	8°28	7°42	6°42	11°14	28° 1	22°15	9°23	5° 9	26°28	25°15	22°33	n.a.	T 21
F 22	13 3 6	16°37'26	20° 8	9°12	8° 7	7°26	11°18	27°57	22°19	9°22	5° 9	26°D28	25°12	22°40	n.a.	F 22
S 23	13 7 2	17°34'39	2♌41	9°52	8°34	8° 9	11°22	27°53	22°22	9°20	5° 9	26°29	25° 9	22°47	n.a.	S 23
S 24	13 10 59	18°31'51	15°37	10°28	9° 2	8°53	11°26	27°49	22°26	9°19	5° 9	26°30	25° 6	22°54	n.a.	S 24
M25	13 14 55	19°29'02	28°58	11° 0	9°32	9°37	11°30	27°45	22°29	9°18	5° 9	26°R30	25° 2	23° 0	n.a.	M25
T 26	13 18 52	20°26'11	12♍47	11°28	10° 3	10°20	11°34	27°41	22°33	9°17	5° 9	26°29	24°59	23° 7	n.a.	T 26
W27	13 22 49	21°23'20	27° 3	11°51	10°36	11° 4	11°38	27°37	22°37	9°16	5° 9	26°26	24°56	23°14	n.a.	W27
T 28	13 26 45	22°20'28	11♎44	12° 9	11°10	11°47	11°41	27°34	22°40	9°15	5° 8	26°20	24°53	23°21	n.a.	T 28
F 29	13 30 42	23°17'35	26°43	12°23	11°45	12°31	11°44	27°30	22°44	9°14	5° 8	26°13	24°50	23°27	n.a.	F 29
S 30	13 34 38	24♈14'41	11♏52	12♉32	12♓21	13♓14	11♑48	27♍26	22♈47	9♍13	5♑ 8	26♌ 5	24♌46	23♉34	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s24	3s27	4n 1	5n54	1n36	4s52	4n50	15s39	1s15	24s10	0s37	2n50	2n52	8n 0	0s25	9n53	2n 1	33s11	9s25	12n33	12n59	13n14		n.a.
S 2	1 1	8 12	4 44	6 46	1 45	5 11	4 37	15 24	1 15	24 10	0 37	2 52	2 52	8 1	0 25	9 54	2 1	33 12	9 25	12 34	13 0	13 15		n.a.
S 3	0 38	12 27	5 8	7 37	1 52	5 30	4 23	15 9	1 15	24 10	0 37	2 54	2 52	8 3	0 25	9 54	2 1	33 12	9 25	12 36	13 1	13 17		n.a.
M 4	0 14	15 53	5 11	8 26	2 0	5 47	4 10	14 54	1 15	24 9	0 37	2 55	2 52	8 4	0 25	9 55	2 1	33 12	9 26	12 37	13 2	13 19		n.a.
T 5	0n 9	18 17	4 55	9 13	2 6	6 4	3 56	14 39	1 15	24 9	0 38	2 57	2 52	8 5	0 25	9 55	2 1	33 13	9 26	12 38	13 3	13 20		n.a.
W 6	0 32	19 32	4 21	9 58	2 12	6 19	3 43	14 23	1 15	24 9	0 38	2 59	2 52	8 7	0 25	9 56	2 1	33 13	9 26	12 38	13 4	13 22		n.a.
T 7	0 55	19 34	3 33	10 41	2 18	6 34	3 29	14 8	1 15	24 8	0 38	3 1	2 52	8 8	0 25	9 56	2 1	33 13	9 27	12 38	13 5	13 24		n.a.
F 8	1 19	18 28	2 34	11 21	2 22	6 47	3 16	13 52	1 15	24 8	0 38	3 3	2 52	8 9	0 25	9 57	2 1	33 13	9 27	12 37	13 6	13 25		n.a.
S 9	1 42	16 22	1 27	11 59	2 26	7 0	3 3	13 37	1 15	24 8	0 38	3 4	2 52	8 10	0 25	9 58	2 1	33 14	9 27	12 37	13 8	13 27		n.a.
S 10	2 5	13 27	0 18	12 35	2 29	7 11	2 50	13 21	1 15	24 8	0 39	3 6	2 52	8 12	0 25	9 58	2 1	33 14	9 27	12 36	13 9	13 29		n.a.
M11	2 28	9 56	0s52	13 9	2 31	7 21	2 37	13 5	1 15	24 7	0 39	3 8	2 52	8 13	0 25	9 59	2 1	33 14	9 28	12 37	13 10	13 31		n.a.
T 12	2 51	6 2	1 57	13 40	2 33	7 31	2 25	12 49	1 15	24 7	0 39	3 9	2 52	8 14	0 25	9 59	2 1	33 15	9 28	12 37	13 11	13 32		n.a.
W13	3 14	1 55	2 56	14 9	2 33	7 39	2 12	12 33	1 15	24 7	0 39	3 11	2 52	8 16	0 25	10 0	2 1	33 15	9 28	12 39	13 12	13 34		n.a.
T 14	3 38	2n12	3 46	14 36	2 33	7 47	2 0	12 17	1 15	24 7	0 40	3 13	2 52	8 17	0 25	10 0	2 1	33 15	9 29	12 41	13 13	13 36		n.a.
F 15	4 0	6 12	4 25	15 0	2 32	7 53	1 48	12 1	1 15	24 7	0 40	3 15	2 51	8 18	0 25	10 1	2 1	33 16	9 29	12 43	13 14	13 37		n.a.
S 16	4 23	9 55	4 52	15 22	2 30	7 58	1 37	11 44	1 14	24 6	0 40	3 16	2 51	8 20	0 25	10 1	2 1	33 16	9 29	12 46	13 15	13 39		n.a.
S 17	4 46	13 12	5 6	15 41	2 28	8 3	1 26	11 28	1 14	24 6	0 40	3 18	2 51	8 21	0 25	10 2	2 1	33 16	9 30	12 49	13 16	13 41		n.a.
M18	5 9	15 57	5 6	15 59	2 24	8 6	1 15	11 11	1 14	24 6	0 41	3 20	2 51	8 22	0 25	10 2	2 1	33 16	9 30	12 52	13 17	13 42		n.a.
T 19	5 32	18 2	4 54	16 14	2 20	8 8	1 4	10 55	1 14	24 6	0 41	3 21	2 51	8 24	0 25	10 3	2 1	33 17	9 30	12 54	13 18	13 44		n.a.
W20	5 54	19 20	4 29	16 26	2 15	8 10	0 53	10 38	1 14	24 6	0 41	3 23	2 51	8 25	0 25	10 3	2 1	33 17	9 30	12 55	13 20	13 46		n.a.
T 21	6 17	19 48	3 51	16 37	2 8	8 10	0 43	10 22	1 14	24 5	0 41	3 24	2 51	8 26	0 25	10 3	2 1	33 17	9 31	12 56	13 21	13 47		n.a.
F 22	6 39	19 20	3 3	16 45	2 1	8 10	0 33	10 5	1 14	24 5	0 42	3 26	2 51	8 28	0 25	10 4	2 1	33 18	9 31	12 56	13 22	13 49		n.a.
S 23	7 1	17 54	2 5	16 50	1 54	8 9	0 24	9 48	1 14	24 5	0 42	3 27	2 51	8 29	0 25	10 4	2 1	33 18	9 31	12 55	13 23	13 50		n.a.
S 24	7 24	15 32	0 58	16 54	1 45	8 7	0 14	9 31	1 14	24 5	0 42	3 29	2 51	8 30	0 25	10 5	2 1	33 18	9 32	12 55	13 24	13 52		n.a.
M25	7 46	12 15	0n13	16 55	1 35	8 4	0 5	9 14	1 13	24 5	0 43	3 30	2 50	8 32	0 25	10 5	2 1	33 19	9 32	12 55	13 25	13 54		n.a.
T 26	8 8	8 13	1 26	16 54	1 25	8 0	0s 4	8 57	1 13	24 5	0 43	3 32	2 50	8 33	0 25	10 6	2 1	33 19	9 32	12 55	13 26	13 55		n.a.
W27	8 30	3 34	2 36	16 50	1 14	7 55	0 12	8 41	1 13	24 5	0 43	3 33	2 50	8 34	0 25	10 6	2 1	33 19	9 33	12 56	13 27	13 57		n.a.
T 28	8 51	1s24	3 38	16 45	1 2	7 49	0 20	8 24	1 13	24 5	0 43	3 35	2 50	8 36	0 25	10 6	2 1	33 20	9 33	12 58	13 28	13 59		n.a.
F 29	9 13	6 22	4 26	16 37	0 49	7 43	0 28	8 6	1 13	24 5	0 44	3 36	2 50	8 37	0 25	10 7	2 0	33 20	9 33	13 1	13 29	14 0		n.a.
S 30	9n34	11s 0	4n55	16n27	0n35	7s36	0s36	7s49	1s13	24s 5	0s44	3n38	2n50	8n39	0s25	10n 7	2n 0	33s20	9s33	13n 4	13n30	14n 2		n.a.

Julian Day Number = 1111911.5, Delta T = 10h51m29s
Ecliptic obliquity = 23°53'14, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'34, Lahiri = -26°58'33 Julian Calendar 1 Apr. 1669 BCE == Greg. Calendar 18 March 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

MAY 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 38 35	25♈11'48	26♏59	12♉37	12♓59	13♓57	11♑50	27°R22	22♈51	9°R11	5°R 8	25°R56	24♌43	23♉41	n.a.	S 1
M 2	13 42 31	26° 8'53	11♐56	12°R37	13°38	14°41	11°53	27♍19	22°54	9♍10	5♑ 7	25♌49	24°40	23°47	n.a.	M 2
T 3	13 46 28	27° 5'59	26°35	12°33	14°17	15°24	11°56	27°15	22°58	9°10	5° 7	25°43	24°37	23°54	n.a.	T 3
W 4	13 50 24	28° 3'05	10♑50	12°25	14°58	16° 7	11°58	27°12	23° 1	9° 9	5° 7	25°40	24°34	24° 1	n.a.	W 4
T 5	13 54 21	29° 0'10	24°40	12°12	15°40	16°50	12° 0	27° 8	23° 5	9° 8	5° 6	25°D39	24°31	24° 8	n.a.	T 5
F 6	13 58 18	29°57'15	8♒ 7	11°55	16°23	17°33	12° 2	27° 5	23° 8	9° 7	5° 6	25°39	24°27	24°14	n.a.	F 6
S 7	14 2 14	0♉54'20	21°12	11°35	17° 7	18°16	12° 4	27° 2	23°12	9° 6	5° 6	25°R39	24°24	24°21	n.a.	S 7
S 8	14 6 11	1°51'25	3♓58	11°11	17°52	18°59	12° 6	26°58	23°15	9° 5	5° 5	25°39	24°21	24°28	n.a.	S 8
M 9	14 10 7	2°48'30	16°30	10°44	18°37	19°41	12° 7	26°55	23°19	9° 4	5° 5	25°37	24°18	24°35	n.a.	M 9
T 10	14 14 4	3°45'34	28°50	10°14	19°24	20°24	12° 8	26°52	23°22	9° 3	5° 4	25°33	24°15	24°41	n.a.	T 10
W11	14 18 0	4°42'39	11♈ 1	9°42	20°11	21° 7	12° 9	26°49	23°26	9° 3	5° 4	25°26	24°12	24°48	n.a.	W11
T 12	14 21 57	5°39'43	23° 5	9° 9	20°59	21°49	12°10	26°46	23°29	9° 2	5° 3	25°16	24° 8	24°55	n.a.	T 12
F 13	14 25 54	6°36'48	5♉ 4	8°34	21°47	22°32	12°11	26°43	23°33	9° 1	5° 3	25° 5	24° 5	25° 1	n.a.	F 13
S 14	14 29 50	7°33'52	16°58	7°59	22°37	23°14	12°11	26°40	23°36	9° 1	5° 2	24°52	24° 2	25° 8	n.a.	S 14
S 15	14 33 47	8°30'56	28°51	7°24	23°27	23°57	12°11	26°38	23°40	9° 0	5° 1	24°39	23°59	25°15	n.a.	S 15
M16	14 37 43	9°28'00	10♊42	6°50	24°18	24°39	12°R11	26°35	23°43	8°59	5° 1	24°27	23°56	25°22	n.a.	M16
T 17	14 41 40	10°25'04	22°35	6°17	25° 9	25°21	12°11	26°32	23°47	8°59	5° 0	24°17	23°52	25°28	n.a.	T 17
W18	14 45 36	11°22'08	4♋31	5°45	26° 1	26° 3	12°11	26°30	23°50	8°58	4°59	24° 9	23°49	25°35	n.a.	W18
T 19	14 49 33	12°19'11	16°35	5°16	26°53	26°45	12°10	26°27	23°53	8°58	4°59	24° 5	23°46	25°42	n.a.	T 19
F 20	14 53 29	13°16'15	28°49	4°50	27°46	27°27	12°10	26°25	23°57	8°57	4°58	24° 2	23°43	25°48	n.a.	F 20
S 21	14 57 26	14°13'18	11♌20	4°28	28°40	28° 9	12° 9	26°23	24° 0	8°57	4°57	24°D 1	23°40	25°55	n.a.	S 21
S 22	15 1 23	15°10'21	24°11	4° 9	29°34	28°51	12° 8	26°21	24° 4	8°56	4°57	24°R 2	23°37	26° 2	n.a.	S 22
M23	15 5 19	16° 7'24	7♍27	3°54	0♈29	29°33	12° 6	26°19	24° 7	8°56	4°56	24° 1	23°33	26° 9	n.a.	M23
T 24	15 9 16	17° 4'27	21°11	3°44	1°24	0♈15	12° 5	26°17	24°10	8°55	4°55	23°59	23°30	26°15	n.a.	T 24
W25	15 13 12	18° 1'30	5♎24	3°38	2°20	0°56	12° 3	26°15	24°14	8°55	4°54	23°55	23°27	26°22	n.a.	W25
T 26	15 17 9	18°58'32	20° 5	3°D37	3°16	1°38	12° 1	26°13	24°17	8°55	4°53	23°48	23°24	26°29	n.a.	T 26
F 27	15 21 5	19°55'35	5♏ 9	3°41	4°13	2°19	11°59	26°11	24°20	8°54	4°53	23°39	23°21	26°36	n.a.	F 27
S 28	15 25 2	20°52'39	20°26	3°51	5°10	3° 1	11°57	26° 9	24°23	8°54	4°52	23°29	23°17	26°42	n.a.	S 28
S 29	15 28 59	21°49'43	5♐46	4° 5	6° 7	3°42	11°55	26° 8	24°27	8°54	4°51	23°18	23°14	26°49	n.a.	S 29
M30	15 32 55	22°46'47	20°56	4°25	7° 5	4°23	11°52	26° 6	24°30	8°54	4°50	23° 8	23°11	26°56	n.a.	M30
T 31	15 36 52	23♉43'52	5♑48	4♉50	8♈ 3	5♈ 4	11♑49	26♍ 5	24♈33	8♍54	4♑49	23♌ 1	23♌ 8	27♉ 2	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	9n56	14s55	5n 4	16n15	0n21	7s28	0s43	7s32	1s13	24s 5	0s44	3n39	2n50	8n40	0s25	10n 7	2n 0	33s20	9s34	13n 7	13n32	14n 4			n.a.
M 2	10 17	17 48	4 53	16 1	0 6	7 20	0 51	7 15	1 12	24 5	0 44	3 40	2 49	8 41	0 25	10 8	2 0	33 21	9 34	13 9	13 33	14 5			n.a.
T 3	10 38	19 29	4 22	15 45	0s 9	7 11	0 58	6 58	1 12	24 5	0 45	3 42	2 49	8 43	0 25	10 8	2 0	33 21	9 34	13 11	13 34	14 7			n.a.
W 4	10 59	19 51	3 35	15 27	0 25	7 1	1 4	6 41	1 12	24 5	0 45	3 43	2 49	8 44	0 25	10 8	2 0	33 21	9 35	13 12	13 35	14 9			n.a.
T 5	11 19	19 1	2 37	15 8	0 41	6 50	1 11	6 23	1 12	24 5	0 45	3 44	2 49	8 45	0 25	10 9	2 0	33 22	9 35	13 13	13 36	14 10			n.a.
F 6	11 40	17 6	1 32	14 47	0 58	6 39	1 17	6 6	1 12	24 5	0 46	3 45	2 49	8 47	0 25	10 9	2 0	33 22	9 35	13 12	13 37	14 12			n.a.
S 7	12 0	14 20	0 24	14 25	1 14	6 27	1 23	5 49	1 11	24 5	0 46	3 46	2 49	8 48	0 25	10 9	2 0	33 22	9 36	13 12	13 38	14 13			n.a.
S 8	12 20	10 55	0s44	14 1	1 31	6 15	1 29	5 32	1 11	24 5	0 46	3 48	2 48	8 49	0 25	10 10	2 0	33 23	9 36	13 12	13 39	14 15			n.a.
M 9	12 40	7 5	1 49	13 37	1 47	6 1	1 34	5 14	1 11	24 6	0 46	3 49	2 48	8 51	0 25	10 10	2 0	33 23	9 36	13 13	13 40	14 17			n.a.
T 10	13 0	3 1	2 47	13 13	2 4	5 48	1 40	4 57	1 11	24 6	0 47	3 50	2 48	8 52	0 25	10 10	2 0	33 23	9 36	13 15	13 41	14 18			n.a.
W11	13 20	1n 8	3 36	12 48	2 19	5 34	1 45	4 40	1 10	24 6	0 47	3 51	2 48	8 53	0 25	10 10	2 0	33 23	9 37	13 17	13 42	14 20			n.a.
T 12	13 39	5 11	4 15	12 23	2 34	5 19	1 50	4 22	1 10	24 6	0 47	3 52	2 48	8 54	0 25	10 11	2 0	33 24	9 37	13 20	13 43	14 22			n.a.
F 13	13 59	9 1	4 43	11 58	2 49	5 3	1 54	4 5	1 10	24 6	0 47	3 53	2 47	8 56	0 25	10 11	2 0	33 24	9 37	13 24	13 44	14 23			n.a.
S 14	14 18	12 28	4 58	11 34	3 2	4 48	1 59	3 48	1 10	24 7	0 48	3 54	2 47	8 57	0 25	10 11	2 0	33 24	9 38	13 29	13 45	14 25			n.a.
S 15	14 36	15 24	5 0	11 10	3 15	4 31	2 3	3 30	1 9	24 7	0 48	3 55	2 47	8 58	0 25	10 11	2 0	33 25	9 38	13 33	13 47	14 26			n.a.
M16	14 55	17 42	4 49	10 48	3 26	4 15	2 7	3 13	1 9	24 7	0 48	3 56	2 47	9 0	0 25	10 11	2 0	33 25	9 38	13 37	13 48	14 28			n.a.
T 17	15 13	19 15	4 26	10 28	3 37	3 57	2 11	2 56	1 9	24 7	0 49	3 56	2 47	9 1	0 25	10 12	2 0	33 25	9 38	13 40	13 49	14 30			n.a.
W18	15 31	19 58	3 50	10 9	3 45	3 40	2 14	2 38	1 8	24 8	0 49	3 57	2 46	9 2	0 25	10 12	2 0	33 26	9 39	13 43	13 50	14 31			n.a.
T 19	15 49	19 47	3 4	9 52	3 53	3 22	2 18	2 21	1 8	24 8	0 49	3 58	2 46	9 4	0 25	10 12	1 59	33 26	9 39	13 45	13 51	14 33			n.a.
F 20	16 7	18 40	2 9	9 38	3 59	3 3	2 21	2 4	1 8	24 8	0 49	3 59	2 46	9 5	0 25	10 12	1 59	33 26	9 39	13 45	13 52	14 35			n.a.
S 21	16 24	16 38	1 7	9 26	4 4	2 44	2 24	1 47	1 7	24 9	0 50	3 59	2 46	9 6	0 25	10 12	1 59	33 26	9 39	13 46	13 53	14 36			n.a.
S 22	16 41	13 43	0n 1	9 16	4 7	2 25	2 27	1 29	1 7	24 9	0 50	4 0	2 46	9 7	0 25	10 12	1 59	33 27	9 40	13 46	13 54	14 38			n.a.
M23	16 58	10 1	1 10	9 9	4 9	2 5	2 30	1 12	1 7	24 10	0 50	4 1	2 45	9 9	0 25	10 12	1 59	33 27	9 40	13 46	13 55	14 39			n.a.
T 24	17 15	5 40	2 18	9 5	4 10	1 45	2 32	0 55	1 6	24 10	0 51	4 1	2 45	9 10	0 25	10 13	1 59	33 27	9 40	13 46	13 56	14 41			n.a.
W25	17 31	0 52	3 20	9 4	4 9	1 25	2 35	0 38	1 6	24 10	0 51	4 2	2 45	9 11	0 25	10 13	1 59	33 28	9 40	13 48	13 57	14 43			n.a.
T 26	17 47	4s 8	4 11	9 5	4 7	1 4	2 37	0 21	1 6	24 11	0 51	4 3	2 45	9 12	0 25	10 13	1 59	33 28	9 41	13 50	13 58	14 44			n.a.
F 27	18 3	9 0	4 45	9 10	4 4	0 43	2 39	0 3	1 5	24 11	0 51	4 3	2 44	9 14	0 25	10 13	1 59	33 28	9 41	13 53	13 59	14 46			n.a.
S 28	18 19	13 22	5 0	9 17	3 59	0 22	2 41	0n14	1 5	24 12	0 52	4 3	2 44	9 15	0 25	10 13	1 59	33 28	9 41	13 57	14 0	14 47			n.a.
S 29	18 34	16 51	4 53	9 27	3 54	0 0	2 42	0 31	1 5	24 12	0 52	4 4	2 44	9 16	0 25	10 13	1 59	33 29	9 41	14 0	14 2	14 49			n.a.
M30	18 49	19 9	4 26	9 40	3 48	0n22	2 44	0 48	1 4	24 13	0 52	4 4	2 44	9 17	0 25	10 13	1 59	33 29	9 42	14 3	14 3	14 50			n.a.
T 31	19n 3	20s 4	3n41	9n55	3s40	0n44	2s45	1n 5	1s 4	24s13	0s53	4n 5	2n43	9n18	0s25	10n13	1n59	33s29	9s42	14n 6	14n 4	14n52			n.a.

Julian Day Number = 1111941.5, Delta T = 10h51m27s
Ecliptic obliquity = 23°53'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'30, Lahiri = -26°58'29 Julian Calendar 1 May 1669 BCE == Greg. Calendar 17 Apr. 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

JUNE 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 40 48	24♉40'57	20♋15	5♉20	9♈ 2	5♈46	11°R46	26°R 4	24♈36	8°R53	4°R48	22°R56	23♌ 5	27♉ 9	n.a.	W 1
T 2	15 44 45	25°38'04	4♒13	5°56	10° 1	6°27	11♋43	26♍ 2	24°39	8♍53	4♋47	22♌54	23° 2	27°16	n.a.	T 2
F 3	15 48 41	26°35'11	17°43	6°37	11° 1	7° 8	11°40	26° 1	24°43	8°53	4°46	22°53	22°58	27°23	n.a.	F 3
S 4	15 52 38	27°32'19	0♓48	7°23	12° 1	7°49	11°36	26° 0	24°46	8°53	4°45	22°53	22°55	27°29	n.a.	S 4
S 5	15 56 34	28°29'28	13°31	8°14	13° 1	8°29	11°33	25°59	24°49	8°D53	4°44	22°53	22°52	27°36	n.a.	S 5
M 6	16 0 31	29°26'38	25°57	9°10	14° 1	9°10	11°29	25°58	24°52	8°53	4°43	22°50	22°49	27°43	n.a.	M 6
T 7	16 4 28	0♊23'48	8♈ 9	10°11	15° 2	9°51	11°25	25°58	24°55	8°53	4°42	22°46	22°46	27°50	n.a.	T 7
W 8	16 8 24	1°21'00	20°12	11°17	16° 3	10°31	11°20	25°57	24°58	8°53	4°41	22°38	22°43	27°56	n.a.	W 8
T 9	16 12 21	2°18'13	2♉ 9	12°28	17° 5	11°12	11°16	25°56	25° 1	8°54	4°40	22°28	22°39	28° 3	n.a.	T 9
F 10	16 16 17	3°15'26	14° 3	13°44	18° 6	11°52	11°11	25°56	25° 4	8°54	4°39	22°16	22°36	28°10	n.a.	F 10
S 11	16 20 14	4°12'41	25°55	15° 4	19° 8	12°33	11° 7	25°56	25° 7	8°54	4°38	22° 3	22°33	28°16	n.a.	S 11
S 12	16 24 10	5° 9'56	7♊47	16°29	20°11	13°13	11° 2	25°55	25°10	8°54	4°37	21°49	22°30	28°23	n.a.	S 12
M13	16 28 7	6° 7'12	19°40	17°59	21°13	13°53	10°57	25°55	25°13	8°54	4°36	21°37	22°27	28°30	n.a.	M13
T 14	16 32 4	7° 4'29	1♋37	19°32	22°16	14°33	10°52	25°D55	25°15	8°55	4°34	21°26	22°23	28°37	n.a.	T 14
W15	16 36 0	8° 1'47	13°38	21°10	23°19	15°13	10°46	25°55	25°18	8°55	4°33	21°18	22°20	28°43	n.a.	W15
T 16	16 39 57	8°59'06	25°47	22°51	24°22	15°53	10°41	25°55	25°21	8°55	4°32	21°13	22°17	28°50	n.a.	T 16
F 17	16 43 53	9°56'26	8♌ 5	24°36	25°26	16°33	10°35	25°55	25°24	8°56	4°31	21°11	22°14	28°57	n.a.	F 17
S 18	16 47 50	10°53'46	20°38	26°24	26°30	17°13	10°29	25°56	25°27	8°56	4°30	21°D10	22°11	29° 4	n.a.	S 18
S 19	16 51 46	11°51'07	3♍28	28°16	27°34	17°52	10°23	25°56	25°29	8°57	4°29	21°10	22° 8	29°10	n.a.	S 19
M20	16 55 43	12°48'29	16°40	0♊10	28°38	18°32	10°17	25°56	25°32	8°57	4°27	21°R10	22° 4	29°17	n.a.	M20
T 21	16 59 39	13°45'52	0♎17	2° 7	29°42	19°11	10°11	25°57	25°34	8°58	4°26	21° 9	22° 1	29°24	n.a.	T 21
W22	17 3 36	14°43'16	14°21	4° 5	0♉47	19°51	10° 5	25°58	25°37	8°58	4°25	21° 6	21°58	29°30	n.a.	W22
T 23	17 7 33	15°40'40	28°52	6° 5	1°52	20°30	9°58	25°59	25°40	8°59	4°24	21° 1	21°55	29°37	n.a.	T 23
F 24	17 11 29	16°38'06	13♏45	8° 7	2°57	21° 9	9°52	25°59	25°42	8°59	4°22	20°53	21°52	29°44	n.a.	F 24
S 25	17 15 26	17°35'32	28°55	10°10	4° 2	21°48	9°45	26° 0	25°45	9° 0	4°21	20°44	21°49	29°51	n.a.	S 25
S 26	17 19 22	18°33'00	14♐11	12°13	5° 8	22°28	9°38	26° 1	25°47	9° 1	4°20	20°35	21°45	29°57	n.a.	S 26
M27	17 23 19	19°30'29	29°22	14°17	6°14	23° 6	9°31	26° 3	25°50	9° 1	4°19	20°27	21°42	0♊ 4	n.a.	M27
T 28	17 27 15	20°28'00	14♋18	16°21	7°19	23°45	9°25	26° 4	25°52	9° 2	4°17	20°21	21°39	0°11	n.a.	T 28
W29	17 31 12	21°25'32	28°51	18°24	8°26	24°24	9°17	26° 5	25°54	9° 3	4°16	20°17	21°36	0°17	n.a.	W29
T 30	17 35 8	22♊23'06	12♒56	20♊28	9♉32	25♈ 3	9♋10	26♍ 7	25♈57	9♍ 4	4♋15	20♌15	21♌33	0♊24	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19n18	19s38	2n43	10n13	3s32	1n 6	2s46	1n22	1s 3	24s14	0s53	4n 5	2n43	9n20	0s25	10n13	1n59	33s29	9s42	14n 8	14n 5	14n54		n.a.
T 2	19 32	18 0	1 37	10 34	3 23	1 29	2 47	1 39	1 3	24 15	0 53	4 5	2 43	9 21	0 25	10 13	1 59	33 30	9 42	14 8	14 6	14 55		n.a.
F 3	19 45	15 22	0 27	10 56	3 13	1 52	2 48	1 55	1 3	24 15	0 53	4 5	2 43	9 22	0 25	10 13	1 59	33 30	9 42	14 9	14 7	14 57		n.a.
S 4	19 59	12 3	0s42	11 21	3 3	2 15	2 49	2 12	1 2	24 16	0 54	4 6	2 42	9 23	0 25	10 13	1 59	33 30	9 43	14 9	14 8	14 58		n.a.
S 5	20 12	8 14	1 47	11 48	2 52	2 38	2 50	2 29	1 2	24 16	0 54	4 6	2 42	9 24	0 25	10 13	1 59	33 31	9 43	14 9	14 9	15 0		n.a.
M 6	20 24	4 10	2 45	12 17	2 40	3 1	2 50	2 46	1 1	24 17	0 54	4 6	2 42	9 25	0 25	10 13	1 58	33 31	9 43	14 9	14 10	15 2		n.a.
T 7	20 37	0n 1	3 35	12 48	2 28	3 25	2 51	3 2	1 1	24 18	0 55	4 6	2 42	9 26	0 25	10 13	1 58	33 31	9 43	14 11	14 11	15 3		n.a.
W 8	20 49	4 7	4 14	13 21	2 16	3 48	2 51	3 19	1 1	24 18	0 55	4 6	2 41	9 28	0 25	10 12	1 58	33 31	9 44	14 13	14 12	15 5		n.a.
T 9	21 1	8 2	4 42	13 55	2 3	4 12	2 51	3 35	1 0	24 19	0 55	4 6	2 41	9 29	0 25	10 12	1 58	33 31	9 44	14 17	14 13	15 6		n.a.
F 10	21 12	11 38	4 57	14 30	1 50	4 36	2 51	3 52	1 0	24 19	0 55	4 6	2 41	9 30	0 25	10 12	1 58	33 32	9 44	14 21	14 14	15 8		n.a.
S 11	21 23	14 45	5 0	15 7	1 37	5 0	2 51	4 8	0 59	24 20	0 56	4 6	2 41	9 31	0 25	10 12	1 58	33 32	9 44	14 25	14 15	15 9		n.a.
S 12	21 34	17 16	4 49	15 44	1 24	5 24	2 51	4 25	0 59	24 21	0 56	4 6	2 40	9 32	0 25	10 12	1 58	33 32	9 44	14 30	14 16	15 11		n.a.
M13	21 44	19 4	4 26	16 22	1 11	5 48	2 50	4 41	0 58	24 22	0 56	4 5	2 40	9 33	0 25	10 12	1 58	33 32	9 44	14 34	14 17	15 13		n.a.
T 14	21 54	20 2	3 51	17 1	0 58	6 13	2 50	4 57	0 58	24 22	0 56	4 5	2 40	9 34	0 25	10 12	1 58	33 33	9 45	14 37	14 18	15 14		n.a.
W15	22 3	20 6	3 5	17 40	0 45	6 37	2 49	5 13	0 57	24 23	0 57	4 5	2 39	9 35	0 25	10 11	1 58	33 33	9 45	14 40	14 19	15 16		n.a.
T 16	22 13	19 15	2 10	18 19	0 32	7 1	2 48	5 30	0 57	24 24	0 57	4 5	2 39	9 36	0 25	10 11	1 58	33 33	9 45	14 42	14 21	15 17		n.a.
F 17	22 21	17 29	1 9	18 58	0 19	7 25	2 47	5 46	0 56	24 24	0 57	4 4	2 39	9 37	0 25	10 11	1 58	33 33	9 45	14 42	14 22	15 19		n.a.
S 18	22 30	14 50	0 3	19 36	0 7	7 50	2 46	6 2	0 56	24 25	0 57	4 4	2 39	9 38	0 25	10 11	1 58	33 34	9 45	14 43	14 23	15 20		n.a.
S 19	22 38	11 26	1n 5	20 14	0n 5	8 14	2 45	6 17	0 55	24 26	0 58	4 4	2 38	9 39	0 25	10 11	1 58	33 34	9 46	14 43	14 24	15 22		n.a.
M20	22 45	7 22	2 11	20 50	0 17	8 38	2 44	6 33	0 55	24 27	0 58	4 3	2 38	9 40	0 25	10 10	1 58	33 34	9 46	14 42	14 25	15 23		n.a.
T 21	22 53	2 49	3 12	21 25	0 28	9 3	2 43	6 49	0 54	24 27	0 58	4 3	2 38	9 41	0 25	10 10	1 58	33 34	9 46	14 43	14 26	15 25		n.a.
W22	23 0	2s 2	4 4	21 59	0 38	9 27	2 41	7 5	0 54	24 28	0 58	4 2	2 38	9 42	0 25	10 10	1 57	33 34	9 46	14 44	14 27	15 26		n.a.
T 23	23 6	6 54	4 41	22 31	0 48	9 51	2 40	7 20	0 53	24 29	0 59	4 2	2 37	9 43	0 25	10 10	1 57	33 35	9 46	14 46	14 28	15 28		n.a.
F 24	23 12	11 29	5 1	23 0	0 57	10 15	2 38	7 36	0 53	24 29	0 59	4 1	2 37	9 44	0 25	10 9	1 57	33 35	9 46	14 48	14 29	15 30		n.a.
S 25	23 18	15 24	5 0	23 28	1 5	10 39	2 37	7 51	0 52	24 30	0 59	4 0	2 37	9 45	0 25	10 9	1 57	33 35	9 46	14 51	14 30	15 31		n.a.
S 26	23 23	18 19	4 38	23 53	1 13	11 3	2 35	8 6	0 51	24 31	0 59	4 0	2 36	9 46	0 25	10 9	1 57	33 35	9 47	14 54	14 31	15 33		n.a.
M27	23 28	19 56	3 57	24 16	1 20	11 26	2 33	8 22	0 51	24 32	1 0	3 59	2 36	9 47	0 25	10 8	1 57	33 35	9 47	14 56	14 32	15 34		n.a.
T 28	23 32	20 8	3 0	24 36	1 26	11 50	2 31	8 37	0 50	24 32	1 0	3 58	2 36	9 48	0 25	10 8	1 57	33 35	9 47	14 59	14 33	15 36		n.a.
W29	23 36	18 57	1 52	24 53	1 31	12 14	2 29	8 52	0 50	24 33	1 0	3 57	2 36	9 48	0 25	10 8	1 57	33 36	9 47	15 0	14 34	15 37		n.a.
T 30	23n40	16s37	0n39	25n 8	1n36	12n37	2s27	9n 7	0s49	24s34	1s 0	3n57	2n35	9n49	0s25	10n 7	1n57	33s36	9s47	15n 0	14n35	15n39		n.a.

Julian Day Number = 1111972.5, Delta T = 10h51m25s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'25, Lahiri = -26°58'25 Julian Calendar 1 June 1669 BCE == Greg. Calendar 18 May 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

JULY 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 39 5	23♊20'41	26♒33	22♊30	10♉38	25♈41	9°R 3	26♍ 8	25♈59	9♍ 4	4°R14	20°D15	21♌29	0♊31	n.a.	F 1
S 2	17 43 2	24°18'18	9♓43	24°32	11°45	26°20	8♏56	26°10	26° 1	9° 5	4♏12	20♌16	21°26	0°38	n.a.	S 2
S 3	17 46 58	25°15'57	22°28	26°33	12°52	26°58	8°48	26°11	26° 3	9° 6	4°11	20°R16	21°23	0°44	n.a.	S 3
M 4	17 50 55	26°13'37	4♈54	28°33	13°59	27°37	8°41	26°13	26° 5	9° 7	4°10	20°16	21°20	0°51	n.a.	M 4
T 5	17 54 51	27°11'19	17° 6	0♋32	15° 6	28°15	8°33	26°15	26° 8	9° 8	4° 8	20°14	21°17	0°58	n.a.	T 5
W 6	17 58 48	28° 9'03	29° 6	2°30	16°13	28°53	8°26	26°17	26°10	9° 9	4° 7	20° 9	21°14	1° 5	n.a.	W 6
T 7	18 2 44	29° 6'49	11♉ 1	4°27	17°21	29°31	8°18	26°19	26°12	9°10	4° 6	20° 3	21°10	1°11	n.a.	T 7
F 8	18 6 41	0♋ 4'37	22°52	6°22	18°29	0♉ 9	8°10	26°21	26°14	9°11	4° 4	19°55	21° 7	1°18	n.a.	F 8
S 9	18 10 37	1° 2'26	4♊44	8°16	19°36	0°47	8° 2	26°24	26°16	9°12	4° 3	19°46	21° 4	1°25	n.a.	S 9
S 10	18 14 34	2° 0'17	16°38	10° 8	20°44	1°25	7°55	26°26	26°18	9°13	4° 2	19°37	21° 1	1°31	n.a.	S 10
M11	18 18 31	2°58'10	28°37	12° 0	21°52	2° 2	7°47	26°29	26°19	9°14	4° 0	19°28	20°58	1°38	n.a.	M11
T 12	18 22 27	3°56'05	10♋42	13°50	23° 1	2°40	7°39	26°31	26°21	9°16	3°59	19°21	20°55	1°45	n.a.	T 12
W13	18 26 24	4°54'02	22°53	15°38	24° 9	3°17	7°31	26°34	26°23	9°17	3°58	19°16	20°51	1°52	n.a.	W13
T 14	18 30 20	5°52'00	5♌13	17°25	25°18	3°54	7°23	26°36	26°25	9°18	3°56	19°13	20°48	1°58	n.a.	T 14
F 15	18 34 17	6°49'59	17°44	19°11	26°26	4°32	7°15	26°39	26°26	9°19	3°55	19°D12	20°45	2° 5	n.a.	F 15
S 16	18 38 13	7°48'00	0♍27	20°56	27°35	5° 9	7° 7	26°42	26°28	9°20	3°54	19°12	20°42	2°12	n.a.	S 16
S 17	18 42 10	8°46'03	13°24	22°39	28°44	5°46	7° 0	26°45	26°30	9°22	3°53	19°14	20°39	2°18	n.a.	S 17
M18	18 46 6	9°44'08	26°40	24°21	29°53	6°22	6°52	26°48	26°31	9°23	3°51	19°15	20°35	2°25	n.a.	M18
T 19	18 50 3	10°42'13	10♎14	26° 2	1♊ 2	6°59	6°44	26°51	26°33	9°24	3°50	19°R16	20°32	2°32	n.a.	T 19
W20	18 54 0	11°40'21	24°10	27°41	2°12	7°36	6°36	26°55	26°34	9°26	3°49	19°15	20°29	2°39	n.a.	W20
T 21	18 57 56	12°38'30	8♏27	29°20	3°21	8°12	6°28	26°58	26°36	9°27	3°47	19°13	20°26	2°45	n.a.	T 21
F 22	19 1 53	13°36'41	23° 3	0♌57	4°31	8°49	6°20	27° 1	26°37	9°29	3°46	19° 9	20°23	2°52	n.a.	F 22
S 23	19 5 49	14°34'53	7♐52	2°32	5°40	9°25	6°13	27° 5	26°38	9°30	3°45	19° 4	20°20	2°59	n.a.	S 23
S 24	19 9 46	15°33'07	22°49	4° 7	6°50	10° 1	6° 5	27° 8	26°39	9°31	3°43	19° 0	20°16	3° 6	n.a.	S 24
M25	19 13 42	16°31'23	7♑45	5°40	8° 0	10°37	5°57	27°12	26°41	9°33	3°42	18°55	20°13	3°12	n.a.	M25
T 26	19 17 39	17°29'41	22°30	7°12	9°10	11°13	5°50	27°16	26°42	9°35	3°41	18°52	20°10	3°19	n.a.	T 26
W27	19 21 35	18°28'01	6♒58	8°43	10°20	11°49	5°42	27°19	26°43	9°36	3°40	18°50	20° 7	3°26	n.a.	W27
T 28	19 25 32	19°26'23	21° 3	10°13	11°31	12°25	5°35	27°23	26°44	9°38	3°38	18°D49	20° 4	3°32	n.a.	T 28
F 29	19 29 29	20°24'47	4♓43	11°41	12°41	13° 0	5°27	27°27	26°45	9°39	3°37	18°50	20° 1	3°39	n.a.	F 29
S 30	19 33 25	21°23'14	17°57	13° 8	13°52	13°36	5°20	27°31	26°46	9°41	3°36	18°51	19°57	3°46	n.a.	S 30
S 31	19 37 22	22♋21'42	0♈47	14♌34	15♊ 2	14♉11	5♏13	27♍35	26♈47	9♍42	3♏35	18♌53	19♌54	3♊53	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	23n43	13s25	0s34	25n20	1n40	13n 0	2s25	9n21	0s49	24s35	1s 0	3n56	2n35	9n50	0s25	10n 7	1n57	33s36	9s47	15n 0	14n36	15n40		n.a.	F 1
S 2	23 46	9 39	1 42	25 29	1 43	13 23	2 23	9 36	0 48	24 35	1 1	3 55	2 35	9 51	0 25	10 7	1 57	33 36	9 47	15 0	14 37	15 42		n.a.	S 2
S 3	23 48	5 32	2 44	25 36	1 45	13 46	2 20	9 51	0 47	24 36	1 1	3 54	2 35	9 52	0 25	10 6	1 57	33 36	9 47	15 0	14 38	15 43		n.a.	S 3
M 4	23 50	1 19	3 36	25 40	1 47	14 8	2 18	10 5	0 47	24 37	1 1	3 53	2 34	9 52	0 25	10 6	1 57	33 36	9 47	15 0	14 39	15 45		n.a.	M 4
T 5	23 51	2n53	4 17	25 41	1 48	14 31	2 16	10 20	0 46	24 37	1 1	3 52	2 34	9 53	0 25	10 5	1 57	33 36	9 48	15 1	14 40	15 46		n.a.	T 5
W 6	23 52	6 54	4 46	25 40	1 49	14 53	2 13	10 34	0 45	24 38	1 1	3 51	2 34	9 54	0 25	10 5	1 57	33 37	9 48	15 2	14 41	15 48		n.a.	W 6
T 7	23 53	10 37	5 3	25 37	1 49	15 15	2 10	10 49	0 45	24 39	1 2	3 50	2 34	9 55	0 25	10 4	1 57	33 37	9 48	15 4	14 42	15 49		n.a.	T 7
F 8	23 53	13 54	5 6	25 32	1 48	15 36	2 8	11 3	0 44	24 39	1 2	3 49	2 33	9 55	0 25	10 4	1 57	33 37	9 48	15 7	14 43	15 51		n.a.	F 8
S 9	23 53	16 38	4 56	25 24	1 47	15 57	2 5	11 17	0 44	24 40	1 2	3 47	2 33	9 56	0 25	10 4	1 56	33 37	9 48	15 10	14 45	15 52		n.a.	S 9
S 10	23 52	18 40	4 34	25 14	1 45	16 18	2 2	11 31	0 43	24 41	1 2	3 46	2 33	9 57	0 25	10 3	1 56	33 37	9 48	15 13	14 46	15 54		n.a.	S 10
M11	23 51	19 54	3 59	25 2	1 43	16 39	2 0	11 45	0 42	24 41	1 2	3 45	2 32	9 58	0 25	10 3	1 56	33 37	9 48	15 15	14 47	15 55		n.a.	M11
T 12	23 50	20 15	3 13	24 49	1 40	16 59	1 57	11 58	0 42	24 42	1 2	3 44	2 32	9 58	0 25	10 2	1 56	33 37	9 48	15 18	14 48	15 57		n.a.	T 12
W13	23 48	19 39	2 17	24 33	1 37	17 20	1 54	12 12	0 41	24 43	1 3	3 42	2 32	9 59	0 25	10 2	1 56	33 37	9 48	15 19	14 49	15 58		n.a.	W13
T 14	23 45	18 6	1 15	24 16	1 33	17 39	1 51	12 26	0 40	24 43	1 3	3 41	2 32	9 59	0 25	10 1	1 56	33 37	9 48	15 20	14 50	16 0		n.a.	T 14
F 15	23 42	15 41	0 8	23 57	1 29	17 58	1 48	12 39	0 40	24 44	1 3	3 40	2 31	10 0	0 25	10 1	1 56	33 38	9 48	15 21	14 51	16 1		n.a.	F 15
S 16	23 39	12 28	1n 1	23 37	1 25	18 17	1 45	12 52	0 39	24 44	1 3	3 38	2 31	10 1	0 25	10 0	1 56	33 38	9 48	15 20	14 52	16 3		n.a.	S 16
S 17	23 35	8 36	2 8	23 16	1 20	18 36	1 42	13 5	0 38	24 45	1 3	3 37	2 31	10 1	0 25	10 0	1 56	33 38	9 48	15 20	14 53	16 4		n.a.	S 17
M18	23 31	4 14	3 9	22 53	1 15	18 54	1 39	13 18	0 37	24 46	1 3	3 35	2 31	10 2	0 25	9 59	1 56	33 38	9 48	15 20	14 54	16 6		n.a.	M18
T 19	23 27	0s26	4 2	22 29	1 10	19 12	1 35	13 31	0 37	24 46	1 3	3 34	2 30	10 2	0 25	9 58	1 56	33 38	9 48	15 19	14 55	16 7		n.a.	T 19
W20	23 22	5 11	4 42	22 4	1 4	19 29	1 32	13 44	0 36	24 47	1 4	3 32	2 30	10 3	0 25	9 58	1 56	33 38	9 48	15 20	14 56	16 9		n.a.	W20
T 21	23 16	9 46	5 6	21 37	0 58	19 46	1 29	13 57	0 35	24 47	1 4	3 31	2 30	10 3	0 25	9 57	1 56	33 38	9 48	15 20	14 57	16 10		n.a.	T 21
F 22	23 11	13 52	5 11	21 10	0 52	20 2	1 26	14 10	0 34	24 48	1 4	3 29	2 30	10 4	0 25	9 57	1 56	33 38	9 48	15 21	14 58	16 12		n.a.	F 22
S 23	23 4	17 11	4 55	20 42	0 46	20 18	1 22	14 22	0 34	24 48	1 4	3 28	2 29	10 4	0 25	9 56	1 56	33 38	9 48	15 23	14 59	16 13		n.a.	S 23
S 24	22 58	19 23	4 19	20 13	0 39	20 33	1 19	14 34	0 33	24 49	1 4	3 26	2 29	10 5	0 25	9 55	1 56	33 38	9 48	15 25	15 0	16 15		n.a.	S 24
M25	22 51	20 14	3 26	19 44	0 32	20 48	1 16	14 47	0 32	24 49	1 4	3 24	2 29	10 5	0 25	9 55	1 56	33 38	9 48	15 26	15 1	16 16		n.a.	M25
T 26	22 43	19 41	2 19	19 13	0 25	21 3	1 13	14 59	0 31	24 49	1 4	3 23	2 29	10 6	0 25	9 54	1 56	33 38	9 48	15 27	15 2	16 18		n.a.	T 26
W27	22 35	17 50	1 4	18 42	0 18	21 17	1 9	15 11	0 31	24 50	1 4	3 21	2 28	10 6	0 25	9 54	1 56	33 38	9 48	15 28	15 3	16 19		n.a.	W27
T 28	22 27	14 56	0s12	18 11	0 10	21 30	1 6	15 23	0 30	24 50	1 4	3 19	2 28	10 6	0 25	9 53	1 56	33 38	9 48	15 28	15 4	16 21		n.a.	T 28
F 29	22 18	11 17	1 26	17 39	0 3	21 43	1 2	15 34	0 29	24 51	1 4	3 17	2 28	10 7	0 25	9 52	1 56	33 38	9 48	15 28	15 5	16 22		n.a.	F 29
S 30	22 9	7 11	2 33	17 6	0s 5	21 55	0 59	15 46	0 28	24 51	1 5	3 15	2 28	10 7	0 25	9 52	1 55	33 38	9 48	15 27	15 6	16 23		n.a.	S 30
S 31	22n 0	2s53	3s30	16n34	0s13	22n 6	0s56	15n57	0s27	24s51	1s 5	3n13	2n28	10n 7	0s25	9n51	1n55	33s38	9s48	15n27	15n 7	16n25		n.a.	S 31

Julian Day Number = 1112002.5, Delta T = 10h51m23s
Ecliptic obliquity = 23°53'13, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'21, Lahiri = -26°58'21 Julian Calendar 1 July 1669 BCE == Greg. Calendar 17 June 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

AUGUST 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 41 18	23♋20'13	13♈17	15♌59	16♊13	14♉46	5°R 6	27♍40	26♈48	9♍44	3°R33	18♌54	19♌51	3♊59	n.a.	M 1
T 2	19 45 15	24°18'46	25°31	17°22	17°24	15°21	4♉59	27°44	26°49	9°46	3♉32	18°R55	19°48	4° 6	n.a.	T 2
W 3	19 49 11	25°17'22	7♉32	18°45	18°35	15°56	4°52	27°48	26°49	9°48	3°31	18°54	19°45	4°13	n.a.	W 3
T 4	19 53 8	26°16'00	19°27	20° 5	19°46	16°31	4°45	27°53	26°50	9°49	3°30	18°52	19°41	4°19	n.a.	T 4
F 5	19 57 4	27°14'41	1♊19	21°25	20°57	17° 6	4°38	27°57	26°51	9°51	3°28	18°50	19°38	4°26	n.a.	F 5
S 6	20 1 1	28°13'23	13°12	22°42	22° 9	17°40	4°31	28° 2	26°51	9°53	3°27	18°47	19°35	4°33	n.a.	S 6
S 7	20 4 57	29°12'08	25°10	23°59	23°20	18°15	4°25	28° 6	26°52	9°55	3°26	18°43	19°32	4°40	n.a.	S 7
M 8	20 8 54	0♌10'56	7♋15	25°14	24°32	18°49	4°19	28°11	26°52	9°56	3°25	18°40	19°29	4°46	n.a.	M 8
T 9	20 12 51	1° 9'46	19°29	26°27	25°43	19°23	4°12	28°16	26°53	9°58	3°24	18°38	19°26	4°53	n.a.	T 9
W10	20 16 47	2° 8'37	1♌54	27°38	26°55	19°57	4° 6	28°20	26°53	10° 0	3°23	18°36	19°22	5° 0	n.a.	W10
T 11	20 20 44	3° 7'31	14°31	28°48	28° 7	20°31	4° 0	28°25	26°54	10° 2	3°22	18°D36	19°19	5° 7	n.a.	T 11
F 12	20 24 40	4° 6'28	27°21	29°55	29°19	21° 4	3°54	28°30	26°54	10° 4	3°20	18°36	19°16	5°13	n.a.	F 12
S 13	20 28 37	5° 5'26	10♍23	1♍ 1	0♋31	21°38	3°49	28°35	26°54	10° 6	3°19	18°37	19°13	5°20	n.a.	S 13
S 14	20 32 33	6° 4'26	23°39	2° 4	1°43	22°11	3°43	28°40	26°54	10° 8	3°18	18°38	19°10	5°27	n.a.	S 14
M15	20 36 30	7° 3'28	7♎ 8	3° 5	2°55	22°44	3°38	28°46	26°55	10°10	3°17	18°39	19° 7	5°33	n.a.	M15
T 16	20 40 26	8° 2'32	20°51	4° 3	4° 7	23°17	3°32	28°51	26°55	10°12	3°16	18°39	19° 3	5°40	n.a.	T 16
W17	20 44 23	9° 1'38	4♏47	4°59	5°20	23°50	3°27	28°56	26°R55	10°14	3°15	18°R40	19° 0	5°47	n.a.	W17
T 18	20 48 19	10° 0'46	18°55	5°51	6°32	24°23	3°22	29° 1	26°55	10°16	3°14	18°40	18°57	5°54	n.a.	T 18
F 19	20 52 16	10°59'55	3♐14	6°40	7°44	24°55	3°18	29° 7	26°55	10°18	3°13	18°39	18°54	6° 0	n.a.	F 19
S 20	20 56 13	11°59'07	17°41	7°26	8°57	25°28	3°13	29°12	26°54	10°20	3°12	18°39	18°51	6° 7	n.a.	S 20
S 21	21 0 9	12°58'21	2♑11	8° 8	10°10	26° 0	3° 9	29°18	26°54	10°22	3°11	18°38	18°47	6°14	n.a.	S 21
M22	21 4 6	13°57'37	16°39	8°46	11°22	26°32	3° 4	29°23	26°54	10°24	3°10	18°37	18°44	6°20	n.a.	M22
T 23	21 8 2	14°56'54	1♒ 1	9°19	12°35	27° 4	3° 0	29°29	26°54	10°26	3° 9	18°37	18°41	6°27	n.a.	T 23
W24	21 11 59	15°56'14	15°10	9°47	13°48	27°35	2°56	29°34	26°53	10°28	3° 8	18°D37	18°38	6°34	n.a.	W24
T 25	21 15 55	16°55'36	29° 3	10°10	15° 1	28° 7	2°53	29°40	26°53	10°30	3° 7	18°37	18°35	6°41	n.a.	T 25
F 26	21 19 52	17°55'00	12♓37	10°27	16°14	28°38	2°49	29°46	26°53	10°32	3° 7	18°37	18°32	6°47	n.a.	F 26
S 27	21 23 48	18°54'27	25°49	10°37	17°27	29° 9	2°46	29°52	26°52	10°34	3° 6	18°R37	18°28	6°54	n.a.	S 27
S 28	21 27 45	19°53'56	8♈40	10°R41	18°41	29°40	2°43	29°58	26°52	10°36	3° 5	18°37	18°25	7° 1	n.a.	S 28
M29	21 31 41	20°53'27	21°12	10°37	19°54	0♊11	2°40	0♎ 4	26°51	10°38	3° 4	18°37	18°22	7° 7	n.a.	M29
T 30	21 35 38	21°53'01	3♉28	10°26	21° 7	0°41	2°37	0°10	26°50	10°40	3° 3	18°36	18°19	7°14	n.a.	T 30
W31	21 39 35	22♌52'37	15♉32	10♍ 7	22♋21	1♊11	2♑34	0♎16	26♈50	10♍43	3♑ 3	18♌36	18♌16	7♊21	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	21n50	1n25	4s16	16n 1	0s21	22n18	0s52	16n 9	0s27	24s52	1s 5	3n12	2n27	10n 8	0s25	9n50	1n55	33s38	9s48	15n26	15n 8	16n26			n.a.
T 2	21 39	5 34	4 49	15 28	0 29	22 28	0 49	16 20	0 26	24 52	1 5	3 10	2 27	10 8	0 25	9 50	1 55	33 38	9 48	15 26	15 9	16 28			n.a.
W 3	21 29	9 26	5 8	14 54	0 37	22 38	0 45	16 31	0 25	24 52	1 5	3 8	2 27	10 8	0 25	9 49	1 55	33 38	9 48	15 26	15 10	16 29			n.a.
T 4	21 17	12 53	5 14	14 21	0 45	22 47	0 42	16 42	0 24	24 53	1 5	3 6	2 27	10 9	0 25	9 48	1 55	33 38	9 48	15 27	15 11	16 31			n.a.
F 5	21 6	15 48	5 7	13 47	0 54	22 56	0 39	16 53	0 23	24 53	1 5	3 4	2 26	10 9	0 25	9 47	1 55	33 38	9 48	15 28	15 12	16 32			n.a.
S 6	20 54	18 4	4 47	13 14	1 2	23 4	0 35	17 4	0 22	24 53	1 5	3 2	2 26	10 9	0 25	9 47	1 55	33 38	9 48	15 29	15 13	16 34			n.a.
S 7	20 42	19 35	4 13	12 40	1 10	23 11	0 32	17 14	0 22	24 54	1 5	3 0	2 26	10 9	0 25	9 46	1 55	33 38	9 48	15 30	15 14	16 35			n.a.
M 8	20 29	20 13	3 29	12 7	1 19	23 18	0 29	17 25	0 21	24 54	1 5	2 58	2 26	10 9	0 25	9 45	1 55	33 38	9 48	15 31	15 15	16 36			n.a.
T 9	20 16	19 54	2 34	11 34	1 27	23 24	0 25	17 35	0 20	24 54	1 5	2 55	2 26	10 9	0 25	9 45	1 55	33 38	9 48	15 31	15 16	16 38			n.a.
W10	20 3	18 38	1 31	11 2	1 36	23 29	0 22	17 45	0 19	24 54	1 5	2 53	2 25	10 10	0 25	9 44	1 55	33 38	9 48	15 32	15 17	16 39			n.a.
T 11	19 49	16 25	0 23	10 29	1 44	23 34	0 18	17 55	0 18	24 54	1 5	2 51	2 25	10 10	0 25	9 43	1 55	33 38	9 48	15 32	15 18	16 41			n.a.
F 12	19 35	13 22	0n48	9 58	1 52	23 38	0 15	18 5	0 17	24 55	1 5	2 49	2 25	10 10	0 25	9 42	1 55	33 38	9 48	15 32	15 19	16 42			n.a.
S 13	19 21	9 37	1 58	9 26	2 1	23 41	0 12	18 15	0 16	24 55	1 5	2 47	2 25	10 10	0 25	9 42	1 55	33 38	9 48	15 32	15 20	16 44			n.a.
S 14	19 6	5 21	3 2	8 56	2 9	23 44	0 9	18 25	0 15	24 55	1 5	2 44	2 25	10 10	0 25	9 41	1 55	33 38	9 48	15 31	15 21	16 45			n.a.
M15	18 51	0 45	3 58	8 26	2 17	23 46	0 5	18 34	0 14	24 55	1 5	2 42	2 24	10 10	0 25	9 40	1 55	33 38	9 47	15 31	15 22	16 46			n.a.
T 16	18 36	3s58	4 40	7 58	2 25	23 47	0 2	18 44	0 13	24 55	1 5	2 40	2 24	10 10	0 25	9 39	1 55	33 38	9 47	15 31	15 23	16 48			n.a.
W17	18 20	8 32	5 8	7 30	2 33	23 48	0n 1	18 53	0 12	24 55	1 5	2 38	2 24	10 10	0 25	9 38	1 55	33 38	9 47	15 31	15 24	16 49			n.a.
T 18	18 4	12 42	5 17	7 4	2 40	23 48	0 4	19 2	0 11	24 56	1 5	2 35	2 24	10 10	0 25	9 38	1 55	33 38	9 47	15 31	15 25	16 51			n.a.
F 19	17 48	16 11	5 7	6 39	2 47	23 47	0 7	19 11	0 10	24 56	1 5	2 33	2 24	10 10	0 25	9 37	1 55	33 38	9 47	15 31	15 26	16 52			n.a.
S 20	17 31	18 42	4 37	6 15	2 54	23 45	0 10	19 20	0 9	24 56	1 5	2 31	2 24	10 10	0 25	9 36	1 55	33 38	9 47	15 31	15 27	16 54			n.a.
S 21	17 14	20 2	3 50	5 53	3 1	23 43	0 14	19 29	0 8	24 56	1 5	2 28	2 23	10 10	0 25	9 35	1 55	33 38	9 47	15 31	15 28	16 55			n.a.
M22	16 57	20 3	2 48	5 33	3 7	23 40	0 17	19 38	0 7	24 56	1 5	2 26	2 23	10 10	0 25	9 34	1 55	33 37	9 47	15 32	15 29	16 56			n.a.
T 23	16 39	18 45	1 36	5 15	3 13	23 36	0 20	19 46	0 6	24 56	1 5	2 23	2 23	10 10	0 25	9 34	1 55	33 37	9 47	15 32	15 30	16 58			n.a.
W24	16 21	16 17	0 19	5 0	3 18	23 32	0 22	19 54	0 5	24 56	1 5	2 21	2 23	10 10	0 25	9 33	1 55	33 37	9 47	15 32	15 31	16 59			n.a.
T 25	16 3	12 55	0s58	4 47	3 22	23 27	0 25	20 3	0 4	24 56	1 5	2 18	2 23	10 9	0 25	9 32	1 55	33 37	9 46	15 32	15 32	17 1			n.a.
F 26	15 45	8 56	2 9	4 37	3 26	23 21	0 28	20 11	0 3	24 56	1 5	2 16	2 23	10 9	0 25	9 31	1 55	33 37	9 46	15 32	15 33	17 2			n.a.
S 27	15 26	4 37	3 12	4 31	3 29	23 14	0 31	20 19	0 2	24 56	1 5	2 14	2 22	10 9	0 25	9 30	1 55	33 37	9 46	15 32	15 34	17 3			n.a.
S 28	15 7	0 13	4 3	4 27	3 31	23 7	0 34	20 27	0 1	24 56	1 5	2 11	2 22	10 9	0 26	9 29	1 55	33 37	9 46	15 32	15 35	17 5			n.a.
M29	14 48	4n 5	4 42	4 28	3 31	22 59	0 37	20 34	0n 0	24 56	1 5	2 8	2 22	10 9	0 26	9 29	1 55	33 37	9 46	15 32	15 36	17 6			n.a.
T 30	14 28	8 7	5 6	4 33	3 31	22 50	0 39	20 42	0 1	24 56	1 5	2 6	2 22	10 8	0 26	9 28	1 55	33 37	9 46	15 32	15 37	17 7			n.a.
W31	14n 9	11n45	5s17	4n42	3s29	22n41	0n42	20n49	0n 3	24s56	1s 5	2n 3	2n22	10n 8	0s26	9n27	1n55	33s36	9s46	15n32	15n38	17n 9			n.a.

Julian Day Number = 1112033.5, Delta T = 10h51m21s
Ecliptic obliquity = 23°53'14, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'17, Lahiri = -26°58'17 Julian Calendar 1 Aug. 1669 BCE == Greg. Calendar 18 July 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

SEPTEMBER 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 43 31	23♌52'16	27♉28	9°R39	23♋34	1♊41	2°R32	0♎22	26°R49	10♍45	3°R 2	18°D36	18♌12	7♊28	n.a.	T 1
F 2	21 47 28	24°51'57	9♊20	9♍ 3	24°48	2°11	2♏30	0°28	26♈48	10°47	3♏ 1	18♌36	18° 9	7°34	n.a.	F 2
S 3	21 51 24	25°51'40	21°14	8°19	26° 2	2°41	2°28	0°34	26°47	10°49	3° 0	18°37	18° 6	7°41	n.a.	S 3
S 4	21 55 21	26°51'26	3♋13	7°26	27°15	3°10	2°26	0°40	26°46	10°51	3° 0	18°38	18° 3	7°48	n.a.	S 4
M 5	21 59 17	27°51'15	15°22	6°27	28°29	3°40	2°25	0°46	26°45	10°54	2°59	18°39	18° 0	7°54	n.a.	M 5
T 6	22 3 14	28°51'05	27°45	5°21	29°43	4° 8	2°23	0°53	26°44	10°56	2°58	18°40	17°57	8° 1	n.a.	T 6
W 7	22 7 10	29°50'58	10♌23	4°10	0♌57	4°37	2°22	0°59	26°43	10°58	2°58	18°40	17°53	8° 8	n.a.	W 7
T 8	22 11 7	0♍50'53	23°17	2°56	2°11	5° 6	2°21	1° 5	26°42	11° 0	2°57	18°R40	17°50	8°15	n.a.	T 8
F 9	22 15 4	1°50'50	6♍29	1°41	3°25	5°34	2°20	1°12	26°41	11° 2	2°57	18°40	17°47	8°21	n.a.	F 9
S 10	22 19 0	2°50'50	19°57	0°27	4°39	6° 2	2°20	1°18	26°40	11° 5	2°56	18°38	17°44	8°28	n.a.	S 10
S 11	22 22 57	3°50'51	3♎39	29♌16	5°53	6°30	2°19	1°25	26°39	11° 7	2°56	18°37	17°41	8°35	n.a.	S 11
M12	22 26 53	4°50'54	17°34	28°11	7° 8	6°57	2°D19	1°31	26°38	11° 9	2°55	18°34	17°38	8°41	n.a.	M12
T 13	22 30 50	5°50'59	1♏36	27°13	8°22	7°24	2°19	1°38	26°36	11°11	2°55	18°32	17°34	8°48	n.a.	T 13
W14	22 34 46	6°51'06	15°45	26°24	9°36	7°51	2°19	1°44	26°35	11°14	2°54	18°30	17°31	8°55	n.a.	W14
T 15	22 38 43	7°51'14	29°56	25°46	10°51	8°18	2°20	1°51	26°33	11°16	2°54	18°29	17°28	9° 2	n.a.	T 15
F 16	22 42 39	8°51'25	14♐ 8	25°18	12° 5	8°44	2°20	1°57	26°32	11°18	2°53	18°D29	17°25	9° 8	n.a.	F 16
S 17	22 46 36	9°51'37	28°17	25° 2	13°20	9°10	2°21	2° 4	26°31	11°20	2°53	18°30	17°22	9°15	n.a.	S 17
S 18	22 50 32	10°51'50	12♑23	24°D58	14°34	9°36	2°22	2°11	26°29	11°23	2°53	18°31	17°18	9°22	n.a.	S 18
M19	22 54 29	11°52'06	26°24	25° 5	15°49	10° 1	2°23	2°17	26°27	11°25	2°52	18°33	17°15	9°28	n.a.	M19
T 20	22 58 26	12°52'23	10♒16	25°22	17° 3	10°27	2°25	2°24	26°26	11°27	2°52	18°34	17°12	9°35	n.a.	T 20
W21	23 2 22	13°52'41	23°59	25°50	18°18	10°51	2°27	2°31	26°24	11°29	2°52	18°R34	17° 9	9°42	n.a.	W21
T 22	23 6 19	14°53'02	7♓30	26°26	19°33	11°16	2°28	2°38	26°22	11°32	2°52	18°33	17° 6	9°49	n.a.	T 22
F 23	23 10 15	15°53'24	20°46	27°11	20°47	11°40	2°30	2°44	26°21	11°34	2°51	18°30	17° 3	9°55	n.a.	F 23
S 24	23 14 12	16°53'48	3♈48	28° 4	22° 2	12° 4	2°33	2°51	26°19	11°36	2°51	18°26	16°59	10° 2	n.a.	S 24
S 25	23 18 8	17°54'14	16°33	29° 3	23°17	12°28	2°35	2°58	26°17	11°38	2°51	18°21	16°56	10° 9	n.a.	S 25
M26	23 22 5	18°54'42	29° 2	0♍ 8	24°32	12°51	2°38	3° 5	26°15	11°40	2°51	18°16	16°53	10°15	n.a.	M26
T 27	23 26 1	19°55'12	11♉18	1°17	25°47	13°14	2°41	3°12	26°13	11°43	2°51	18°11	16°50	10°22	n.a.	T 27
W28	23 29 58	20°55'44	23°22	2°31	27° 2	13°36	2°44	3°19	26°11	11°45	2°51	18° 6	16°47	10°29	n.a.	W28
T 29	23 33 54	21°56'18	5♊17	3°49	28°17	13°59	2°47	3°26	26° 9	11°47	2°51	18° 3	16°43	10°36	n.a.	T 29
F 30	23 37 51	22♍56'54	17♊ 9	5♍10	29♌32	14♊20	2♏50	3♎33	26♈ 7	11♍49	2♏51	18♌ 2	16♌40	10♊42	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n49	14n53	5s13	4n56	3s25	22n31	0n44	20n57	0n 4	24s56	1s 5	2n 1	2n22	10n 8	0s26	9n26	1n55	33s36	9s45	15n32	15n39	17n10		n.a.
F 2	13 29	17 23	4 57	5 14	3 20	22 20	0 47	21 4	0 5	24 56	1 4	1 58	2 22	10 7	0 26	9 25	1 55	33 36	9 45	15 32	15 40	17 12		n.a.
S 3	13 8	19 9	4 27	5 38	3 13	22 9	0 49	21 11	0 6	24 56	1 4	1 56	2 21	10 7	0 26	9 24	1 55	33 36	9 45	15 32	15 41	17 13		n.a.
S 4	12 47	20 5	3 46	6 6	3 4	21 57	0 52	21 18	0 7	24 56	1 4	1 53	2 21	10 7	0 26	9 23	1 54	33 36	9 45	15 31	15 42	17 14		n.a.
M 5	12 27	20 6	2 54	6 38	2 53	21 44	0 54	21 25	0 8	24 56	1 4	1 50	2 21	10 6	0 26	9 23	1 54	33 36	9 45	15 31	15 43	17 16		n.a.
T 6	12 5	19 9	1 53	7 15	2 40	21 31	0 56	21 32	0 10	24 56	1 4	1 48	2 21	10 6	0 26	9 22	1 54	33 36	9 45	15 31	15 44	17 17		n.a.
W 7	11 44	17 14	0 46	7 55	2 25	21 16	0 59	21 38	0 11	24 56	1 4	1 45	2 21	10 6	0 26	9 21	1 54	33 36	9 45	15 31	15 45	17 18		n.a.
T 8	11 23	14 25	0n26	8 37	2 9	21 2	1 1	21 45	0 12	24 56	1 4	1 42	2 21	10 5	0 26	9 20	1 54	33 35	9 44	15 31	15 46	17 20		n.a.
F 9	11 1	10 48	1 37	9 21	1 50	20 46	1 3	21 51	0 13	24 56	1 4	1 40	2 21	10 5	0 26	9 19	1 54	33 35	9 44	15 31	15 47	17 21		n.a.
S 10	10 39	6 34	2 44	10 6	1 31	20 30	1 5	21 57	0 15	24 56	1 4	1 37	2 20	10 4	0 26	9 18	1 54	33 35	9 44	15 31	15 48	17 22		n.a.
S 11	10 17	1 56	3 44	10 50	1 11	20 14	1 7	22 3	0 16	24 56	1 4	1 34	2 20	10 4	0 26	9 17	1 54	33 35	9 44	15 32	15 49	17 24		n.a.
M12	9 55	2s52	4 31	11 32	0 51	19 57	1 9	22 10	0 17	24 56	1 4	1 31	2 20	10 3	0 26	9 17	1 54	33 35	9 44	15 33	15 50	17 25		n.a.
T 13	9 32	7 32	5 2	12 12	0 30	19 39	1 11	22 15	0 18	24 56	1 4	1 29	2 20	10 3	0 26	9 16	1 54	33 35	9 44	15 33	15 51	17 27		n.a.
W14	9 10	11 50	5 15	12 47	0 10	19 21	1 12	22 21	0 20	24 56	1 4	1 26	2 20	10 2	0 26	9 15	1 54	33 34	9 43	15 34	15 52	17 28		n.a.
T 15	8 47	15 29	5 9	13 19	0n 9	19 2	1 14	22 27	0 21	24 55	1 4	1 23	2 20	10 2	0 26	9 14	1 54	33 34	9 43	15 34	15 53	17 29		n.a.
F 16	8 24	18 13	4 44	13 45	0 27	18 42	1 16	22 32	0 23	24 55	1 3	1 20	2 20	10 1	0 26	9 13	1 54	33 34	9 43	15 34	15 54	17 31		n.a.
S 17	8 1	19 50	4 3	14 6	0 44	18 22	1 17	22 38	0 24	24 55	1 3	1 18	2 20	10 1	0 26	9 12	1 54	33 34	9 43	15 34	15 55	17 32		n.a.
S 18	7 38	20 12	3 6	14 22	0 59	18 1	1 19	22 43	0 25	24 55	1 3	1 15	2 20	10 0	0 26	9 11	1 54	33 34	9 43	15 33	15 56	17 33		n.a.
M19	7 14	19 19	1 59	14 32	1 13	17 40	1 20	22 49	0 27	24 55	1 3	1 12	2 20	10 0	0 26	9 10	1 54	33 34	9 42	15 33	15 57	17 35		n.a.
T 20	6 51	17 16	0 46	14 38	1 25	17 19	1 22	22 54	0 28	24 55	1 3	1 9	2 19	9 59	0 26	9 10	1 54	33 33	9 42	15 33	15 58	17 36		n.a.
W21	6 27	14 14	0s30	14 38	1 35	16 56	1 23	22 59	0 30	24 55	1 3	1 6	2 19	9 58	0 26	9 9	1 54	33 33	9 42	15 33	15 59	17 37		n.a.
T 22	6 4	10 29	1 42	14 34	1 44	16 34	1 24	23 4	0 31	24 55	1 3	1 4	2 19	9 58	0 26	9 8	1 54	33 33	9 42	15 33	16 0	17 39		n.a.
F 23	5 40	6 17	2 48	14 25	1 52	16 11	1 25	23 9	0 33	24 55	1 3	1 1	2 19	9 57	0 26	9 7	1 54	33 33	9 42	15 34	16 1	17 40		n.a.
S 24	5 16	1 52	3 43	14 12	1 58	15 47	1 26	23 13	0 34	24 54	1 3	0 58	2 19	9 57	0 26	9 6	1 55	33 33	9 41	15 35	16 2	17 41		n.a.
S 25	4 52	2n33	4 26	13 56	2 3	15 23	1 27	23 18	0 36	24 54	1 3	0 55	2 19	9 56	0 26	9 5	1 55	33 33	9 41	15 37	16 3	17 42		n.a.
M26	4 28	6 45	4 55	13 36	2 6	14 59	1 28	23 23	0 37	24 54	1 3	0 52	2 19	9 55	0 26	9 4	1 55	33 32	9 41	15 38	16 4	17 44		n.a.
T 27	4 4	10 36	5 10	13 13	2 9	14 34	1 29	23 27	0 39	24 54	1 2	0 49	2 19	9 54	0 26	9 4	1 55	33 32	9 41	15 40	16 5	17 45		n.a.
W28	3 40	13 57	5 11	12 47	2 10	14 8	1 30	23 32	0 40	24 54	1 2	0 47	2 19	9 54	0 26	9 3	1 55	33 32	9 41	15 41	16 6	17 46		n.a.
T 29	3 15	16 42	4 58	12 19	2 11	13 42	1 31	23 36	0 42	24 54	1 2	0 44	2 19	9 53	0 26	9 2	1 55	33 32	9 41	15 42	16 7	17 48		n.a.
F 30	2n51	18n44	4s33	11n48	2n10	13n16	1n31	23n40	0n43	24s54	1s 2	0n41	2n19	9n52	0s26	9n 1	1n55	33s32	9s40	15n43	16n 8	17n49		n.a.

Julian Day Number = 1112064.5, Delta T = 10h51m19s
Ecliptic obliquity = 23°53'14, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'13, Lahiri = -26°58'12 Julian Calendar 1 Sept. 1669 BCE == Greg. Calendar 18 Aug. 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

OCTOBER 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 41 48	23♍57'32	29♊ 1	6♍34	0♍47	14♊42	2♑54	3♎40	26°R 5	11♍52	2°D51	18°D 2	16♌37	10♊49	n.a.	S 1
S 2	23 45 44	24°58'12	10♋59	8° 0	2° 2	15° 3	2°58	3°47	26♈ 3	11°54	2♑51	18♌ 3	16°34	10°56	n.a.	S 2
M 3	23 49 41	25°58'54	23° 8	9°27	3°17	15°23	3° 2	3°54	26° 1	11°56	2°51	18° 5	16°31	11° 2	n.a.	M 3
T 4	23 53 37	26°59'37	5♌32	10°57	4°32	15°44	3° 6	4° 1	25°59	11°58	2°51	18° 6	16°28	11° 9	n.a.	T 4
W 5	23 57 34	28° 0'23	18°16	12°27	5°47	16° 3	3°10	4° 8	25°57	12° 0	2°51	18°R 7	16°24	11°16	n.a.	W 5
T 6	0 1 30	29° 1'10	1♍22	13°58	7° 3	16°23	3°15	4°15	25°55	12° 3	2°51	18° 6	16°21	11°23	n.a.	T 6
F 7	0 5 27	0♎ 1'59	14°52	15°31	8°18	16°42	3°19	4°22	25°53	12° 5	2°51	18° 3	16°18	11°29	n.a.	F 7
S 8	0 9 23	1° 2'49	28°43	17° 4	9°33	17° 0	3°24	4°29	25°50	12° 7	2°51	17°58	16°15	11°36	n.a.	S 8
S 9	0 13 20	2° 3'41	12♎54	18°37	10°48	17°18	3°29	4°36	25°48	12° 9	2°51	17°52	16°12	11°43	n.a.	S 9
M10	0 17 17	3° 4'34	27°18	20°11	12° 4	17°36	3°35	4°43	25°46	12°11	2°52	17°44	16° 9	11°49	n.a.	M10
T 11	0 21 13	4° 5'28	11♏50	21°45	13°19	17°53	3°40	4°50	25°43	12°13	2°52	17°36	16° 5	11°56	n.a.	T 11
W12	0 25 10	5° 6'24	26°22	23°19	14°34	18° 9	3°46	4°57	25°41	12°15	2°52	17°30	16° 2	12° 3	n.a.	W12
T 13	0 29 6	6° 7'20	10♐49	24°53	15°50	18°25	3°52	5° 4	25°39	12°18	2°53	17°25	15°59	12°10	n.a.	T 13
F 14	0 33 3	7° 8'18	25° 8	26°28	17° 5	18°41	3°58	5°11	25°36	12°20	2°53	17°22	15°56	12°16	n.a.	F 14
S 15	0 36 59	8° 9'17	9♑14	28° 3	18°21	18°56	4° 4	5°18	25°34	12°22	2°53	17°D22	15°53	12°23	n.a.	S 15
S 16	0 40 56	9°10'17	23° 7	29°37	19°36	19°10	4°10	5°25	25°32	12°24	2°54	17°22	15°49	12°30	n.a.	S 16
M17	0 44 52	10°11'17	6♒48	1♎12	20°51	19°24	4°17	5°32	25°29	12°26	2°54	17°24	15°46	12°36	n.a.	M17
T 18	0 48 49	11°12'19	20°16	2°46	22° 7	19°38	4°23	5°39	25°27	12°28	2°55	17°R24	15°43	12°43	n.a.	T 18
W19	0 52 46	12°13'21	3♓33	4°21	23°22	19°51	4°30	5°46	25°24	12°30	2°55	17°23	15°40	12°50	n.a.	W19
T 20	0 56 42	13°14'24	16°39	5°55	24°38	20° 3	4°37	5°53	25°22	12°32	2°56	17°19	15°37	12°56	n.a.	T 20
F 21	1 0 39	14°15'28	29°34	7°30	25°53	20°15	4°44	6° 0	25°19	12°34	2°56	17°12	15°34	13° 3	n.a.	F 21
S 22	1 4 35	15°16'33	12♈17	9° 4	27° 9	20°26	4°51	6° 7	25°17	12°36	2°57	17° 3	15°30	13°10	n.a.	S 22
S 23	1 8 32	16°17'39	24°50	10°39	28°24	20°37	4°59	6°14	25°14	12°38	2°57	16°52	15°27	13°17	n.a.	S 23
M24	1 12 28	17°18'46	7♉11	12°13	29°40	20°47	5° 6	6°21	25°12	12°40	2°58	16°40	15°24	13°23	n.a.	M24
T 25	1 16 25	18°19'54	19°21	13°47	0♎55	20°56	5°14	6°27	25° 9	12°42	2°58	16°29	15°21	13°30	n.a.	T 25
W26	1 20 21	19°21'03	1♊22	15°21	2°11	21° 5	5°22	6°34	25° 7	12°44	2°59	16°18	15°18	13°37	n.a.	W26
T 27	1 24 18	20°22'13	13°16	16°56	3°26	21°13	5°30	6°41	25° 4	12°45	3° 0	16° 9	15°15	13°43	n.a.	T 27
F 28	1 28 15	21°23'24	25° 6	18°30	4°42	21°20	5°38	6°48	25° 2	12°47	3° 1	16° 3	15°11	13°50	n.a.	F 28
S 29	1 32 11	22°24'36	6♋56	20° 4	5°57	21°27	5°47	6°55	24°59	12°49	3° 1	15°59	15° 8	13°57	n.a.	S 29
S 30	1 36 8	23°25'49	18°51	21°39	7°13	21°33	5°55	7° 2	24°56	12°51	3° 2	15°D58	15° 5	14° 4	n.a.	S 30
M31	1 40 4	24♎27'03	0♌56	23♎13	8♎28	21♊38	6♑ 4	7♎ 9	24♈54	12♍53	3♑ 3	15♌58	15♌ 2	14♊10	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n27	19n57	3s56	11n16	2n 9	12n50	1n32	23n44	0n45	24s53	1s 2	0n38	2n19	9n52	0s26	9n 0	1n55	33s31	9s40	15n43	16n 9	17n50		n.a.
S 2	2 2	20 18	3 8	10 41	2 7	12 23	1 32	23 48	0 47	24 53	1 2	0 35	2 19	9 51	0 26	8 59	1 55	33 31	9 40	15 42	16 10	17 52		n.a.
M 3	1 38	19 42	2 12	10 6	2 5	11 56	1 33	23 52	0 49	24 53	1 2	0 32	2 19	9 50	0 26	8 58	1 55	33 31	9 40	15 42	16 11	17 53		n.a.
T 4	1 13	18 9	1 8	9 29	2 2	11 28	1 33	23 56	0 50	24 53	1 2	0 29	2 19	9 49	0 26	8 58	1 55	33 31	9 40	15 41	16 12	17 54		n.a.
W 5	0 48	15 39	0n 1	8 50	1 59	11 0	1 33	24 0	0 52	24 53	1 2	0 27	2 19	9 48	0 26	8 57	1 55	33 31	9 39	15 41	16 13	17 55		n.a.
T 6	0 24	12 18	1 11	8 11	1 55	10 32	1 34	24 4	0 54	24 52	1 2	0 24	2 19	9 48	0 26	8 56	1 55	33 30	9 39	15 41	16 14	17 57		n.a.
F 7	0s 1	8 13	2 20	7 31	1 51	10 3	1 34	24 8	0 56	24 52	1 2	0 21	2 19	9 47	0 26	8 55	1 55	33 30	9 39	15 42	16 15	17 58		n.a.
S 8	0 25	3 36	3 22	6 50	1 46	9 35	1 34	24 11	0 57	24 52	1 1	0 18	2 18	9 46	0 26	8 54	1 55	33 30	9 39	15 44	16 16	17 59		n.a.
S 9	0 50	1s19	4 13	6 8	1 41	9 6	1 34	24 15	0 59	24 52	1 1	0 15	2 18	9 45	0 26	8 54	1 55	33 30	9 39	15 46	16 17	18 1		n.a.
M10	1 15	6 13	4 49	5 26	1 36	8 36	1 34	24 19	1 1	24 52	1 1	0 12	2 18	9 44	0 26	8 53	1 55	33 30	9 38	15 48	16 18	18 2		n.a.
T 11	1 39	10 49	5 6	4 43	1 31	8 7	1 34	24 22	1 3	24 51	1 1	0 9	2 18	9 43	0 26	8 52	1 55	33 29	9 38	15 51	16 19	18 3		n.a.
W12	2 4	14 47	5 4	4 0	1 25	7 37	1 33	24 25	1 5	24 51	1 1	0 7	2 18	9 43	0 26	8 51	1 55	33 29	9 38	15 53	16 20	18 4		n.a.
T 13	2 29	17 49	4 43	3 16	1 19	7 7	1 33	24 29	1 7	24 51	1 1	0 4	2 18	9 42	0 26	8 50	1 55	33 29	9 38	15 54	16 21	18 6		n.a.
F 14	2 53	19 44	4 4	2 33	1 13	6 37	1 33	24 32	1 9	24 51	1 1	0 1	2 18	9 41	0 26	8 50	1 55	33 29	9 38	15 55	16 22	18 7		n.a.
S 15	3 18	20 24	3 10	1 49	1 7	6 6	1 32	24 35	1 11	24 50	1 1	0s 2	2 18	9 40	0 26	8 49	1 55	33 29	9 37	15 55	16 22	18 8		n.a.
S 16	3 42	19 47	2 7	1 5	1 1	5 36	1 32	24 39	1 13	24 50	1 1	0 5	2 18	9 39	0 26	8 48	1 55	33 28	9 37	15 55	16 23	18 9		n.a.
M17	4 6	18 0	0 57	0 21	0 55	5 5	1 31	24 42	1 15	24 50	1 1	0 8	2 18	9 38	0 26	8 47	1 55	33 28	9 37	15 55	16 24	18 11		n.a.
T 18	4 31	15 15	0s15	0s23	0 48	4 34	1 30	24 45	1 17	24 49	1 1	0 10	2 18	9 37	0 26	8 46	1 55	33 28	9 37	15 55	16 25	18 12		n.a.
W19	4 55	11 43	1 26	1 7	0 42	4 3	1 30	24 48	1 19	24 49	1 0	0 13	2 18	9 36	0 26	8 46	1 55	33 28	9 37	15 55	16 26	18 13		n.a.
T 20	5 19	7 40	2 30	1 52	0 35	3 32	1 29	24 51	1 21	24 49	1 0	0 16	2 18	9 35	0 26	8 45	1 55	33 28	9 36	15 56	16 27	18 14		n.a.
F 21	5 43	3 19	3 26	2 36	0 29	3 0	1 28	24 54	1 23	24 48	1 0	0 19	2 18	9 34	0 26	8 44	1 55	33 27	9 36	15 58	16 28	18 16		n.a.
S 22	6 7	1n 7	4 10	3 19	0 22	2 29	1 27	24 57	1 25	24 48	1 0	0 22	2 18	9 34	0 26	8 43	1 55	33 27	9 36	16 1	16 29	18 17		n.a.
S 23	6 31	5 26	4 41	4 3	0 15	1 58	1 26	25 0	1 27	24 48	1 0	0 24	2 18	9 33	0 26	8 43	1 55	33 27	9 36	16 4	16 30	18 18		n.a.
M24	6 55	9 28	4 59	4 47	0 9	1 26	1 25	25 3	1 30	24 47	1 0	0 27	2 18	9 32	0 26	8 42	1 55	33 27	9 36	16 8	16 31	18 19		n.a.
T 25	7 19	13 2	5 3	5 30	0 2	0 54	1 24	25 6	1 32	24 47	1 0	0 30	2 18	9 31	0 26	8 41	1 55	33 26	9 35	16 12	16 32	18 20		n.a.
W26	7 43	16 2	4 53	6 13	0s 4	0 23	1 23	25 9	1 34	24 46	1 0	0 33	2 19	9 30	0 26	8 41	1 55	33 26	9 35	16 15	16 33	18 22		n.a.
T 27	8 6	18 21	4 30	6 56	0 11	0s 9	1 22	25 12	1 37	24 46	1 0	0 35	2 19	9 29	0 26	8 40	1 55	33 26	9 35	16 17	16 34	18 23		n.a.
F 28	8 30	19 51	3 56	7 39	0 17	0 40	1 20	25 14	1 39	24 46	1 0	0 38	2 19	9 28	0 26	8 39	1 55	33 26	9 35	16 19	16 35	18 24		n.a.
S 29	8 53	20 30	3 12	8 21	0 24	1 12	1 19	25 17	1 41	24 45	1 0	0 41	2 19	9 27	0 26	8 39	1 56	33 26	9 35	16 20	16 36	18 25		n.a.
S 30	9 16	20 14	2 19	9 3	0 30	1 44	1 18	25 20	1 44	24 45	1 0	0 44	2 19	9 26	0 26	8 38	1 56	33 25	9 35	16 21	16 37	18 27		n.a.
M31	9s39	19n 2	1s19	9s45	0s36	2s15	1n16	25n23	1n46	24s44	1s 0	0s46	2n19	9n25	0s26	8n37	1n56	33s25	9s34	16n21	16n38	18n28		n.a.

Julian Day Number = 1112094.5, Delta T = 10h51m17s
Ecliptic obliquity = 23°53'15, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'09, Lahiri = -26°58'08 Julian Calendar 1 Oct. 1669 BCE == Greg. Calendar 17 Sept. 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

NOVEMBER 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 44 1	25♎28'18	13♌17	24♎48	9♎44	21♊43	6♑12	7♎15	24°R51	12♍55	3♑ 4	15°R58	14♌59	14♊17	n.a.	T 1
W 2	1 47 57	26°29'34	25°59	26°22	11° 0	21°46	6°21	7°22	24♈49	12°56	3° 5	15♌58	14°55	14°24	n.a.	W 2
T 3	1 51 54	27°30'51	9♍ 6	27°57	12°15	21°50	6°30	7°29	24°46	12°58	3° 5	15°56	14°52	14°30	n.a.	T 3
F 4	1 55 50	28°32'08	22°41	29°32	13°31	21°52	6°40	7°36	24°44	13° 0	3° 6	15°51	14°49	14°37	n.a.	F 4
S 5	1 59 47	29°33'26	6♎44	1♏ 7	14°46	21°54	6°49	7°42	24°41	13° 1	3° 7	15°43	14°46	14°44	n.a.	S 5
S 6	2 3 44	0♏34'44	21°13	2°42	16° 2	21°54	6°58	7°49	24°39	13° 3	3° 8	15°33	14°43	14°50	n.a.	S 6
M 7	2 7 40	1°36'03	6♏ 0	4°17	17°17	21°R54	7° 8	7°56	24°36	13° 5	3° 9	15°22	14°40	14°57	n.a.	M 7
T 8	2 11 37	2°37'23	20°59	5°52	18°33	21°54	7°18	8° 2	24°33	13° 6	3°10	15°10	14°36	15° 4	n.a.	T 8
W 9	2 15 33	3°38'42	5♐59	7°28	19°49	21°52	7°27	8° 9	24°31	13° 8	3°11	15° 0	14°33	15°11	n.a.	W 9
T 10	2 19 30	4°40'02	20°51	9° 4	21° 4	21°50	7°37	8°16	24°28	13°10	3°12	14°51	14°30	15°17	n.a.	T 10
F 11	2 23 26	5°41'22	5♑28	10°40	22°20	21°47	7°47	8°22	24°26	13°11	3°13	14°46	14°27	15°24	n.a.	F 11
S 12	2 27 23	6°42'42	19°45	12°16	23°35	21°43	7°58	8°29	24°23	13°13	3°14	14°43	14°24	15°31	n.a.	S 12
S 13	2 31 20	7°44'01	3♒40	13°53	24°51	21°38	8° 8	8°35	24°21	13°14	3°15	14°42	14°20	15°37	n.a.	S 13
M14	2 35 16	8°45'21	17°15	15°29	26° 6	21°33	8°18	8°41	24°18	13°16	3°16	14°42	14°17	15°44	n.a.	M14
T 15	2 39 13	9°46'40	0♓32	17° 6	27°22	21°26	8°29	8°48	24°16	13°17	3°18	14°42	14°14	15°51	n.a.	T 15
W16	2 43 9	10°47'59	13°32	18°43	28°37	21°19	8°39	8°54	24°14	13°18	3°19	14°39	14°11	15°58	n.a.	W16
T 17	2 47 6	11°49'17	26°19	20°20	29°53	21°11	8°50	9° 0	24°11	13°20	3°20	14°34	14° 8	16° 4	n.a.	T 17
F 18	2 51 2	12°50'35	8♈55	21°58	1♏ 8	21° 3	9° 1	9° 7	24° 9	13°21	3°21	14°26	14° 5	16°11	n.a.	F 18
S 19	2 54 59	13°51'53	21°21	23°35	2°24	20°53	9°12	9°13	24° 6	13°23	3°22	14°14	14° 1	16°18	n.a.	S 19
S 20	2 58 55	14°53'11	3♉39	25°13	3°39	20°43	9°23	9°19	24° 4	13°24	3°24	14° 1	13°58	16°24	n.a.	S 20
M21	3 2 52	15°54'28	15°48	26°50	4°55	20°31	9°34	9°25	24° 2	13°25	3°25	13°46	13°55	16°31	n.a.	M21
T 22	3 6 49	16°55'46	27°51	28°28	6°10	20°19	9°45	9°31	23°59	13°26	3°26	13°31	13°52	16°38	n.a.	T 22
W23	3 10 45	17°57'03	9♊47	0♐ 5	7°26	20° 7	9°57	9°37	23°57	13°28	3°27	13°17	13°49	16°44	n.a.	W23
T 24	3 14 42	18°58'20	21°38	1°42	8°41	19°53	10° 8	9°43	23°55	13°29	3°29	13° 5	13°46	16°51	n.a.	T 24
F 25	3 18 38	19°59'37	3♋27	3°19	9°57	19°39	10°20	9°49	23°53	13°30	3°30	12°57	13°42	16°58	n.a.	F 25
S 26	3 22 35	21° 0'53	15°17	4°56	11°12	19°24	10°32	9°55	23°50	13°31	3°31	12°51	13°39	17° 5	n.a.	S 26
S 27	3 26 31	22° 2'10	27°11	6°32	12°28	19° 8	10°43	10° 1	23°48	13°32	3°33	12°48	13°36	17°11	n.a.	S 27
M28	3 30 28	23° 3'26	9♌13	8° 7	13°43	18°51	10°55	10° 7	23°46	13°33	3°34	12°D47	13°33	17°18	n.a.	M28
T 29	3 34 25	24° 4'42	21°30	9°41	14°59	18°34	11° 7	10°12	23°44	13°34	3°36	12°R47	13°30	17°25	n.a.	T 29
W30	3 38 21	25♏ 5'57	4♍ 6	11♐13	16♏14	18♊16	11♑19	10♎18	23♈42	13♍35	3♑37	12♌47	13♌26	17♊31	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10s 2	16n55	0s14	10s26	0s42	2s47	1n15	25n26	1n48	24s44	0s59	0s49	2n19	9n24	0s26	8n37	1n56	33s25	9s34	16n21	16n39	18n29		n.a.
W 2	10 24	13 55	0n53	11 6	0 48	3 19	1 13	25 28	1 51	24 43	0 59	0 52	2 19	9 23	0 26	8 36	1 56	33 25	9 34	16 21	16 40	18 30		n.a.
T 3	10 47	10 9	2 0	11 47	0 54	3 50	1 12	25 31	1 53	24 43	0 59	0 54	2 19	9 22	0 26	8 35	1 56	33 25	9 34	16 22	16 41	18 31		n.a.
F 4	11 9	5 44	3 2	12 27	1 0	4 21	1 10	25 34	1 56	24 42	0 59	0 57	2 19	9 21	0 26	8 35	1 56	33 24	9 34	16 23	16 42	18 33		n.a.
S 5	11 31	0 52	3 55	13 6	1 5	4 53	1 8	25 36	1 58	24 42	0 59	1 0	2 19	9 20	0 26	8 34	1 56	33 24	9 33	16 25	16 43	18 34		n.a.
S 6	11 53	4s12	4 34	13 45	1 11	5 24	1 7	25 39	2 1	24 41	0 59	1 2	2 19	9 19	0 26	8 33	1 56	33 24	9 33	16 28	16 43	18 35		n.a.
M 7	12 15	9 7	4 57	14 23	1 16	5 55	1 5	25 41	2 4	24 40	0 59	1 5	2 19	9 18	0 26	8 33	1 56	33 24	9 33	16 32	16 44	18 36		n.a.
T 8	12 37	13 32	4 59	15 0	1 21	6 26	1 3	25 44	2 6	24 40	0 59	1 7	2 19	9 18	0 26	8 32	1 56	33 24	9 33	16 35	16 45	18 37		n.a.
W 9	12 58	17 6	4 41	15 37	1 26	6 57	1 1	25 46	2 9	24 39	0 59	1 10	2 19	9 17	0 26	8 32	1 56	33 24	9 33	16 38	16 46	18 39		n.a.
T 10	13 19	19 30	4 4	16 13	1 31	7 27	0 59	25 49	2 11	24 39	0 59	1 12	2 19	9 16	0 26	8 31	1 56	33 23	9 33	16 41	16 47	18 40		n.a.
F 11	13 40	20 35	3 11	16 49	1 36	7 58	0 57	25 51	2 14	24 38	0 59	1 15	2 19	9 15	0 26	8 31	1 56	33 23	9 33	16 43	16 48	18 41		n.a.
S 12	14 0	20 18	2 8	17 23	1 40	8 28	0 55	25 54	2 17	24 37	0 59	1 18	2 19	9 14	0 26	8 30	1 56	33 23	9 32	16 43	16 49	18 42		n.a.
S 13	14 21	18 45	0 58	17 57	1 44	8 58	0 53	25 56	2 19	24 37	0 59	1 20	2 20	9 13	0 26	8 29	1 56	33 23	9 32	16 44	16 50	18 43		n.a.
M14	14 41	16 10	0s14	18 30	1 48	9 28	0 51	25 58	2 22	24 36	0 59	1 22	2 20	9 12	0 26	8 29	1 56	33 23	9 32	16 44	16 51	18 44		n.a.
T 15	15 1	12 46	1 23	19 2	1 51	9 58	0 49	26 1	2 25	24 35	0 59	1 25	2 20	9 11	0 26	8 28	1 56	33 22	9 32	16 44	16 52	18 46		n.a.
W16	15 21	8 50	2 26	19 33	1 54	10 27	0 47	26 3	2 27	24 34	0 59	1 27	2 20	9 10	0 26	8 28	1 56	33 22	9 32	16 45	16 53	18 47		n.a.
T 17	15 40	4 33	3 21	20 3	1 57	10 56	0 45	26 5	2 30	24 34	0 58	1 30	2 20	9 9	0 26	8 27	1 57	33 22	9 32	16 46	16 54	18 48		n.a.
F 18	15 59	0 8	4 5	20 31	2 0	11 25	0 43	26 7	2 33	24 33	0 58	1 32	2 20	9 8	0 26	8 27	1 57	33 22	9 32	16 49	16 55	18 49		n.a.
S 19	16 18	4n13	4 36	20 59	2 2	11 54	0 41	26 9	2 35	24 32	0 58	1 35	2 20	9 8	0 26	8 27	1 57	33 22	9 31	16 52	16 56	18 50		n.a.
S 20	16 36	8 21	4 55	21 25	2 4	12 22	0 38	26 11	2 38	24 31	0 58	1 37	2 20	9 7	0 25	8 26	1 57	33 22	9 31	16 56	16 57	18 51		n.a.
M21	16 54	12 7	4 59	21 50	2 5	12 50	0 36	26 13	2 41	24 30	0 58	1 39	2 20	9 6	0 25	8 26	1 57	33 21	9 31	17 0	16 58	18 52		n.a.
T 22	17 12	15 20	4 50	22 14	2 6	13 18	0 34	26 15	2 43	24 29	0 58	1 42	2 20	9 5	0 25	8 25	1 57	33 21	9 31	17 5	16 58	18 54		n.a.
W23	17 30	17 54	4 29	22 36	2 7	13 45	0 31	26 16	2 46	24 28	0 58	1 44	2 21	9 4	0 25	8 25	1 57	33 21	9 31	17 9	16 59	18 55		n.a.
T 24	17 47	19 42	3 55	22 57	2 6	14 12	0 29	26 18	2 49	24 27	0 58	1 46	2 21	9 3	0 25	8 24	1 57	33 21	9 31	17 12	17 0	18 56		n.a.
F 25	18 4	20 39	3 12	23 16	2 6	14 39	0 27	26 19	2 51	24 27	0 58	1 48	2 21	9 2	0 25	8 24	1 57	33 21	9 31	17 15	17 1	18 57		n.a.
S 26	18 21	20 40	2 20	23 34	2 5	15 5	0 25	26 21	2 54	24 26	0 58	1 51	2 21	9 2	0 25	8 24	1 57	33 21	9 31	17 16	17 2	18 58		n.a.
S 27	18 37	19 47	1 22	23 49	2 3	15 31	0 22	26 22	2 57	24 25	0 58	1 53	2 21	9 1	0 25	8 23	1 57	33 20	9 30	17 17	17 3	18 59		n.a.
M28	18 53	17 59	0 19	24 3	2 0	15 56	0 20	26 23	2 59	24 24	0 58	1 55	2 21	9 0	0 25	8 23	1 57	33 20	9 30	17 17	17 4	19 0		n.a.
T 29	19 9	15 20	0n46	24 15	1 57	16 21	0 17	26 24	3 2	24 22	0 58	1 57	2 21	8 59	0 25	8 22	1 57	33 20	9 30	17 17	17 5	19 1		n.a.
W30	19s24	11n54	1n50	24s25	1s53	16s46	0n15	26n25	3n 4	24s21	0s58	1s59	2n21	8n59	0s25	8n22	1n57	33s20	9s30	17n17	17n 6	19n 3		n.a.

Julian Day Number = 1112125.5, Delta T = 10h51m15s
Ecliptic obliquity = 23°53'15, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'05, Lahiri = -26°58'04 Julian Calendar 1 Nov. 1669 BCE == Greg. Calendar 18 Oct. 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1669 BCE
geocentric

DECEMBER 1669 BCE (-1668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 42 18	26♏ 7'13	17♍ 7	12♐44	17♏29	17°R58	11♑31	10♎24	23°R40	13♍36	3♑38	12°R46	13♌23	17♊38	n.a.	T 1
F 2	3 46 14	27° 8'28	0♎36	14°14	18°45	17♊38	11°43	10°29	23♈38	13°37	3°40	12♌42	13°20	17°45	n.a.	F 2
S 3	3 50 11	28° 9'42	14°36	15°40	20° 0	17°19	11°56	10°35	23°36	13°38	3°41	12°35	13°17	17°51	n.a.	S 3
S 4	3 54 7	29°10'56	29° 5	17° 4	21°16	16°58	12° 8	10°40	23°34	13°39	3°43	12°26	13°14	17°58	n.a.	S 4
M 5	3 58 4	0♐12'10	14♏ 0	18°24	22°31	16°37	12°20	10°45	23°32	13°40	3°44	12°15	13°11	18° 5	n.a.	M 5
T 6	4 2 0	1°13'23	29°11	19°40	23°46	16°16	12°33	10°51	23°30	13°41	3°46	12° 4	13° 7	18°12	n.a.	T 6
W 7	4 5 57	2°14'35	14♐29	20°52	25° 2	15°54	12°45	10°56	23°28	13°41	3°47	11°54	13° 4	18°18	n.a.	W 7
T 8	4 9 54	3°15'46	29°41	21°58	26°17	15°32	12°58	11° 1	23°26	13°42	3°49	11°45	13° 1	18°25	n.a.	T 8
F 9	4 13 50	4°16'56	14♑39	22°57	27°32	15° 9	13°11	11° 6	23°25	13°43	3°50	11°40	12°58	18°32	n.a.	F 9
S 10	4 17 47	5°18'05	29°14	23°50	28°48	14°46	13°24	11°11	23°23	13°44	3°52	11°37	12°55	18°38	n.a.	S 10
S 11	4 21 43	6°19'13	13♒23	24°34	0♐ 3	14°23	13°36	11°16	23°21	13°44	3°54	11°D37	12°52	18°45	n.a.	S 11
M12	4 25 40	7°20'19	27° 6	25°10	1°18	13°59	13°49	11°21	23°19	13°45	3°55	11°37	12°48	18°52	n.a.	M12
T 13	4 29 36	8°21'24	10♓24	25°36	2°34	13°35	14° 2	11°26	23°18	13°45	3°57	11°R38	12°45	18°58	n.a.	T 13
W14	4 33 33	9°22'28	23°21	25°51	3°49	13°12	14°15	11°31	23°16	13°46	3°58	11°36	12°42	19° 5	n.a.	W14
T 15	4 37 30	10°23'30	6♈ 0	25°R56	5° 4	12°48	14°29	11°36	23°15	13°46	4° 0	11°33	12°39	19°12	n.a.	T 15
F 16	4 41 26	11°24'31	18°25	25°49	6°19	12°24	14°42	11°40	23°13	13°47	4° 2	11°27	12°36	19°19	n.a.	F 16
S 17	4 45 23	12°25'30	0♉39	25°31	7°34	12° 0	14°55	11°45	23°12	13°47	4° 3	11°19	12°32	19°25	n.a.	S 17
S 18	4 49 19	13°26'28	12°45	25° 1	8°50	11°35	15° 8	11°49	23°10	13°48	4° 5	11° 9	12°29	19°32	n.a.	S 18
M19	4 53 16	14°27'25	24°44	24°21	10° 5	11°12	15°22	11°54	23° 9	13°48	4° 6	10°57	12°26	19°39	n.a.	M19
T 20	4 57 12	15°28'21	6♊40	23°32	11°20	10°48	15°35	11°58	23° 8	13°48	4° 8	10°46	12°23	19°45	n.a.	T 20
W21	5 1 9	16°29'15	18°32	22°34	12°35	10°24	15°48	12° 2	23° 7	13°49	4°10	10°35	12°20	19°52	n.a.	W21
T 22	5 5 5	17°30'07	0♋22	21°29	13°50	10° 1	16° 2	12° 6	23° 5	13°49	4°12	10°27	12°17	19°59	n.a.	T 22
F 23	5 9 2	18°30'59	12°12	20°20	15° 5	9°37	16°15	12°11	23° 4	13°49	4°13	10°20	12°13	20° 5	n.a.	F 23
S 24	5 12 59	19°31'49	24° 5	19° 8	16°21	9°15	16°29	12°15	23° 3	13°50	4°15	10°16	12°10	20°12	n.a.	S 24
S 25	5 16 55	20°32'37	6♌ 3	17°55	17°36	8°52	16°43	12°19	23° 2	13°50	4°17	10°D15	12° 7	20°19	n.a.	S 25
M26	5 20 52	21°33'25	18° 9	16°43	18°51	8°30	16°56	12°22	23° 1	13°50	4°18	10°15	12° 4	20°25	n.a.	M26
T 27	5 24 48	22°34'11	0♍27	15°35	20° 6	8° 8	17°10	12°26	23° 0	13°50	4°20	10°16	12° 1	20°32	n.a.	T 27
W28	5 28 45	23°34'56	13° 2	14°32	21°21	7°47	17°24	12°30	22°59	13°50	4°22	10°17	11°58	20°39	n.a.	W28
T 29	5 32 41	24°35'39	25°58	13°34	22°36	7°26	17°38	12°34	22°58	13°R50	4°23	10°R18	11°54	20°46	n.a.	T 29
F 30	5 36 38	25°36'21	9♎19	12°43	23°51	7° 6	17°52	12°37	22°57	13°50	4°25	10°17	11°51	20°52	n.a.	F 30
S 31	5 40 35	26♐37'02	23♎ 8	12♐ 0	25♐ 6	6♊46	18♑ 6	12♎40	22♈57	13♍50	4♑27	10♌14	11♌48	20♊59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s39	7n48	2n51	24s33	1s49	17s10	0n13	26n26	3n 7	24s20	0s58	2s 1	2n22	8n58	0s25	8n22	1n57	33s20	9s30	17n18	17n 7	19n 4		n.a.
F 2	19 53	3 11	3 45	24 38	1 43	17 34	0 10	26 26	3 9	24 19	0 58	2 4	2 22	8 57	0 25	8 22	1 57	33 20	9 30	17 19	17 8	19 5		n.a.
S 3	20 7	1s46	4 27	24 42	1 36	17 57	0 8	26 27	3 12	24 18	0 58	2 6	2 22	8 56	0 25	8 21	1 58	33 20	9 30	17 21	17 9	19 6		n.a.
S 4	20 21	6 47	4 54	24 43	1 29	18 19	0 6	26 27	3 14	24 17	0 58	2 8	2 22	8 56	0 25	8 21	1 58	33 20	9 30	17 23	17 10	19 7		n.a.
M 5	20 34	11 33	5 2	24 43	1 21	18 42	0 3	26 27	3 16	24 16	0 58	2 10	2 22	8 55	0 25	8 21	1 58	33 19	9 30	17 27	17 11	19 8		n.a.
T 6	20 47	15 39	4 49	24 40	1 11	19 3	0 1	26 27	3 18	24 14	0 58	2 12	2 22	8 54	0 25	8 20	1 58	33 19	9 30	17 30	17 11	19 9		n.a.
W 7	21 0	18 45	4 15	24 34	1 1	19 24	0s 2	26 27	3 20	24 13	0 58	2 14	2 23	8 54	0 25	8 20	1 58	33 19	9 29	17 33	17 12	19 10		n.a.
T 8	21 12	20 30	3 23	24 27	0 49	19 45	0 4	26 26	3 23	24 12	0 58	2 15	2 23	8 53	0 25	8 20	1 58	33 19	9 29	17 35	17 13	19 11		n.a.
F 9	21 24	20 47	2 18	24 18	0 36	20 5	0 6	26 26	3 25	24 11	0 58	2 17	2 23	8 52	0 25	8 20	1 58	33 19	9 29	17 36	17 14	19 12		n.a.
S 10	21 35	19 38	1 5	24 7	0 23	20 24	0 9	26 25	3 26	24 9	0 58	2 19	2 23	8 52	0 25	8 20	1 58	33 19	9 29	17 37	17 15	19 14		n.a.
S 11	21 46	17 16	0s 9	23 54	0 8	20 43	0 11	26 24	3 28	24 8	0 58	2 21	2 23	8 51	0 25	8 19	1 58	33 19	9 29	17 37	17 16	19 15		n.a.
M12	21 57	13 59	1 22	23 40	0n 8	21 2	0 13	26 23	3 30	24 7	0 58	2 23	2 23	8 50	0 25	8 19	1 58	33 19	9 29	17 37	17 17	19 16		n.a.
T 13	22 7	10 4	2 27	23 24	0 25	21 19	0 16	26 22	3 32	24 5	0 58	2 25	2 23	8 50	0 25	8 19	1 58	33 18	9 29	17 37	17 18	19 17		n.a.
W14	22 16	5 47	3 23	23 7	0 43	21 36	0 18	26 20	3 33	24 4	0 58	2 26	2 24	8 49	0 25	8 19	1 58	33 18	9 29	17 37	17 19	19 18		n.a.
T 15	22 25	1 21	4 8	22 49	1 1	21 53	0 20	26 18	3 35	24 2	0 58	2 28	2 24	8 49	0 25	8 19	1 58	33 18	9 29	17 38	17 20	19 19		n.a.
F 16	22 34	3n 3	4 40	22 30	1 19	22 8	0 23	26 17	3 36	24 1	0 58	2 30	2 24	8 48	0 25	8 19	1 58	33 18	9 29	17 40	17 21	19 20		n.a.
S 17	22 42	7 15	4 59	22 10	1 38	22 24	0 25	26 15	3 38	23 59	0 58	2 31	2 24	8 48	0 25	8 19	1 59	33 18	9 29	17 42	17 22	19 21		n.a.
S 18	22 50	11 8	5 4	21 51	1 57	22 38	0 27	26 13	3 39	23 58	0 58	2 33	2 24	8 47	0 25	8 18	1 59	33 18	9 29	17 45	17 22	19 22		n.a.
M19	22 58	14 32	4 56	21 31	2 15	22 52	0 29	26 10	3 40	23 56	0 58	2 35	2 25	8 47	0 25	8 18	1 59	33 18	9 29	17 48	17 23	19 23		n.a.
T 20	23 5	17 19	4 34	21 11	2 32	23 5	0 32	26 8	3 41	23 55	0 58	2 36	2 25	8 46	0 25	8 18	1 59	33 18	9 29	17 52	17 24	19 24		n.a.
W21	23 11	19 23	4 1	20 52	2 49	23 17	0 34	26 5	3 42	23 53	0 58	2 38	2 25	8 46	0 25	8 18	1 59	33 18	9 29	17 55	17 25	19 25		n.a.
T 22	23 17	20 36	3 17	20 34	3 3	23 29	0 36	26 3	3 43	23 51	0 58	2 39	2 25	8 45	0 25	8 18	1 59	33 18	9 29	17 57	17 26	19 26		n.a.
F 23	23 23	20 55	2 25	20 17	3 16	23 40	0 38	26 0	3 44	23 50	0 58	2 41	2 25	8 45	0 25	8 18	1 59	33 18	9 29	17 59	17 27	19 27		n.a.
S 24	23 28	20 17	1 26	20 1	3 26	23 50	0 40	25 57	3 45	23 48	0 58	2 42	2 25	8 45	0 25	8 18	1 59	33 17	9 29	18 0	17 28	19 28		n.a.
S 25	23 33	18 45	0 23	19 46	3 34	24 0	0 42	25 54	3 45	23 46	0 58	2 43	2 26	8 44	0 25	8 18	1 59	33 17	9 29	18 0	17 29	19 29		n.a.
M26	23 37	16 21	0n43	19 34	3 40	24 9	0 44	25 51	3 46	23 45	0 58	2 45	2 26	8 44	0 25	8 18	1 59	33 17	9 29	18 0	17 30	19 30		n.a.
T 27	23 40	13 11	1 47	19 23	3 43	24 17	0 46	25 48	3 46	23 43	0 58	2 46	2 26	8 43	0 25	8 18	1 59	33 17	9 29	18 0	17 31	19 31		n.a.
W28	23 44	9 22	2 48	19 15	3 45	24 24	0 48	25 44	3 47	23 41	0 58	2 47	2 26	8 43	0 25	8 18	1 59	33 17	9 29	18 0	17 32	19 32		n.a.
T 29	23 46	5 1	3 42	19 9	3 44	24 31	0 50	25 41	3 47	23 39	0 58	2 49	2 26	8 43	0 25	8 18	1 59	33 17	9 29	17 59	17 32	19 33		n.a.
F 30	23 49	0 18	4 26	19 6	3 41	24 36	0 52	25 38	3 47	23 37	0 58	2 50	2 27	8 43	0 25	8 18	1 59	33 17	9 29	18 0	17 33	19 34		n.a.
S 31	23s51	4s35	4n56	19s 5	3n36	24s41	0s54	25n34	3n47	23s35	0s58	2s51	2n27	8n42	0s24	8n18	2n 0	33s17	9s29	18n 0	17n34	19n35		n.a.

Julian Day Number = 1112155.5, Delta T = 10h51m14s
Ecliptic obliquity = 23°53'14, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°05'00, Lahiri = -26°58'00 Julian Calendar 1 Dec. 1669 BCE == Greg. Calendar 17 Nov. 1669 BCE

The year -1668 astronomical counting style corresponds to year 1669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

JANUARY 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 44 31	27♐37'42	7♏25	11°R25	26♐21	6°R27	18♑19	12♎44	22°R56	13°R50	4♑29	10°R 9	11♌45	21♊ 6	n.a.	S 1
M 2	5 48 28	28°38'20	22° 8	10♐57	27°36	6♊ 8	18°33	12°47	22♈55	13♍50	4°30	10♌ 3	11°42	21°12	n.a.	M 2
T 3	5 52 24	29°38'56	7♐12	10°38	28°51	5°50	18°47	12°50	22°55	13°50	4°32	9°57	11°38	21°19	n.a.	T 3
W 4	5 56 21	0♑39'32	22°27	10°26	0♑ 6	5°33	19° 1	12°53	22°54	13°49	4°34	9°51	11°35	21°26	n.a.	W 4
T 5	6 0 17	1°40'05	7♑43	10°D22	1°21	5°16	19°16	12°56	22°54	13°49	4°36	9°46	11°32	21°32	n.a.	T 5
F 6	6 4 14	2°40'37	22°50	10°25	2°36	5° 1	19°30	12°59	22°53	13°49	4°37	9°43	11°29	21°39	n.a.	F 6
S 7	6 8 10	3°41'06	7♒38	10°34	3°51	4°45	19°44	13° 2	22°53	13°49	4°39	9°D42	11°26	21°46	n.a.	S 7
S 8	6 12 7	4°41'34	22° 1	10°49	5° 6	4°31	19°58	13° 5	22°52	13°48	4°41	9°43	11°23	21°53	n.a.	S 8
M 9	6 16 4	5°42'00	5♓57	11°11	6°21	4°17	20°12	13° 8	22°52	13°48	4°43	9°44	11°19	21°59	n.a.	M 9
T 10	6 20 0	6°42'23	19°26	11°37	7°36	4° 5	20°26	13°10	22°52	13°48	4°44	9°46	11°16	22° 6	n.a.	T 10
W11	6 23 57	7°42'44	2♈29	12° 9	8°51	3°53	20°41	13°13	22°52	13°47	4°46	9°R47	11°13	22°13	n.a.	W11
T 12	6 27 53	8°43'03	15°11	12°45	10° 5	3°41	20°55	13°15	22°52	13°47	4°48	9°47	11°10	22°19	n.a.	T 12
F 13	6 31 50	9°43'20	27°34	13°26	11°20	3°31	21° 9	13°17	22°51	13°46	4°50	9°45	11° 7	22°26	n.a.	F 13
S 14	6 35 46	10°43'34	9♉44	14°10	12°35	3°21	21°23	13°19	22°D51	13°46	4°51	9°42	11° 3	22°33	n.a.	S 14
S 15	6 39 43	11°43'47	21°44	14°58	13°50	3°12	21°38	13°21	22°51	13°45	4°53	9°38	11° 0	22°39	n.a.	S 15
M16	6 43 39	12°43'57	3♊38	15°50	15° 5	3° 4	21°52	13°23	22°52	13°45	4°55	9°34	10°57	22°46	n.a.	M16
T 17	6 47 36	13°44'05	15°28	16°45	16°19	2°57	22° 6	13°25	22°52	13°44	4°57	9°29	10°54	22°53	n.a.	T 17
W18	6 51 33	14°44'11	27°18	17°42	17°34	2°50	22°21	13°27	22°52	13°44	4°58	9°24	10°51	22°59	n.a.	W18
T 19	6 55 29	15°44'15	9♋10	18°43	18°49	2°45	22°35	13°29	22°52	13°43	5° 0	9°21	10°48	23° 6	n.a.	T 19
F 20	6 59 26	16°44'16	21° 5	19°45	20° 4	2°40	22°49	13°30	22°52	13°42	5° 2	9°19	10°44	23°13	n.a.	F 20
S 21	7 3 22	17°44'16	3♌ 6	20°51	21°18	2°36	23° 4	13°32	22°53	13°42	5° 3	9°17	10°41	23°19	n.a.	S 21
S 22	7 7 19	18°44'14	15°13	21°58	22°33	2°32	23°18	13°33	22°53	13°41	5° 5	9°D17	10°38	23°26	n.a.	S 22
M23	7 11 15	19°44'09	27°30	23° 8	23°48	2°30	23°32	13°35	22°54	13°40	5° 7	9°18	10°35	23°33	n.a.	M23
T 24	7 15 12	20°44'03	9♍59	24°19	25° 2	2°28	23°47	13°36	22°54	13°39	5° 9	9°20	10°32	23°40	n.a.	T 24
W25	7 19 8	21°43'55	22°42	25°33	26°17	2°27	24° 1	13°37	22°55	13°38	5°10	9°21	10°29	23°46	n.a.	W25
T 26	7 23 5	22°43'45	5♎42	26°48	27°32	2°D26	24°16	13°38	22°55	13°38	5°12	9°22	10°25	23°53	n.a.	T 26
F 27	7 27 1	23°43'33	19° 1	28° 5	28°46	2°27	24°30	13°39	22°56	13°37	5°14	9°R23	10°22	24° 0	n.a.	F 27
S 28	7 30 58	24°43'19	2♏43	29°24	0♒ 1	2°28	24°44	13°40	22°57	13°36	5°15	9°23	10°19	24° 6	n.a.	S 28
S 29	7 34 55	25°43'03	16°46	0♑45	1°15	2°30	24°59	13°40	22°57	13°35	5°17	9°22	10°16	24°13	n.a.	S 29
M30	7 38 51	26°42'46	1♐11	2° 6	2°30	2°32	25°13	13°41	22°58	13°34	5°19	9°21	10°13	24°20	n.a.	M30
T 31	7 42 48	27♑42'27	15♐55	3♑30	3♒45	2♊35	25♑28	13♎42	22♈59	13♍33	5♑20	9♌19	10♌ 9	24♊26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23 s52	9 s22	5n 9	19 s 6	3n30	24 s46	0 s56	25n31	3n47	23 s34	0 s58	2 s52	2n27	8n42	0 s24	8n19	2n 0	33 s17	9 s29	18n 2	17n35	19n36			n.a.
M 2	23 53	13 46	5 3	19 10	3 23	24 49	0 57	25 28	3 47	23 32	0 58	2 53	2 27	8 42	0 24	8 19	2 0	33 17	9 29	18 3	17 36	19 37			n.a.
T 3	23 53	17 23	4 36	19 15	3 14	24 52	0 59	25 24	3 47	23 30	0 58	2 54	2 28	8 42	0 24	8 19	2 0	33 17	9 29	18 5	17 37	19 38			n.a.
W 4	23 53	19 52	3 49	19 23	3 5	24 54	1 1	25 21	3 47	23 28	0 58	2 55	2 28	8 41	0 24	8 19	2 0	33 17	9 29	18 7	17 38	19 39			n.a.
T 5	23 53	20 54	2 45	19 32	2 55	24 55	1 2	25 18	3 47	23 26	0 58	2 56	2 28	8 41	0 24	8 19	2 0	33 17	9 29	18 8	17 39	19 40			n.a.
F 6	23 52	20 25	1 31	19 42	2 45	24 56	1 4	25 14	3 46	23 24	0 58	2 57	2 28	8 41	0 24	8 19	2 0	33 17	9 29	18 9	17 40	19 41			n.a.
S 7	23 50	18 31	0 11	19 54	2 34	24 55	1 5	25 11	3 46	23 22	0 58	2 58	2 28	8 41	0 24	8 19	2 0	33 17	9 29	18 9	17 40	19 42			n.a.
S 8	23 48	15 29	1 s 7	20 8	2 23	24 54	1 7	25 8	3 45	23 20	0 58	2 59	2 29	8 41	0 24	8 20	2 0	33 17	9 29	18 9	17 41	19 43			n.a.
M 9	23 46	11 38	2 19	20 22	2 12	24 52	1 8	25 5	3 45	23 17	0 58	3 0	2 29	8 41	0 24	8 20	2 0	33 17	9 29	18 9	17 42	19 44			n.a.
T 10	23 43	7 19	3 20	20 37	2 1	24 49	1 10	25 1	3 44	23 15	0 58	3 1	2 29	8 41	0 24	8 20	2 0	33 17	9 29	18 8	17 43	19 45			n.a.
W11	23 39	2 48	4 9	20 52	1 49	24 46	1 11	24 58	3 44	23 13	0 58	3 1	2 29	8 41	0 24	8 20	2 0	33 17	9 29	18 8	17 44	19 46			n.a.
T 12	23 36	1n43	4 45	21 8	1 38	24 42	1 12	24 56	3 43	23 11	0 58	3 2	2 30	8 41	0 24	8 20	2 0	33 17	9 29	18 8	17 45	19 47			n.a.
F 13	23 31	6 3	5 6	21 24	1 27	24 37	1 14	24 53	3 42	23 9	0 58	3 3	2 30	8 41	0 24	8 21	2 0	33 17	9 29	18 8	17 46	19 48			n.a.
S 14	23 27	10 3	5 13	21 41	1 15	24 31	1 15	24 50	3 41	23 6	0 58	3 3	2 30	8 41	0 24	8 21	2 1	33 17	9 29	18 9	17 47	19 49			n.a.
S 15	23 21	13 37	5 6	21 57	1 4	24 25	1 16	24 47	3 40	23 4	0 58	3 4	2 30	8 41	0 24	8 21	2 1	33 17	9 30	18 10	17 48	19 50			n.a.
M16	23 16	16 35	4 46	22 14	0 54	24 17	1 17	24 45	3 40	23 2	0 58	3 5	2 30	8 41	0 24	8 21	2 1	33 17	9 30	18 11	17 48	19 51			n.a.
T 17	23 10	18 52	4 14	22 30	0 43	24 9	1 18	24 43	3 39	23 0	0 58	3 5	2 31	8 41	0 24	8 22	2 1	33 17	9 30	18 13	17 49	19 52			n.a.
W18	23 3	20 21	3 31	22 46	0 33	24 1	1 19	24 40	3 38	22 57	0 58	3 6	2 31	8 41	0 24	8 22	2 1	33 17	9 30	18 14	17 50	19 53			n.a.
T 19	22 56	20 56	2 38	23 1	0 23	23 51	1 20	24 38	3 37	22 55	0 58	3 6	2 31	8 41	0 24	8 22	2 1	33 17	9 30	18 15	17 51	19 54			n.a.
F 20	22 49	20 34	1 39	23 16	0 13	23 41	1 21	24 36	3 36	22 53	0 58	3 7	2 31	8 41	0 24	8 23	2 1	33 17	9 30	18 16	17 52	19 55			n.a.
S 21	22 41	19 17	0 34	23 31	0 3	23 30	1 21	24 34	3 35	22 50	0 59	3 7	2 32	8 41	0 24	8 23	2 1	33 17	9 30	18 16	17 53	19 56			n.a.
S 22	22 33	17 6	0n33	23 45	0 s 6	23 18	1 22	24 32	3 33	22 48	0 59	3 7	2 32	8 42	0 24	8 23	2 1	33 17	9 30	18 16	17 54	19 57			n.a.
M23	22 24	14 7	1 39	23 58	0 15	23 6	1 23	24 31	3 32	22 45	0 59	3 8	2 32	8 42	0 24	8 24	2 1	33 17	9 30	18 16	17 55	19 58			n.a.
T 24	22 15	10 27	2 42	24 10	0 24	22 53	1 23	24 29	3 31	22 43	0 59	3 8	2 32	8 42	0 24	8 24	2 1	33 17	9 30	18 15	17 56	19 59			n.a.
W25	22 6	6 16	3 38	24 21	0 33	22 39	1 24	24 28	3 30	22 40	0 59	3 8	2 32	8 42	0 24	8 24	2 1	33 17	9 31	18 15	17 56	20 0			n.a.
T 26	21 56	1 43	4 24	24 32	0 41	22 25	1 24	24 27	3 29	22 38	0 59	3 8	2 33	8 42	0 24	8 25	2 1	33 17	9 31	18 15	17 57	20 0			n.a.
F 27	21 46	3 s 1	4 57	24 41	0 49	22 10	1 25	24 26	3 28	22 35	0 59	3 8	2 33	8 43	0 24	8 25	2 1	33 17	9 31	18 14	17 58	20 1			n.a.
S 28	21 35	7 43	5 15	24 49	0 56	21 54	1 25	24 25	3 27	22 33	0 59	3 9	2 33	8 43	0 24	8 26	2 1	33 17	9 31	18 14	17 59	20 2			n.a.
S 29	21 24	12 9	5 14	24 57	1 3	21 38	1 25	24 24	3 25	22 30	0 59	3 9	2 33	8 43	0 24	8 26	2 1	33 17	9 31	18 15	18 0	20 3			n.a.
M30	21 12	15 59	4 54	25 3	1 10	21 21	1 25	24 23	3 24	22 27	0 59	3 9	2 34	8 44	0 24	8 27	2 2	33 17	9 31	18 15	18 1	20 4			n.a.
T 31	21 s 0	18 s54	4n15	25 s 7	1 s17	21 s 4	1 s26	24n23	3n23	22 s25	0 s59	3 s 9	2n34	8n44	0 s24	8n27	2n 2	33 s18	9 s31	18n15	18n 2	20n 5			n.a.

Julian Day Number = 1112186.5, Delta T = 10h51m12s
Ecliptic obliquity = 23°53'14, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'56, Lahiri = -26°57'56 Julian Calendar 1 Jan. 1668 BCE == Greg. Calendar 18 Dec. 1669 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

FEBRUARY 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 46 44	28♉42'05	0♉50	4♉55	4♒59	2♊39	25♉42	13♎42	23♈ 0	13°R32	5♉22	9°R18	10♌ 6	24♊33	n.a.	W 1
T 2	7 50 41	29°41'42	15°51	6°21	6°14	2°44	25°56	13°42	23° 1	13♍31	5°23	9♌17	10° 3	24°40	n.a.	T 2
F 3	7 54 37	0♒41'17	0♒48	7°49	7°28	2°49	26°11	13°42	23° 2	13°30	5°25	9°17	10° 0	24°46	n.a.	F 3
S 4	7 58 34	1°40'49	15°33	9°18	8°43	2°55	26°25	13°43	23° 3	13°29	5°27	9°D16	9°57	24°53	n.a.	S 4
S 5	8 2 30	2°40'19	29°59	10°48	9°57	3° 2	26°40	13°R43	23° 4	13°28	5°28	9°17	9°54	25° 0	n.a.	S 5
M 6	8 6 27	3°39'47	14♓ 3	12°20	11°11	3° 9	26°54	13°43	23° 5	13°26	5°30	9°17	9°50	25° 6	n.a.	M 6
T 7	8 10 24	4°39'12	27°40	13°53	12°26	3°17	27° 8	13°42	23° 7	13°25	5°31	9°18	9°47	25°13	n.a.	T 7
W 8	8 14 20	5°38'35	10♈51	15°28	13°40	3°25	27°23	13°42	23° 8	13°24	5°33	9°18	9°44	25°20	n.a.	W 8
T 9	8 18 17	6°37'55	23°39	17° 4	14°55	3°34	27°37	13°42	23° 9	13°23	5°34	9°18	9°41	25°27	n.a.	T 9
F 10	8 22 13	7°37'13	6♉ 6	18°41	16° 9	3°44	27°51	13°41	23°11	13°22	5°36	9°R19	9°38	25°33	n.a.	F 10
S 11	8 26 10	8°36'28	18°17	20°19	17°23	3°54	28° 6	13°41	23°12	13°20	5°38	9°19	9°35	25°40	n.a.	S 11
S 12	8 30 6	9°35'41	0♊17	21°59	18°38	4° 5	28°20	13°40	23°13	13°19	5°39	9°D19	9°31	25°47	n.a.	S 12
M13	8 34 3	10°34'52	12°10	23°40	19°52	4°17	28°34	13°39	23°15	13°18	5°41	9°19	9°28	25°53	n.a.	M13
T 14	8 37 59	11°34'00	23°59	25°23	21° 6	4°29	28°48	13°38	23°17	13°17	5°42	9°19	9°25	26° 0	n.a.	T 14
W15	8 41 56	12°33'06	5♋49	27° 7	22°20	4°41	29° 3	13°37	23°18	13°15	5°43	9°19	9°22	26° 7	n.a.	W15
T 16	8 45 52	13°32'09	17°44	28°52	23°35	4°54	29°17	13°36	23°20	13°14	5°45	9°20	9°19	26°13	n.a.	T 16
F 17	8 49 49	14°31'10	29°46	0♒38	24°49	5° 8	29°31	13°35	23°22	13°13	5°46	9°20	9°15	26°20	n.a.	F 17
S 18	8 53 46	15°30'09	11♌57	2°26	26° 3	5°21	29°45	13°34	23°23	13°11	5°48	9°R20	9°12	26°27	n.a.	S 18
S 19	8 57 42	16°29'05	24°19	4°16	27°17	5°36	29°59	13°33	23°25	13°10	5°49	9°20	9° 9	26°33	n.a.	S 19
M20	9 1 39	17°27'59	6♍53	6° 7	28°31	5°51	0♒13	13°31	23°27	13° 8	5°51	9°19	9° 6	26°40	n.a.	M20
T 21	9 5 35	18°26'52	19°40	7°59	29°45	6° 6	0°27	13°30	23°29	13° 7	5°52	9°18	9° 3	26°47	n.a.	T 21
W22	9 9 32	19°25'42	2♎41	9°52	0♓59	6°22	0°41	13°28	23°31	13° 5	5°53	9°17	9° 0	26°53	n.a.	W22
T 23	9 13 28	20°24'30	15°57	11°47	2°14	6°38	0°55	13°26	23°33	13° 4	5°55	9°15	8°56	27° 0	n.a.	T 23
F 24	9 17 25	21°23'16	29°26	13°44	3°28	6°55	1° 9	13°24	23°35	13° 3	5°56	9°14	8°53	27° 7	n.a.	F 24
S 25	9 21 21	22°22'01	13♏10	15°42	4°42	7°12	1°23	13°23	23°37	13° 1	5°57	9°13	8°50	27°13	n.a.	S 25
S 26	9 25 18	23°20'43	27° 9	17°41	5°56	7°30	1°37	13°21	23°39	13° 0	5°59	9°D13	8°47	27°20	n.a.	S 26
M27	9 29 14	24°19'24	11♐20	19°41	7°10	7°48	1°51	13°19	23°41	12°58	6° 0	9°14	8°44	27°27	n.a.	M27
T 28	9 33 11	25♒18'03	25♐43	21♒43	8♓23	8♊ 6	2♒ 5	13♎16	23♈43	12♍56	6♉ 1	9♌15	8♌41	27♊33	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20s48	20s36	3n17	25s11	1s23	20s46	1s26	24n22	3n22	22s22	0s59	3s 9	2n34	8n44	0s24	8n27	2n 2	33s18	9s32	18n16	18n 3	20n 6		n.a.
T 2	20 36	20 50	2 6	25 13	1 29	20 27	1 26	24 22	3 20	22 20	0 59	3 8	2 34	8 45	0 24	8 28	2 2	33 18	9 32	18 16	18 3	20 7		n.a.
F 3	20 23	19 36	0 47	25 13	1 34	20 8	1 26	24 22	3 19	22 17	0 59	3 8	2 35	8 45	0 23	8 28	2 2	33 18	9 32	18 16	18 4	20 8		n.a.
S 4	20 9	17 2	0s35	25 12	1 39	19 48	1 26	24 22	3 18	22 14	1 0	3 8	2 35	8 46	0 23	8 29	2 2	33 18	9 32	18 16	18 5	20 9		n.a.
S 5	19 56	13 26	1 53	25 10	1 44	19 27	1 25	24 22	3 17	22 11	1 0	3 8	2 35	8 46	0 23	8 29	2 2	33 18	9 32	18 16	18 6	20 9		n.a.
M 6	19 42	9 10	3 1	25 6	1 48	19 6	1 25	24 22	3 15	22 9	1 0	3 8	2 35	8 47	0 23	8 30	2 2	33 18	9 32	18 16	18 7	20 10		n.a.
T 7	19 27	4 34	3 58	25 1	1 52	18 45	1 25	24 22	3 14	22 6	1 0	3 7	2 35	8 47	0 23	8 30	2 2	33 18	9 33	18 16	18 8	20 11		n.a.
W 8	19 13	0n 6	4 39	24 53	1 56	18 23	1 24	24 23	3 13	22 3	1 0	3 7	2 36	8 48	0 23	8 31	2 2	33 18	9 33	18 16	18 9	20 12		n.a.
T 9	18 58	4 37	5 6	24 45	1 59	18 0	1 24	24 23	3 11	22 0	1 0	3 7	2 36	8 48	0 23	8 31	2 2	33 18	9 33	18 16	18 10	20 13		n.a.
F 10	18 42	8 49	5 17	24 34	2 2	17 37	1 24	24 24	3 10	21 58	1 0	3 6	2 36	8 49	0 23	8 32	2 2	33 18	9 33	18 16	18 10	20 14		n.a.
S 11	18 27	12 34	5 14	24 21	2 4	17 14	1 23	24 25	3 9	21 55	1 0	3 6	2 36	8 49	0 23	8 32	2 2	33 19	9 33	18 16	18 11	20 15		n.a.
S 12	18 11	15 45	4 57	24 7	2 6	16 50	1 22	24 26	3 8	21 52	1 0	3 5	2 37	8 50	0 23	8 33	2 2	33 19	9 33	18 16	18 12	20 15		n.a.
M13	17 55	18 16	4 27	23 51	2 7	16 25	1 22	24 27	3 6	21 49	1 0	3 5	2 37	8 50	0 23	8 33	2 2	33 19	9 34	18 16	18 13	20 16		n.a.
T 14	17 38	19 59	3 46	23 33	2 8	16 0	1 21	24 28	3 5	21 46	1 0	3 4	2 37	8 51	0 23	8 34	2 2	33 19	9 34	18 15	18 14	20 17		n.a.
W15	17 21	20 50	2 56	23 13	2 8	15 35	1 20	24 29	3 4	21 43	1 1	3 4	2 37	8 52	0 23	8 35	2 2	33 19	9 34	18 15	18 15	20 18		n.a.
T 16	17 4	20 45	1 57	22 52	2 8	15 9	1 19	24 30	3 2	21 40	1 1	3 3	2 37	8 52	0 23	8 35	2 2	33 19	9 34	18 15	18 16	20 19		n.a.
F 17	16 47	19 43	0 53	22 28	2 8	14 43	1 18	24 31	3 1	21 37	1 1	3 3	2 38	8 53	0 23	8 36	2 2	33 19	9 34	18 15	18 16	20 20		n.a.
S 18	16 29	17 46	0n15	22 2	2 7	14 17	1 17	24 33	3 0	21 34	1 1	3 2	2 38	8 54	0 23	8 36	2 2	33 19	9 35	18 15	18 17	20 20		n.a.
S 19	16 11	14 57	1 22	21 34	2 5	13 50	1 16	24 34	2 59	21 32	1 1	3 1	2 38	8 54	0 23	8 37	2 2	33 20	9 35	18 15	18 18	20 21		n.a.
M20	15 53	11 25	2 27	21 5	2 3	13 23	1 15	24 36	2 57	21 29	1 1	3 0	2 38	8 55	0 23	8 37	2 3	33 20	9 35	18 15	18 19	20 22		n.a.
T 21	15 35	7 18	3 26	20 33	2 0	12 55	1 14	24 37	2 56	21 26	1 1	3 0	2 39	8 56	0 23	8 38	2 3	33 20	9 35	18 16	18 20	20 23		n.a.
W22	15 16	2 47	4 15	19 59	1 57	12 27	1 13	24 39	2 55	21 23	1 1	2 59	2 39	8 57	0 23	8 39	2 3	33 20	9 35	18 16	18 21	20 24		n.a.
T 23	14 57	1s55	4 51	19 23	1 53	11 59	1 12	24 40	2 54	21 20	1 1	2 58	2 39	8 57	0 23	8 39	2 3	33 20	9 36	18 16	18 22	20 25		n.a.
F 24	14 38	6 37	5 12	18 45	1 49	11 31	1 10	24 42	2 52	21 17	1 2	2 57	2 39	8 58	0 23	8 40	2 3	33 20	9 36	18 17	18 22	20 25		n.a.
S 25	14 19	11 4	5 16	18 5	1 44	11 2	1 9	24 44	2 51	21 14	1 2	2 56	2 39	8 59	0 23	8 41	2 3	33 21	9 36	18 17	18 23	20 26		n.a.
S 26	13 59	15 0	5 1	17 23	1 39	10 33	1 7	24 46	2 50	21 11	1 2	2 55	2 40	9 0	0 23	8 41	2 3	33 21	9 36	18 17	18 24	20 27		n.a.
M27	13 40	18 8	4 28	16 39	1 33	10 4	1 6	24 48	2 49	21 8	1 2	2 54	2 40	9 1	0 23	8 42	2 3	33 21	9 37	18 17	18 25	20 28		n.a.
T 28	13s20	20s11	3n38	15s53	1s26	9s34	1s 4	24n49	2n48	21s 4	1s 2	2s53	2n40	9n 1	0s23	8n42	2n 3	33s21	9s37	18n17	18n26	20n29		n.a.

Julian Day Number = 1112217.5, Delta T = 10h51m10s
Ecliptic obliquity = 23°53'14, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'52, Lahiri = -26°57'52 Julian Calendar 1 Feb. 1668 BCE == Greg. Calendar 18 Jan. 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

MARCH 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 37 8	26♒16'41	10♉14	23♒46	9♓37	8♊25	2♒18	13°R14	23♈45	12°R55	6♑ 2	9♌16	8♌37	27♊40	n.a.	W 1
T 2	9 41 4	27°15'16	24°49	25°50	10°51	8°44	2°32	13♎12	23°48	12♍53	6° 3	9°17	8°34	27°47	n.a.	T 2
F 3	9 45 1	28°13'49	9♒22	27°55	12° 5	9° 4	2°46	13° 9	23°50	12°52	6° 5	9°R17	8°31	27°54	n.a.	F 3
S 4	9 48 57	29°12'21	23°49	0♓ 1	13°19	9°24	2°59	13° 7	23°52	12°50	6° 6	9°17	8°28	28° 0	n.a.	S 4
S 5	9 52 54	0♓10'50	8♓ 3	2° 7	14°33	9°44	3°13	13° 4	23°55	12°49	6° 7	9°15	8°25	28° 7	n.a.	S 5
M 6	9 56 50	1° 9'18	21°59	4°14	15°47	10° 5	3°27	13° 2	23°57	12°47	6° 8	9°13	8°21	28°14	n.a.	M 6
T 7	10 0 47	2° 7'43	5♈35	6°21	17° 1	10°26	3°40	12°59	24° 0	12°46	6° 9	9°10	8°18	28°20	n.a.	T 7
W 8	10 4 43	3° 6'06	18°48	8°28	18°14	10°47	3°54	12°56	24° 2	12°44	6°10	9° 6	8°15	28°27	n.a.	W 8
T 9	10 8 40	4° 4'26	1♉39	10°35	19°28	11° 9	4° 7	12°53	24° 5	12°42	6°11	9° 3	8°12	28°34	n.a.	T 9
F 10	10 12 36	5° 2'45	14° 9	12°41	20°42	11°31	4°20	12°50	24° 7	12°41	6°12	9° 0	8° 9	28°40	n.a.	F 10
S 11	10 16 33	6° 1'01	26°23	14°46	21°55	11°53	4°34	12°47	24°10	12°39	6°13	8°58	8° 6	28°47	n.a.	S 11
S 12	10 20 30	6°59'16	8♊24	16°50	23° 9	12°16	4°47	12°44	24°12	12°37	6°14	8°D58	8° 2	28°54	n.a.	S 12
M13	10 24 26	7°57'28	20°17	18°52	24°23	12°39	5° 0	12°41	24°15	12°36	6°15	8°59	7°59	29° 0	n.a.	M13
T 14	10 28 23	8°55'37	2♋ 7	20°53	25°36	13° 2	5°13	12°38	24°18	12°34	6°16	9° 0	7°56	29° 7	n.a.	T 14
W15	10 32 19	9°53'45	13°59	22°51	26°50	13°25	5°26	12°35	24°21	12°33	6°17	9° 2	7°53	29°14	n.a.	W15
T 16	10 36 16	10°51'51	25°57	24°47	28° 3	13°49	5°39	12°31	24°23	12°31	6°18	9° 3	7°50	29°20	n.a.	T 16
F 17	10 40 12	11°49'54	8♌ 5	26°40	29°17	14°13	5°52	12°28	24°26	12°29	6°19	9°R 4	7°46	29°27	n.a.	F 17
S 18	10 44 9	12°47'56	20°26	28°30	0♈30	14°38	6° 5	12°24	24°29	12°28	6°20	9° 4	7°43	29°34	n.a.	S 18
S 19	10 48 5	13°45'56	3♍ 3	0♈17	1°44	15° 2	6°18	12°21	24°32	12°26	6°21	9° 1	7°40	29°40	n.a.	S 19
M20	10 52 2	14°43'53	15°56	2° 1	2°57	15°27	6°31	12°17	24°35	12°24	6°22	8°58	7°37	29°47	n.a.	M20
T 21	10 55 58	15°41'49	29° 6	3°41	4°11	15°52	6°44	12°13	24°38	12°23	6°22	8°52	7°34	29°54	n.a.	T 21
W22	10 59 55	16°39'43	12♎32	5°18	5°24	16°17	6°56	12°10	24°41	12°21	6°23	8°46	7°31	0♋ 0	n.a.	W22
T 23	11 3 52	17°37'36	26°11	6°50	6°37	16°43	7° 9	12° 6	24°43	12°20	6°24	8°40	7°27	0° 7	n.a.	T 23
F 24	11 7 48	18°35'27	10♏ 1	8°19	7°51	17° 9	7°21	12° 2	24°46	12°18	6°25	8°35	7°24	0°14	n.a.	F 24
S 25	11 11 45	19°33'17	23°59	9°44	9° 4	17°35	7°34	11°58	24°50	12°16	6°25	8°31	7°21	0°20	n.a.	S 25
S 26	11 15 41	20°31'05	8♐ 4	11° 5	10°17	18° 1	7°46	11°54	24°53	12°15	6°26	8°28	7°18	0°27	n.a.	S 26
M27	11 19 38	21°28'53	22°13	12°22	11°31	18°28	7°59	11°50	24°56	12°13	6°27	8°D28	7°15	0°34	n.a.	M27
T 28	11 23 34	22°26'38	6♑24	13°34	12°44	18°55	8°11	11°46	24°59	12°11	6°27	8°28	7°12	0°40	n.a.	T 28
W29	11 27 31	23°24'23	20°35	14°43	13°57	19°22	8°23	11°42	25° 2	12°10	6°28	8°29	7° 8	0°47	n.a.	W29
T 30	11 31 27	24°22'06	4♒46	15°47	15°10	19°49	8°35	11°38	25° 5	12° 8	6°29	8°R30	7° 5	0°54	n.a.	T 30
F 31	11 35 24	25♓19'48	18♒53	16♈46	16♈23	20♊16	8♒47	11♎34	25♈ 8	12♍ 7	6♑29	8♌30	7♌ 2	1♋ 0	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	12s59	20s56	2n34	15s 5	1s19	9s 4	1s 3	24n51	2n46	21s 1	1s 2	2s52	2n40	9n 2	0s23	8n43	2n 3	33s21	9s37	18n16	18n27	20n29			n.a.
T 2	12 39	20 16	1 19	14 16	1 12	8 34	1 1	24 53	2 45	20 58	1 2	2 51	2 40	9 3	0 23	8 44	2 3	33 21	9 37	18 16	18 27	20 30			n.a.
F 3	12 19	18 15	0s 0	13 25	1 4	8 4	0 59	24 55	2 44	20 55	1 3	2 50	2 40	9 4	0 23	8 44	2 3	33 22	9 38	18 16	18 28	20 31			n.a.
S 4	11 58	15 5	1 19	12 32	0 55	7 34	0 58	24 57	2 43	20 52	1 3	2 49	2 41	9 5	0 23	8 45	2 3	33 22	9 38	18 16	18 29	20 32			n.a.
S 5	11 37	11 3	2 32	11 37	0 46	7 3	0 56	24 59	2 42	20 49	1 3	2 48	2 41	9 6	0 23	8 46	2 3	33 22	9 38	18 16	18 30	20 32			n.a.
M 6	11 16	6 30	3 34	10 42	0 36	6 32	0 54	25 1	2 40	20 46	1 3	2 46	2 41	9 7	0 23	8 46	2 3	33 22	9 38	18 17	18 31	20 33			n.a.
T 7	10 55	1 45	4 22	9 45	0 26	6 1	0 52	25 3	2 39	20 43	1 3	2 45	2 41	9 8	0 23	8 47	2 3	33 22	9 39	18 18	18 32	20 34			n.a.
W 8	10 33	2n58	4 55	8 47	0 16	5 30	0 50	25 5	2 38	20 40	1 3	2 44	2 41	9 9	0 23	8 47	2 3	33 23	9 39	18 19	18 33	20 35			n.a.
T 9	10 12	7 24	5 12	7 49	0 5	4 59	0 48	25 7	2 37	20 37	1 3	2 43	2 41	9 10	0 23	8 48	2 3	33 23	9 39	18 20	18 33	20 36			n.a.
F 10	9 50	11 24	5 13	6 50	0n 6	4 27	0 46	25 9	2 36	20 34	1 4	2 41	2 42	9 11	0 23	8 49	2 3	33 23	9 39	18 21	18 34	20 36			n.a.
S 11	9 28	14 51	5 0	5 51	0 17	3 56	0 44	25 11	2 35	20 31	1 4	2 40	2 42	9 12	0 23	8 49	2 3	33 23	9 40	18 21	18 35	20 37			n.a.
S 12	9 7	17 37	4 34	4 52	0 28	3 24	0 42	25 13	2 34	20 27	1 4	2 39	2 42	9 13	0 23	8 50	2 3	33 23	9 40	18 21	18 36	20 38			n.a.
M13	8 44	19 36	3 56	3 53	0 39	2 53	0 40	25 15	2 32	20 24	1 4	2 37	2 42	9 14	0 22	8 51	2 3	33 24	9 40	18 21	18 37	20 39			n.a.
T 14	8 22	20 43	3 9	2 55	0 50	2 21	0 38	25 17	2 31	20 21	1 4	2 36	2 42	9 15	0 22	8 51	2 3	33 24	9 41	18 21	18 38	20 39			n.a.
W15	8 0	20 56	2 13	1 57	1 1	1 49	0 35	25 19	2 30	20 18	1 4	2 34	2 42	9 16	0 22	8 52	2 3	33 24	9 41	18 20	18 38	20 40			n.a.
T 16	7 38	20 11	1 11	1 0	1 12	1 17	0 33	25 21	2 29	20 15	1 5	2 33	2 42	9 17	0 22	8 53	2 3	33 24	9 41	18 20	18 39	20 41			n.a.
F 17	7 15	18 30	0 5	0 5	1 23	0 46	0 31	25 23	2 28	20 12	1 5	2 32	2 43	9 18	0 22	8 53	2 3	33 25	9 41	18 19	18 40	20 41			n.a.
S 18	6 53	15 55	1n 2	0n49	1 33	0 14	0 28	25 25	2 27	20 9	1 5	2 30	2 43	9 19	0 22	8 54	2 3	33 25	9 42	18 20	18 41	20 42			n.a.
S 19	6 30	12 33	2 7	1 41	1 43	0n18	0 26	25 27	2 26	20 6	1 5	2 29	2 43	9 20	0 22	8 55	2 3	33 25	9 42	18 20	18 42	20 43			n.a.
M20	6 7	8 31	3 8	2 32	1 52	0 50	0 24	25 28	2 25	20 3	1 5	2 27	2 43	9 21	0 22	8 55	2 3	33 25	9 42	18 21	18 43	20 44			n.a.
T 21	5 44	4 0	3 59	3 20	2 1	1 22	0 21	25 30	2 24	19 59	1 5	2 25	2 43	9 22	0 22	8 56	2 3	33 26	9 43	18 23	18 43	20 44			n.a.
W22	5 22	0s47	4 38	4 7	2 9	1 54	0 19	25 32	2 23	19 56	1 6	2 24	2 43	9 23	0 22	8 56	2 3	33 26	9 43	18 24	18 44	20 45			n.a.
T 23	4 59	5 36	5 3	4 51	2 17	2 26	0 16	25 33	2 22	19 53	1 6	2 22	2 43	9 24	0 22	8 57	2 3	33 26	9 43	18 26	18 45	20 46			n.a.
F 24	4 36	10 12	5 10	5 33	2 23	2 58	0 14	25 35	2 21	19 50	1 6	2 21	2 43	9 26	0 22	8 58	2 3	33 26	9 43	18 27	18 46	20 46			n.a.
S 25	4 13	14 18	4 59	6 13	2 30	3 29	0 11	25 37	2 20	19 47	1 6	2 19	2 43	9 27	0 22	8 58	2 3	33 27	9 44	18 28	18 47	20 47			n.a.
S 26	3 49	17 37	4 30	6 50	2 35	4 1	0 9	25 38	2 18	19 44	1 6	2 17	2 44	9 28	0 22	8 59	2 3	33 27	9 44	18 29	18 48	20 48			n.a.
M27	3 26	19 55	3 44	7 25	2 40	4 32	0 6	25 39	2 17	19 41	1 6	2 16	2 44	9 29	0 22	9 0	2 3	33 27	9 44	18 29	18 48	20 48			n.a.
T 28	3 3	20 59	2 45	7 57	2 43	5 4	0 4	25 41	2 16	19 38	1 7	2 14	2 44	9 30	0 22	9 0	2 3	33 27	9 45	18 29	18 49	20 49			n.a.
W29	2 40	20 42	1 36	8 27	2 46	5 35	0 1	25 42	2 15	19 35	1 7	2 13	2 44	9 31	0 22	9 1	2 3	33 28	9 45	18 29	18 50	20 50			n.a.
T 30	2 17	19 6	0 20	8 54	2 48	6 6	0n 2	25 43	2 14	19 32	1 7	2 11	2 44	9 33	0 22	9 1	2 3	33 28	9 45	18 28	18 51	20 50			n.a.
F 31	1s53	16s20	0s56	9n19	2n49	6n38	0n 4	25n44	2n13	19s29	1s 7	2s 9	2n44	9n34	0s22	9n 2	2n 3	33s28	9s45	18n29	18n52	20n51			n.a.

Julian Day Number = 1112245.5, Delta T = 10h51m08s
Ecliptic obliquity = 23°53'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'48, Lahiri = -26°57'48 Julian Calendar 1 March 1668 BCE == Greg. Calendar 15 Feb. 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

APRIL 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 39 21	26♓17'29	2♓53	17♈42	17♈36	20♊44	8♒59	11°R30	25♈11	12°R 5	6♑30	8°R28	6♌59	1♋ 7	n.a.	S 1
S 2	11 43 17	27°15'08	16°44	18°32	18°49	21°12	9°11	11♎26	25°15	12♍ 4	6°30	8♌23	6°56	1°14	n.a.	S 2
M 3	11 47 14	28°12'46	0♈23	19°19	20° 2	21°40	9°23	11°22	25°18	12° 2	6°31	8°16	6°52	1°20	n.a.	M 3
T 4	11 51 10	29°10'22	13°45	20° 0	21°16	22° 8	9°34	11°17	25°21	12° 0	6°31	8° 8	6°49	1°27	n.a.	T 4
W 5	11 55 7	0♈ 7'57	26°50	20°37	22°28	22°37	9°46	11°13	25°24	11°59	6°32	7°59	6°46	1°34	n.a.	W 5
T 6	11 59 3	1° 5'30	9♉36	21° 9	23°41	23° 5	9°58	11° 9	25°28	11°57	6°32	7°50	6°43	1°40	n.a.	T 6
F 7	12 3 0	2° 3'02	22° 5	21°37	24°54	23°34	10° 9	11° 5	25°31	11°56	6°32	7°43	6°40	1°47	n.a.	F 7
S 8	12 6 56	3° 0'33	4♊18	21°59	26° 7	24° 3	10°20	11° 0	25°34	11°54	6°33	7°37	6°37	1°54	n.a.	S 8
S 9	12 10 53	3°58'01	16°19	22°17	27°20	24°32	10°32	10°56	25°38	11°53	6°33	7°33	6°33	2° 0	n.a.	S 9
M10	12 14 49	4°55'29	28°12	22°30	28°33	25° 2	10°43	10°51	25°41	11°51	6°33	7°31	6°30	2° 7	n.a.	M10
T 11	12 18 46	5°52'55	10♋ 1	22°38	29°46	25°31	10°54	10°47	25°44	11°50	6°34	7°D31	6°27	2°14	n.a.	T 11
W12	12 22 43	6°50'19	21°53	22°R41	0♉59	26° 1	11° 5	10°43	25°48	11°48	6°34	7°32	6°24	2°20	n.a.	W12
T 13	12 26 39	7°47'42	3♌53	22°40	2°11	26°31	11°16	10°38	25°51	11°47	6°34	7°R33	6°21	2°27	n.a.	T 13
F 14	12 30 36	8°45'04	16° 4	22°34	3°24	27° 1	11°26	10°34	25°55	11°46	6°34	7°32	6°18	2°34	n.a.	F 14
S 15	12 34 32	9°42'24	28°33	22°24	4°37	27°31	11°37	10°29	25°58	11°44	6°35	7°30	6°14	2°41	n.a.	S 15
S 16	12 38 29	10°39'43	11♍21	22°10	5°49	28° 1	11°48	10°25	26° 1	11°43	6°35	7°26	6°11	2°47	n.a.	S 16
M17	12 42 25	11°37'01	24°31	21°51	7° 2	28°32	11°58	10°21	26° 5	11°41	6°35	7°19	6° 8	2°54	n.a.	M17
T 18	12 46 22	12°34'17	8♎ 2	21°30	8°14	29° 2	12° 8	10°16	26° 8	11°40	6°35	7°10	6° 5	3° 1	n.a.	T 18
W19	12 50 18	13°31'33	21°52	21° 5	9°27	29°33	12°19	10°12	26°12	11°39	6°35	7° 0	6° 2	3° 7	n.a.	W19
T 20	12 54 15	14°28'48	5♏58	20°37	10°39	0♋ 4	12°29	10° 7	26°15	11°37	6°35	6°50	5°58	3°14	n.a.	T 20
F 21	12 58 12	15°26'02	20°14	20° 7	11°52	0°35	12°39	10° 3	26°19	11°36	6°35	6°40	5°55	3°21	n.a.	F 21
S 22	13 2 8	16°23'15	4♐35	19°35	13° 4	1° 7	12°49	9°59	26°22	11°35	6°R35	6°33	5°52	3°27	n.a.	S 22
S 23	13 6 5	17°20'28	18°56	19° 3	14°16	1°38	12°59	9°54	26°26	11°34	6°35	6°28	5°49	3°34	n.a.	S 23
M24	13 10 1	18°17'40	3♑13	18°29	15°29	2°10	13° 8	9°50	26°29	11°32	6°35	6°25	5°46	3°41	n.a.	M24
T 25	13 13 58	19°14'52	17°24	17°55	16°41	2°41	13°18	9°46	26°33	11°31	6°35	6°D24	5°43	3°47	n.a.	T 25
W26	13 17 54	20°12'03	1♒27	17°22	17°53	3°13	13°27	9°41	26°36	11°30	6°35	6°R24	5°39	3°54	n.a.	W26
T 27	13 21 51	21° 9'14	15°21	16°50	19° 6	3°45	13°37	9°37	26°40	11°29	6°35	6°24	5°36	4° 1	n.a.	T 27
F 28	13 25 47	22° 6'24	29° 7	16°20	20°18	4°17	13°46	9°33	26°44	11°28	6°35	6°23	5°33	4° 7	n.a.	F 28
S 29	13 29 44	23° 3'34	12♓44	15°52	21°30	4°49	13°55	9°29	26°47	11°27	6°34	6°19	5°30	4°14	n.a.	S 29
S 30	13 33 41	24♈ 0'43	26♓10	15♈26	22♉42	5♋22	14♒ 4	9♎24	26♈51	11♍25	6♑34	6♌12	5♌27	4♋21	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s30	12s37	2s 8	9n40	2n50	7n 9	0n 7	25n45	2n12	19s26	1s 7	2s 7	2n44	9n35	0s22	9n 3	2n 3	33s28	9s46	18n29	18n52	20n52		n.a.
S 2	1 7	8 15	3 11	9 59	2 49	7 39	0 10	25 46	2 11	19 23	1 8	2 6	2 44	9 36	0 22	9 3	2 3	33 29	9 46	18 30	18 53	20 52		n.a.
M 3	0 43	3 33	4 3	10 16	2 47	8 10	0 12	25 47	2 10	19 20	1 8	2 4	2 44	9 37	0 22	9 4	2 3	33 29	9 46	18 32	18 54	20 53		n.a.
T 4	0 20	1n15	4 39	10 29	2 44	8 40	0 15	25 48	2 9	19 17	1 8	2 2	2 44	9 39	0 22	9 4	2 3	33 29	9 47	18 34	18 55	20 54		n.a.
W 5	0n 3	5 52	5 1	10 40	2 41	9 11	0 18	25 49	2 8	19 14	1 8	2 1	2 44	9 40	0 22	9 5	2 3	33 30	9 47	18 37	18 56	20 54		n.a.
T 6	0 27	10 7	5 6	10 48	2 36	9 41	0 20	25 49	2 7	19 11	1 9	1 59	2 44	9 41	0 22	9 6	2 3	33 30	9 47	18 39	18 57	20 55		n.a.
F 7	0 50	13 51	4 57	10 53	2 30	10 10	0 23	25 50	2 6	19 8	1 9	1 57	2 44	9 42	0 22	9 6	2 3	33 30	9 48	18 41	18 57	20 56		n.a.
S 8	1 13	16 55	4 34	10 55	2 23	10 40	0 26	25 50	2 6	19 5	1 9	1 55	2 44	9 44	0 22	9 7	2 3	33 30	9 48	18 43	18 58	20 56		n.a.
S 9	1 36	19 12	4 0	10 55	2 15	11 9	0 28	25 51	2 5	19 2	1 9	1 54	2 44	9 45	0 22	9 7	2 3	33 31	9 48	18 44	18 59	20 57		n.a.
M10	2 0	20 38	3 15	10 52	2 6	11 38	0 31	25 51	2 4	18 59	1 9	1 52	2 44	9 46	0 22	9 8	2 3	33 31	9 49	18 44	19 0	20 58		n.a.
T 11	2 23	21 8	2 22	10 45	1 56	12 7	0 33	25 51	2 3	18 56	1 10	1 50	2 44	9 47	0 22	9 8	2 3	33 31	9 49	18 44	19 1	20 58		n.a.
W12	2 46	20 42	1 23	10 37	1 45	12 35	0 36	25 51	2 2	18 53	1 10	1 48	2 44	9 49	0 22	9 9	2 3	33 32	9 49	18 44	19 1	20 59		n.a.
T 13	3 9	19 20	0 20	10 25	1 33	13 4	0 39	25 51	2 1	18 51	1 10	1 47	2 44	9 50	0 22	9 9	2 3	33 32	9 50	18 44	19 2	20 59		n.a.
F 14	3 32	17 2	0n46	10 11	1 20	13 32	0 41	25 51	2 0	18 48	1 10	1 45	2 44	9 51	0 22	9 10	2 3	33 32	9 50	18 44	19 3	21 0		n.a.
S 15	3 55	13 55	1 50	9 54	1 7	13 59	0 44	25 51	1 59	18 45	1 11	1 43	2 44	9 52	0 22	9 11	2 3	33 33	9 50	18 44	19 4	21 1		n.a.
S 16	4 18	10 3	2 50	9 35	0 52	14 26	0 46	25 50	1 58	18 42	1 11	1 41	2 44	9 54	0 22	9 11	2 3	33 33	9 50	18 45	19 5	21 1		n.a.
M17	4 41	5 37	3 43	9 14	0 37	14 53	0 49	25 50	1 57	18 39	1 11	1 40	2 44	9 55	0 22	9 12	2 3	33 33	9 51	18 47	19 5	21 2		n.a.
T 18	5 3	0 48	4 25	8 51	0 21	15 20	0 52	25 49	1 56	18 37	1 11	1 38	2 44	9 56	0 22	9 12	2 3	33 33	9 51	18 49	19 6	21 2		n.a.
W19	5 26	4s10	4 52	8 27	0 5	15 46	0 54	25 48	1 55	18 34	1 11	1 36	2 44	9 58	0 22	9 13	2 3	33 34	9 51	18 52	19 7	21 3		n.a.
T 20	5 49	9 0	5 3	8 1	0s12	16 11	0 57	25 48	1 54	18 31	1 12	1 35	2 44	9 59	0 22	9 13	2 3	33 34	9 52	18 55	19 8	21 4		n.a.
F 21	6 11	13 24	4 54	7 34	0 29	16 37	0 59	25 47	1 53	18 29	1 12	1 33	2 44	10 0	0 22	9 14	2 3	33 34	9 52	18 57	19 9	21 4		n.a.
S 22	6 34	17 4	4 28	7 6	0 46	17 2	1 2	25 46	1 53	18 26	1 12	1 31	2 44	10 1	0 22	9 14	2 3	33 35	9 52	18 59	19 9	21 5		n.a.
S 23	6 56	19 42	3 44	6 38	1 3	17 26	1 4	25 44	1 52	18 23	1 12	1 30	2 44	10 3	0 22	9 14	2 2	33 35	9 53	19 0	19 10	21 5		n.a.
M24	7 18	21 4	2 47	6 9	1 20	17 50	1 6	25 43	1 51	18 21	1 13	1 28	2 44	10 4	0 22	9 15	2 2	33 35	9 53	19 1	19 11	21 6		n.a.
T 25	7 40	21 6	1 39	5 41	1 36	18 14	1 9	25 41	1 50	18 18	1 13	1 26	2 44	10 5	0 22	9 15	2 2	33 36	9 53	19 1	19 12	21 6		n.a.
W26	8 2	19 47	0 26	5 14	1 52	18 37	1 11	25 40	1 49	18 16	1 13	1 25	2 44	10 7	0 22	9 16	2 2	33 36	9 54	19 1	19 13	21 7		n.a.
T 27	8 24	17 17	0s47	4 48	2 7	19 0	1 13	25 38	1 48	18 13	1 14	1 23	2 43	10 8	0 22	9 16	2 2	33 36	9 54	19 1	19 13	21 8		n.a.
F 28	8 46	13 49	1 57	4 23	2 21	19 22	1 15	25 36	1 47	18 11	1 14	1 21	2 43	10 9	0 22	9 17	2 2	33 37	9 54	19 2	19 14	21 8		n.a.
S 29	9 8	9 40	3 0	3 59	2 34	19 43	1 18	25 34	1 46	18 8	1 14	1 20	2 43	10 11	0 22	9 17	2 2	33 37	9 54	19 3	19 15	21 9		n.a.
S 30	9n29	5s 4	3s51	3n38	2s47	20n 5	1n20	25n32	1n45	18s 6	1s14	1s18	2n43	10n12	0s22	9n17	2n 2	33s37	9s55	19n 4	19n16	21n 9		n.a.

Julian Day Number = 1112276.5, Delta T = 10h51m06s
Ecliptic obliquity = 23°53'16, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'44, Lahiri = -26°57'44 Julian Calendar 1 Apr. 1668 BCE == Greg. Calendar 18 March 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

MAY 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 37 37	24♈57'52	9♈26	15°R 3	23♉54	5♋54	14♒13	9°R20	26♈54	11°R24	6°R34	6°R 2	5♌23	4♋27	n.a.	M 1
T 2	13 41 34	25°55'01	22°29	14♈44	25° 6	6°27	14°22	9♎16	26°58	11♏23	6♑34	5♌51	5°20	4°34	n.a.	T 2
W 3	13 45 30	26°52'09	5♉18	14°28	26°18	7° 0	14°30	9°12	27° 1	11°22	6°34	5°38	5°17	4°41	n.a.	W 3
T 4	13 49 27	27°49'16	17°53	14°17	27°30	7°32	14°39	9° 8	27° 5	11°21	6°33	5°25	5°14	4°47	n.a.	T 4
F 5	13 53 23	28°46'23	0♊14	14°10	28°42	8° 5	14°47	9° 4	27° 8	11°20	6°33	5°14	5°11	4°54	n.a.	F 5
S 6	13 57 20	29°43'29	12°22	14°D 7	29°54	8°38	14°55	9° 0	27°12	11°19	6°33	5° 5	5° 8	5° 1	n.a.	S 6
S 7	14 1 17	0♉40'35	24°19	14° 8	1♊ 6	9°12	15° 3	8°56	27°15	11°18	6°32	4°58	5° 4	5° 7	n.a.	S 7
M 8	14 5 13	1°37'41	6♋10	14°14	2°18	9°45	15°11	8°52	27°19	11°17	6°32	4°54	5° 1	5°14	n.a.	M 8
T 9	14 9 10	2°34'45	17°59	14°25	3°30	10°19	15°19	8°48	27°23	11°17	6°31	4°52	4°58	5°21	n.a.	T 9
W10	14 13 6	3°31'50	29°49	14°40	4°41	10°52	15°27	8°44	27°26	11°16	6°31	4°51	4°55	5°27	n.a.	W10
T 11	14 17 3	4°28'53	11♌48	15° 0	5°53	11°26	15°34	8°41	27°30	11°15	6°30	4°51	4°52	5°34	n.a.	T 11
F 12	14 20 59	5°25'56	24° 0	15°25	7° 5	12° 0	15°41	8°37	27°33	11°14	6°30	4°51	4°49	5°41	n.a.	F 12
S 13	14 24 56	6°22'59	6♍31	15°54	8°16	12°34	15°49	8°33	27°37	11°13	6°30	4°48	4°45	5°47	n.a.	S 13
S 14	14 28 52	7°20'01	19°24	16°28	9°28	13° 8	15°56	8°30	27°40	11°13	6°29	4°44	4°42	5°54	n.a.	S 14
M15	14 32 49	8°17'03	2♎42	17° 7	10°39	13°42	16° 3	8°26	27°44	11°12	6°28	4°36	4°39	6° 0	n.a.	M15
T 16	14 36 46	9°14'05	16°27	17°49	11°51	14°16	16° 9	8°23	27°47	11°11	6°28	4°27	4°36	6° 7	n.a.	T 16
W17	14 40 42	10°11'06	0♏35	18°37	13° 2	14°50	16°16	8°19	27°51	11°10	6°27	4°16	4°33	6°14	n.a.	W17
T 18	14 44 39	11° 8'08	15° 3	19°28	14°13	15°25	16°22	8°16	27°54	11°10	6°27	4° 5	4°29	6°20	n.a.	T 18
F 19	14 48 35	12° 5'09	29°44	20°24	15°25	15°59	16°29	8°13	27°58	11° 9	6°26	3°55	4°26	6°27	n.a.	F 19
S 20	14 52 32	13° 2'11	14♐30	21°24	16°36	16°34	16°35	8° 9	28° 1	11° 9	6°25	3°46	4°23	6°34	n.a.	S 20
S 21	14 56 28	13°59'13	29°13	22°28	17°47	17° 9	16°41	8° 6	28° 5	11° 8	6°25	3°40	4°20	6°40	n.a.	S 21
M22	15 0 25	14°56'16	13♑47	23°37	18°58	17°44	16°47	8° 3	28° 8	11° 8	6°24	3°37	4°17	6°47	n.a.	M22
T 23	15 4 22	15°53'19	28° 8	24°49	20° 9	18°19	16°52	8° 0	28°11	11° 7	6°23	3°D36	4°14	6°54	n.a.	T 23
W24	15 8 18	16°50'22	12♒14	26° 5	21°20	18°54	16°58	7°57	28°15	11° 7	6°22	3°R36	4°10	7° 0	n.a.	W24
T 25	15 12 15	17°47'26	26° 3	27°26	22°31	19°29	17° 3	7°54	28°18	11° 6	6°22	3°36	4° 7	7° 7	n.a.	T 25
F 26	15 16 11	18°44'30	9♓38	28°50	23°42	20° 4	17° 9	7°51	28°22	11° 6	6°21	3°35	4° 4	7°14	n.a.	F 26
S 27	15 20 8	19°41'35	22°58	0♉18	24°53	20°40	17°14	7°49	28°25	11° 5	6°20	3°31	4° 1	7°20	n.a.	S 27
S 28	15 24 4	20°38'40	6♈ 5	1°50	26° 4	21°15	17°18	7°46	28°28	11° 5	6°19	3°24	3°58	7°27	n.a.	S 28
M29	15 28 1	21°35'46	19° 0	3°25	27°15	21°51	17°23	7°43	28°32	11° 5	6°18	3°16	3°54	7°34	n.a.	M29
T 30	15 31 57	22°32'53	1♉44	5° 4	28°26	22°26	17°28	7°41	28°35	11° 5	6°18	3° 5	3°51	7°40	n.a.	T 30
W31	15 35 54	23♉30'00	14♉15	6♉46	29♊36	23♋ 2	17♒32	7♎38	28♈38	11♏ 4	6♑17	2♌53	3♌48	7♋47	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	9n50	0s19	4s29	3n19	2s58	20n25	1n22	25n30	1n45	18s 4	1s15	1s17	2n43	10n13	0s22	9n18	2n 2	33s38	9s55	19n 7	19n17	21n10			n.a.
T 2	10 12	4n23	4 53	3 2	3 8	20 45	1 24	25 27	1 44	18 1	1 15	1 15	2 43	10 15	0 22	9 18	2 2	33 38	9 55	19 10	19 17	21 10			n.a.
W 3	10 33	8 49	5 1	2 47	3 17	21 5	1 26	25 25	1 43	17 59	1 15	1 13	2 43	10 16	0 22	9 18	2 2	33 38	9 56	19 13	19 18	21 11			n.a.
T 4	10 54	12 47	4 54	2 36	3 25	21 24	1 28	25 22	1 42	17 57	1 15	1 12	2 43	10 17	0 22	9 19	2 2	33 38	9 56	19 16	19 19	21 11			n.a.
F 5	11 14	16 8	4 33	2 27	3 32	21 42	1 30	25 19	1 41	17 55	1 16	1 10	2 43	10 19	0 22	9 19	2 2	33 39	9 56	19 19	19 20	21 12			n.a.
S 6	11 35	18 44	4 0	2 20	3 37	22 0	1 32	25 16	1 40	17 52	1 16	1 9	2 43	10 20	0 22	9 20	2 2	33 39	9 57	19 21	19 20	21 12			n.a.
S 7	11 55	20 29	3 17	2 17	3 41	22 17	1 33	25 13	1 39	17 50	1 16	1 7	2 42	10 21	0 22	9 20	2 2	33 39	9 57	19 23	19 21	21 13			n.a.
M 8	12 16	21 19	2 26	2 17	3 44	22 34	1 35	25 10	1 39	17 48	1 17	1 6	2 42	10 22	0 22	9 20	2 2	33 40	9 57	19 24	19 22	21 13			n.a.
T 9	12 36	21 12	1 28	2 19	3 46	22 50	1 37	25 6	1 38	17 46	1 17	1 5	2 42	10 24	0 22	9 20	2 2	33 40	9 57	19 24	19 23	21 14			n.a.
W10	12 56	20 8	0 27	2 25	3 47	23 5	1 39	25 3	1 37	17 44	1 17	1 3	2 42	10 25	0 22	9 21	2 2	33 40	9 58	19 24	19 24	21 14			n.a.
T 11	13 15	18 9	0n37	2 33	3 47	23 20	1 40	24 59	1 36	17 42	1 17	1 2	2 42	10 26	0 22	9 21	2 2	33 41	9 58	19 24	19 24	21 15			n.a.
F 12	13 35	15 20	1 40	2 44	3 45	23 34	1 42	24 55	1 35	17 40	1 18	1 1	2 42	10 28	0 22	9 21	2 2	33 41	9 58	19 25	19 25	21 15			n.a.
S 13	13 54	11 45	2 39	2 57	3 43	23 47	1 43	24 51	1 34	17 38	1 18	0 59	2 41	10 29	0 22	9 22	2 2	33 41	9 59	19 25	19 26	21 16			n.a.
S 14	14 13	7 31	3 33	3 13	3 40	24 0	1 44	24 47	1 34	17 36	1 18	0 58	2 41	10 30	0 22	9 22	2 2	33 42	9 59	19 26	19 27	21 16			n.a.
M15	14 32	2 49	4 16	3 32	3 35	24 12	1 46	24 42	1 33	17 34	1 19	0 57	2 41	10 31	0 22	9 22	2 2	33 42	9 59	19 28	19 28	21 17			n.a.
T 16	14 50	2s11	4 46	3 53	3 30	24 24	1 47	24 38	1 32	17 33	1 19	0 55	2 41	10 33	0 22	9 22	2 1	33 42	9 59	19 30	19 28	21 17			n.a.
W17	15 9	7 13	5 0	4 17	3 25	24 35	1 48	24 33	1 31	17 31	1 19	0 54	2 41	10 34	0 22	9 22	2 1	33 43	10 0	19 33	19 29	21 18			n.a.
T 18	15 27	11 57	4 55	4 43	3 18	24 45	1 49	24 28	1 30	17 29	1 20	0 53	2 41	10 35	0 22	9 23	2 1	33 43	10 0	19 36	19 30	21 18			n.a.
F 19	15 45	16 3	4 31	5 11	3 11	24 54	1 50	24 23	1 29	17 28	1 20	0 52	2 40	10 37	0 22	9 23	2 1	33 43	10 0	19 38	19 31	21 19			n.a.
S 20	16 3	19 11	3 49	5 41	3 3	25 3	1 51	24 18	1 29	17 26	1 20	0 51	2 40	10 38	0 22	9 23	2 1	33 43	10 1	19 40	19 31	21 19			n.a.
S 21	16 20	21 2	2 51	6 13	2 54	25 10	1 52	24 13	1 28	17 24	1 21	0 50	2 40	10 39	0 22	9 23	2 1	33 44	10 1	19 42	19 32	21 20			n.a.
M22	16 37	21 27	1 43	6 47	2 45	25 18	1 53	24 7	1 27	17 23	1 21	0 49	2 40	10 40	0 22	9 23	2 1	33 44	10 1	19 42	19 33	21 20			n.a.
T 23	16 54	20 27	0 29	7 23	2 36	25 24	1 54	24 2	1 26	17 21	1 21	0 48	2 40	10 42	0 22	9 23	2 1	33 44	10 1	19 43	19 34	21 20			n.a.
W24	17 11	18 11	0s46	8 0	2 25	25 30	1 54	23 56	1 25	17 20	1 22	0 47	2 39	10 43	0 22	9 24	2 1	33 45	10 2	19 43	19 34	21 21			n.a.
T 25	17 27	14 53	1 56	8 39	2 15	25 35	1 55	23 50	1 24	17 19	1 22	0 46	2 39	10 44	0 22	9 24	2 1	33 45	10 2	19 43	19 35	21 21			n.a.
F 26	17 43	10 51	2 59	9 20	2 4	25 39	1 55	23 44	1 24	17 17	1 22	0 45	2 39	10 45	0 22	9 24	2 1	33 45	10 2	19 43	19 36	21 22			n.a.
S 27	17 59	6 21	3 50	10 2	1 53	25 43	1 56	23 38	1 23	17 16	1 22	0 44	2 39	10 47	0 22	9 24	2 1	33 46	10 2	19 44	19 37	21 22			n.a.
S 28	18 15	1 38	4 29	10 45	1 41	25 46	1 56	23 31	1 22	17 15	1 23	0 43	2 39	10 48	0 22	9 24	2 1	33 46	10 3	19 45	19 38	21 23			n.a.
M29	18 30	3n 4	4 53	11 30	1 29	25 48	1 56	23 25	1 21	17 14	1 23	0 42	2 38	10 49	0 22	9 24	2 1	33 46	10 3	19 48	19 38	21 23			n.a.
T 30	18 45	7 35	5 2	12 15	1 17	25 49	1 56	23 18	1 20	17 13	1 23	0 41	2 38	10 50	0 22	9 24	2 1	33 46	10 3	19 50	19 39	21 23			n.a.
W31	19n 0	11n42	4s56	13n 0	1s 5	25n50	1n56	23n11	1n20	17s12	1s24	0s41	2n38	10n51	0s22	9n24	2n 1	33s47	10s 3	19n53	19n40	21n24			n.a.

Julian Day Number = 1112306.5, Delta T = 10h51m04s
Ecliptic obliquity = 23°53'16, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'40, Lahiri = -26°57'40 Julian Calendar 1 May 1668 BCE == Greg. Calendar 17 Apr. 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

JUNE 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 39 51	24♉27'08	26♉36	8♉32	0♋47	23♋38	17♒36	7°R36	28♈42	11°R 4	6°R16	2°R41	3♌45	7♋54	n.a.	T 1
F 2	15 43 47	25°24'16	8♊45	10°21	1°57	24°14	17°40	7♎34	28°45	11♍ 4	6♑15	2♌30	3°42	8° 0	n.a.	F 2
S 3	15 47 44	26°21'25	20°46	12°13	3° 8	24°50	17°44	7°32	28°48	11° 4	6°14	2°21	3°39	8° 7	n.a.	S 3
S 4	15 51 40	27°18'34	2♋39	14° 7	4°18	25°26	17°47	7°30	28°51	11° 4	6°13	2°15	3°35	8°14	n.a.	S 4
M 5	15 55 37	28°15'44	14°27	16° 5	5°29	26° 2	17°51	7°28	28°55	11° 4	6°12	2°11	3°32	8°20	n.a.	M 5
T 6	15 59 33	29°12'54	26°14	18° 4	6°39	26°39	17°54	7°26	28°58	11° 4	6°11	2° 9	3°29	8°27	n.a.	T 6
W 7	16 3 30	0♊10'05	8♌ 3	20° 6	7°49	27°15	17°57	7°24	29° 1	11°D 4	6°10	2°D 9	3°26	8°34	n.a.	W 7
T 8	16 7 27	1° 7'16	20° 1	22° 9	8°59	27°52	18° 0	7°22	29° 4	11° 4	6° 9	2°10	3°23	8°40	n.a.	T 8
F 9	16 11 23	2° 4'27	2♍11	24°13	10° 9	28°28	18° 3	7°20	29° 7	11° 4	6° 8	2°R10	3°20	8°47	n.a.	F 9
S 10	16 15 20	3° 1'39	14°40	26°19	11°19	29° 5	18° 5	7°19	29°10	11° 4	6° 7	2° 9	3°16	8°54	n.a.	S 10
S 11	16 19 16	3°58'51	27°32	28°25	12°29	29°42	18° 8	7°17	29°14	11° 4	6° 6	2° 7	3°13	9° 0	n.a.	S 11
M12	16 23 13	4°56'04	10♎51	0♊32	13°39	0♌18	18°10	7°16	29°17	11° 4	6° 5	2° 2	3°10	9° 7	n.a.	M12
T 13	16 27 9	5°53'18	24°38	2°39	14°49	0°55	18°12	7°15	29°20	11° 4	6° 4	1°56	3° 7	9°14	n.a.	T 13
W14	16 31 6	6°50'32	8♏53	4°46	15°59	1°32	18°13	7°14	29°23	11° 4	6° 3	1°48	3° 4	9°20	n.a.	W14
T 15	16 35 2	7°47'48	23°32	6°52	17° 8	2°10	18°15	7°12	29°26	11° 5	6° 1	1°40	3° 0	9°27	n.a.	T 15
F 16	16 38 59	8°45'04	8♐29	8°58	18°18	2°47	18°16	7°11	29°28	11° 5	6° 0	1°32	2°57	9°34	n.a.	F 16
S 17	16 42 56	9°42'21	23°33	11° 3	19°27	3°24	18°17	7°10	29°31	11° 5	5°59	1°26	2°54	9°40	n.a.	S 17
S 18	16 46 52	10°39'39	8♑37	13° 8	20°37	4° 1	18°18	7°10	29°34	11° 5	5°58	1°22	2°51	9°47	n.a.	S 18
M19	16 50 49	11°36'59	23°31	15°11	21°46	4°39	18°19	7° 9	29°37	11° 6	5°57	1°20	2°48	9°54	n.a.	M19
T 20	16 54 45	12°34'20	8♒ 8	17°13	22°55	5°16	18°20	7° 8	29°40	11° 6	5°56	1°D20	2°45	10° 0	n.a.	T 20
W21	16 58 42	13°31'42	22°25	19°13	24° 4	5°54	18°20	7° 8	29°43	11° 7	5°54	1°21	2°41	10° 7	n.a.	W21
T 22	17 2 38	14°29'05	6♓20	21°13	25°13	6°32	18°20	7° 7	29°46	11° 7	5°53	1°22	2°38	10°14	n.a.	T 22
F 23	17 6 35	15°26'30	19°54	23°10	26°22	7° 9	18°R20	7° 7	29°48	11° 8	5°52	1°R22	2°35	10°20	n.a.	F 23
S 24	17 10 32	16°23'57	3♈ 8	25° 7	27°31	7°47	18°20	7° 7	29°51	11° 8	5°51	1°21	2°32	10°27	n.a.	S 24
S 25	17 14 28	17°21'25	16° 4	27° 2	28°40	8°25	18°20	7° 6	29°54	11° 9	5°50	1°17	2°29	10°34	n.a.	S 25
M26	17 18 25	18°18'54	28°45	28°55	29°48	9° 3	18°19	7°D 6	29°56	11° 9	5°48	1°12	2°26	10°40	n.a.	M26
T 27	17 22 21	19°16'25	11♉13	0♋47	0♌57	9°41	18°18	7° 6	29°59	11°10	5°47	1° 6	2°22	10°47	n.a.	T 27
W28	17 26 18	20°13'58	23°29	2°38	2° 5	10°20	18°17	7° 6	0♉ 1	11°11	5°46	0°58	2°19	10°54	n.a.	W28
T 29	17 30 14	21°11'32	5♊37	4°27	3°13	10°58	18°16	7° 7	0° 4	11°11	5°45	0°51	2°16	11° 0	n.a.	T 29
F 30	17 34 11	22♊ 9'08	17♊36	6♋14	4♌22	11♌36	18♒15	7♎ 7	0♉ 7	11♍12	5♑43	0♌45	2♌13	11♋ 7	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n14	15n17	4s37	13n47	0s53	25n49	1n56	23n 4	1n19	17s11	1s24	0s40	2n38	10n53	0s22	9n24	2n 1	33s47	10s 4	19n56	19n41	21n24		n.a.
F 2	19 28	18 9	4 5	14 33	0 41	25 48	1 56	22 57	1 18	17 10	1 25	0 39	2 37	10 54	0 22	9 24	2 0	33 47	10 4	19 58	19 41	21 25		n.a.
S 3	19 42	20 12	3 22	15 20	0 29	25 47	1 56	22 50	1 17	17 9	1 25	0 38	2 37	10 55	0 22	9 24	2 0	33 48	10 4	20 0	19 42	21 25		n.a.
S 4	19 56	21 21	2 31	16 7	0 17	25 44	1 56	22 42	1 16	17 8	1 25	0 38	2 37	10 56	0 22	9 24	2 0	33 48	10 4	20 2	19 43	21 25		n.a.
M 5	20 9	21 33	1 33	16 53	0 5	25 41	1 55	22 34	1 16	17 7	1 26	0 37	2 37	10 57	0 22	9 24	2 0	33 48	10 5	20 3	19 44	21 26		n.a.
T 6	20 21	20 47	0 32	17 38	0n 6	25 38	1 55	22 27	1 15	17 7	1 26	0 37	2 37	10 58	0 22	9 24	2 0	33 48	10 5	20 3	19 44	21 26		n.a.
W 7	20 34	19 6	0n32	18 22	0 17	25 33	1 54	22 19	1 14	17 6	1 26	0 36	2 36	11 0	0 22	9 24	2 0	33 49	10 5	20 3	19 45	21 26		n.a.
T 8	20 46	16 34	1 34	19 6	0 28	25 28	1 53	22 10	1 13	17 5	1 27	0 36	2 36	11 1	0 22	9 24	2 0	33 49	10 5	20 3	19 46	21 27		n.a.
F 9	20 58	13 17	2 34	19 48	0 38	25 22	1 53	22 2	1 12	17 5	1 27	0 35	2 36	11 2	0 22	9 24	2 0	33 49	10 5	20 3	19 47	21 27		n.a.
S 10	21 9	9 19	3 28	20 28	0 48	25 15	1 52	21 54	1 12	17 4	1 27	0 35	2 36	11 3	0 22	9 24	2 0	33 49	10 6	20 3	19 47	21 28		n.a.
S 11	21 20	4 51	4 13	21 6	0 57	25 8	1 51	21 45	1 11	17 4	1 28	0 35	2 35	11 4	0 22	9 24	2 0	33 50	10 6	20 4	19 48	21 28		n.a.
M12	21 31	0s 0	4 46	21 42	1 5	24 59	1 50	21 36	1 10	17 4	1 28	0 34	2 35	11 5	0 22	9 24	2 0	33 50	10 6	20 5	19 49	21 28		n.a.
T 13	21 41	5 1	5 4	22 16	1 12	24 51	1 48	21 27	1 9	17 3	1 28	0 34	2 35	11 6	0 22	9 23	2 0	33 50	10 6	20 6	19 50	21 29		n.a.
W14	21 51	9 56	5 4	22 47	1 19	24 41	1 47	21 18	1 9	17 3	1 29	0 34	2 34	11 7	0 22	9 23	2 0	33 50	10 6	20 8	19 50	21 29		n.a.
T 15	22 1	14 25	4 44	23 16	1 26	24 31	1 46	21 9	1 8	17 3	1 29	0 33	2 34	11 8	0 22	9 23	2 0	33 51	10 7	20 10	19 51	21 29		n.a.
F 16	22 10	18 5	4 5	23 43	1 31	24 20	1 44	20 59	1 7	17 3	1 29	0 33	2 34	11 9	0 22	9 23	2 0	33 51	10 7	20 11	19 52	21 30		n.a.
S 17	22 19	20 35	3 9	24 6	1 36	24 8	1 43	20 50	1 6	17 3	1 30	0 33	2 34	11 10	0 22	9 23	2 0	33 51	10 7	20 13	19 53	21 30		n.a.
S 18	22 28	21 37	1 59	24 27	1 40	23 56	1 41	20 40	1 5	17 3	1 30	0 33	2 33	11 11	0 22	9 23	1 59	33 51	10 7	20 14	19 53	21 30		n.a.
M19	22 36	21 6	0 42	24 46	1 44	23 43	1 39	20 30	1 5	17 3	1 30	0 33	2 33	11 13	0 22	9 22	1 59	33 52	10 7	20 14	19 54	21 31		n.a.
T 20	22 44	19 10	0s37	25 1	1 46	23 30	1 37	20 20	1 4	17 3	1 31	0 33	2 33	11 14	0 22	9 22	1 59	33 52	10 7	20 14	19 55	21 31		n.a.
W21	22 51	16 3	1 51	25 14	1 48	23 16	1 35	20 10	1 3	17 3	1 31	0 33	2 33	11 15	0 22	9 22	1 59	33 52	10 8	20 14	19 56	21 31		n.a.
T 22	22 58	12 6	2 58	25 25	1 50	23 1	1 33	20 0	1 2	17 4	1 31	0 33	2 32	11 16	0 22	9 22	1 59	33 52	10 8	20 14	19 56	21 31		n.a.
F 23	23 4	7 37	3 52	25 33	1 50	22 46	1 31	19 49	1 2	17 4	1 32	0 33	2 32	11 17	0 22	9 21	1 59	33 52	10 8	20 14	19 57	21 32		n.a.
S 24	23 11	2 54	4 33	25 38	1 51	22 30	1 29	19 38	1 1	17 4	1 32	0 33	2 32	11 17	0 22	9 21	1 59	33 53	10 8	20 14	19 58	21 32		n.a.
S 25	23 16	1n51	4 59	25 41	1 50	22 13	1 27	19 28	1 0	17 5	1 33	0 34	2 32	11 18	0 22	9 21	1 59	33 53	10 8	20 15	19 58	21 32		n.a.
M26	23 22	6 25	5 9	25 42	1 49	21 56	1 24	19 17	0 59	17 5	1 33	0 34	2 31	11 19	0 22	9 21	1 59	33 53	10 8	20 16	19 59	21 33		n.a.
T 27	23 27	10 39	5 5	25 41	1 48	21 39	1 21	19 6	0 58	17 6	1 33	0 34	2 31	11 20	0 22	9 20	1 59	33 53	10 8	20 17	20 0	21 33		n.a.
W28	23 31	14 23	4 46	25 37	1 46	21 21	1 19	18 54	0 58	17 7	1 34	0 34	2 31	11 21	0 22	9 20	1 59	33 53	10 9	20 19	20 1	21 33		n.a.
T 29	23 35	17 28	4 15	25 32	1 43	21 2	1 16	18 43	0 57	17 7	1 34	0 35	2 30	11 22	0 22	9 20	1 59	33 54	10 9	20 21	20 1	21 33		n.a.
F 30	23n39	19n46	3s33	25n24	1n40	20n43	1n13	18n31	0n56	17s 8	1s34	0s35	2n30	11n23	0s22	9n19	1n59	33s54	10s 9	20n22	20n 2	21n34		n.a.

Julian Day Number = 1112337.5, Delta T = 10h51m02s
Ecliptic obliquity = 23°53'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'36, Lahiri = -26°57'35 Julian Calendar 1 June 1668 BCE == Greg. Calendar 18 May 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

JULY 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 38 7	23♊ 6'45	29♊29	8♋ 0	5♌30	12♌15	18°R13	7♎ 7	0♉ 9	11♍13	5°R42	0°R39	2♌10	11♋14	n.a.	S 1
S 2	17 42 4	24° 4'23	11♋18	9°44	6°38	12°53	18♒11	7° 8	0°11	11°14	5♑41	0♌36	2° 6	11°20	n.a.	S 2
M 3	17 46 1	25° 2'03	23° 5	11°27	7°46	13°32	18°10	7° 8	0°14	11°14	5°39	0°34	2° 3	11°27	n.a.	M 3
T 4	17 49 57	25°59'44	4♌52	13° 9	8°53	14°10	18° 7	7° 9	0°16	11°15	5°38	0°D34	2° 0	11°33	n.a.	T 4
W 5	17 53 54	26°57'26	16°43	14°49	10° 1	14°49	18° 5	7°10	0°18	11°16	5°37	0°35	1°57	11°40	n.a.	W 5
T 6	17 57 50	27°55'10	28°42	16°27	11° 8	15°28	18° 2	7°11	0°21	11°17	5°36	0°36	1°54	11°47	n.a.	T 6
F 7	18 1 47	28°52'55	10♍53	18° 4	12°16	16° 7	18° 0	7°12	0°23	11°18	5°34	0°38	1°51	11°53	n.a.	F 7
S 8	18 5 43	29°50'42	23°21	19°40	13°23	16°46	17°57	7°13	0°25	11°19	5°33	0°39	1°47	12° 0	n.a.	S 8
S 9	18 9 40	0♋48'29	6♎ 9	21°14	14°30	17°25	17°54	7°14	0°27	11°20	5°32	0°R39	1°44	12° 7	n.a.	S 9
M10	18 13 36	1°46'19	19°23	22°47	15°37	18° 4	17°50	7°15	0°29	11°21	5°30	0°38	1°41	12°13	n.a.	M10
T 11	18 17 33	2°44'09	3♏ 4	24°18	16°44	18°44	17°47	7°17	0°32	11°22	5°29	0°35	1°38	12°20	n.a.	T 11
W12	18 21 30	3°42'01	17°14	25°48	17°50	19°23	17°43	7°18	0°34	11°23	5°28	0°32	1°35	12°27	n.a.	W12
T 13	18 25 26	4°39'55	1♐50	27°17	18°57	20° 2	17°39	7°20	0°36	11°24	5°26	0°29	1°32	12°33	n.a.	T 13
F 14	18 29 23	5°37'50	16°46	28°44	20° 3	20°42	17°35	7°21	0°37	11°25	5°25	0°25	1°28	12°40	n.a.	F 14
S 15	18 33 19	6°35'47	1♑56	0♌ 9	21° 9	21°21	17°31	7°23	0°39	11°26	5°24	0°23	1°25	12°47	n.a.	S 15
S 16	18 37 16	7°33'45	17°10	1°33	22°15	22° 1	17°27	7°25	0°41	11°28	5°22	0°21	1°22	12°53	n.a.	S 16
M17	18 41 12	8°31'45	2♒18	2°56	23°21	22°41	17°22	7°27	0°43	11°29	5°21	0°D21	1°19	13° 0	n.a.	M17
T 18	18 45 9	9°29'48	17°11	4°16	24°27	23°20	17°17	7°29	0°45	11°30	5°20	0°21	1°16	13° 7	n.a.	T 18
W19	18 49 5	10°27'52	1♓42	5°36	25°32	24° 0	17°12	7°31	0°47	11°31	5°18	0°23	1°12	13°13	n.a.	W19
T 20	18 53 2	11°25'58	15°49	6°53	26°38	24°40	17° 7	7°33	0°48	11°33	5°17	0°24	1° 9	13°20	n.a.	T 20
F 21	18 56 59	12°24'07	29°30	8° 9	27°43	25°20	17° 2	7°35	0°50	11°34	5°16	0°25	1° 6	13°27	n.a.	F 21
S 22	19 0 55	13°22'18	12♈47	9°23	28°47	26° 0	16°57	7°38	0°51	11°35	5°15	0°R25	1° 3	13°33	n.a.	S 22
S 23	19 4 52	14°20'30	25°41	10°35	29°52	26°40	16°51	7°40	0°53	11°37	5°13	0°25	1° 0	13°40	n.a.	S 23
M24	19 8 48	15°18'45	8♉15	11°46	0♍57	27°20	16°46	7°43	0°54	11°38	5°12	0°24	0°57	13°47	n.a.	M24
T 25	19 12 45	16°17'03	20°35	12°54	2° 1	28° 1	16°40	7°45	0°56	11°40	5°11	0°22	0°53	13°53	n.a.	T 25
W26	19 16 41	17°15'22	2♊42	14° 0	3° 5	28°41	16°34	7°48	0°57	11°41	5° 9	0°20	0°50	14° 0	n.a.	W26
T 27	19 20 38	18°13'44	14°40	15° 4	4° 9	29°22	16°28	7°51	0°59	11°43	5° 8	0°18	0°47	14° 7	n.a.	T 27
F 28	19 24 34	19°12'08	26°31	16° 6	5°12	0♍ 2	16°21	7°54	1° 0	11°44	5° 7	0°17	0°44	14°13	n.a.	F 28
S 29	19 28 31	20°10'34	8♋20	17° 5	6°16	0°43	16°15	7°57	1° 1	11°46	5° 6	0°16	0°41	14°20	n.a.	S 29
S 30	19 32 27	21° 9'02	20° 7	18° 1	7°19	1°23	16° 8	8° 0	1° 2	11°47	5° 4	0°15	0°38	14°26	n.a.	S 30
M31	19 36 24	22♋ 7'32	1♌56	18♌54	8♍22	2♍ 4	16♒ 2	8♎ 3	1♉ 4	11♍49	5♑ 3	0°D15	0♌34	14♋33	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23n42	21n12	2s41	25n15	1n36	20n23	1n10	18n20	0n55	17s 9	1s35	0s35	2n30	11n24	0s22	9n19	1n59	33s54	10s 9	20n23	20n 3	21n34		n.a.	S 1
S 2	23 45	21 41	1 43	25 4	1 32	20 3	1 7	18 8	0 55	17 10	1 35	0 36	2 30	11 25	0 22	9 19	1 59	33 54	10 9	20 24	20 4	21 34		n.a.	S 2
M 3	23 48	21 12	0 41	24 51	1 28	19 42	1 4	17 56	0 54	17 11	1 35	0 36	2 29	11 26	0 22	9 18	1 59	33 54	10 9	20 24	20 4	21 35		n.a.	M 3
T 4	23 50	19 47	0n24	24 36	1 23	19 21	1 1	17 44	0 53	17 12	1 36	0 37	2 29	11 26	0 22	9 18	1 59	33 55	10 9	20 24	20 5	21 35		n.a.	T 4
W 5	23 51	17 30	1 27	24 21	1 18	18 59	0 57	17 31	0 52	17 13	1 36	0 37	2 29	11 27	0 22	9 18	1 58	33 55	10 9	20 24	20 6	21 35		n.a.	W 5
T 6	23 52	14 27	2 28	24 3	1 13	18 37	0 54	17 19	0 51	17 14	1 36	0 38	2 29	11 28	0 22	9 17	1 58	33 55	10 9	20 24	20 7	21 35		n.a.	T 6
F 7	23 53	10 45	3 23	23 45	1 7	18 14	0 50	17 6	0 51	17 15	1 37	0 39	2 28	11 29	0 22	9 17	1 58	33 55	10 10	20 24	20 7	21 35		n.a.	F 7
S 8	23 53	6 30	4 10	23 25	1 1	17 51	0 47	16 54	0 50	17 16	1 37	0 39	2 28	11 30	0 22	9 16	1 58	33 55	10 10	20 23	20 8	21 36		n.a.	S 8
S 9	23 53	1 53	4 46	23 4	0 54	17 28	0 43	16 41	0 49	17 18	1 37	0 40	2 28	11 30	0 22	9 16	1 58	33 55	10 10	20 23	20 9	21 36		n.a.	S 9
M10	23 53	2s59	5 8	22 42	0 48	17 4	0 39	16 28	0 48	17 19	1 38	0 41	2 27	11 31	0 22	9 15	1 58	33 55	10 10	20 24	20 9	21 36		n.a.	M10
T 11	23 52	7 51	5 14	22 19	0 41	16 40	0 35	16 15	0 48	17 20	1 38	0 42	2 27	11 32	0 22	9 15	1 58	33 56	10 10	20 24	20 10	21 36		n.a.	T 11
W12	23 50	12 29	5 1	21 56	0 33	16 16	0 31	16 2	0 47	17 22	1 38	0 42	2 27	11 33	0 22	9 14	1 58	33 56	10 10	20 25	20 11	21 37		n.a.	W12
T 13	23 48	16 32	4 29	21 31	0 26	15 51	0 27	15 48	0 46	17 23	1 39	0 43	2 27	11 33	0 22	9 14	1 58	33 56	10 10	20 26	20 12	21 37		n.a.	T 13
F 14	23 46	19 37	3 37	21 6	0 18	15 25	0 22	15 35	0 45	17 25	1 39	0 44	2 26	11 34	0 22	9 13	1 58	33 56	10 10	20 26	20 12	21 37		n.a.	F 14
S 15	23 43	21 22	2 30	20 40	0 10	15 0	0 18	15 21	0 45	17 26	1 39	0 45	2 26	11 35	0 22	9 13	1 58	33 56	10 10	20 27	20 13	21 37		n.a.	S 15
S 16	23 40	21 34	1 12	20 13	0 2	14 34	0 14	15 7	0 44	17 28	1 39	0 46	2 26	11 35	0 22	9 12	1 58	33 56	10 10	20 27	20 14	21 37		n.a.	S 16
M17	23 36	20 11	0s11	19 46	0s 6	14 8	0 9	14 53	0 43	17 30	1 40	0 47	2 26	11 36	0 22	9 12	1 58	33 56	10 10	20 27	20 14	21 38		n.a.	M17
T 18	23 32	17 26	1 32	19 19	0 15	13 41	0 5	14 39	0 42	17 32	1 40	0 48	2 25	11 37	0 22	9 11	1 58	33 56	10 10	20 27	20 15	21 38		n.a.	T 18
W19	23 28	13 37	2 45	18 51	0 23	13 15	0s 0	14 25	0 42	17 33	1 40	0 49	2 25	11 37	0 22	9 11	1 58	33 56	10 10	20 27	20 16	21 38		n.a.	W19
T 20	23 23	9 9	3 46	18 23	0 32	12 48	0 5	14 11	0 41	17 35	1 41	0 50	2 25	11 38	0 22	9 10	1 58	33 57	10 10	20 27	20 17	21 38		n.a.	T 20
F 21	23 18	4 20	4 32	17 54	0 41	12 21	0 10	13 57	0 40	17 37	1 41	0 52	2 25	11 38	0 22	9 10	1 58	33 57	10 10	20 26	20 17	21 38		n.a.	F 21
S 22	23 12	0n31	5 2	17 26	0 50	11 53	0 15	13 42	0 39	17 39	1 41	0 53	2 24	11 39	0 22	9 9	1 58	33 57	10 10	20 26	20 18	21 38		n.a.	S 22
S 23	23 6	5 13	5 15	16 57	1 0	11 25	0 20	13 27	0 38	17 41	1 41	0 54	2 24	11 39	0 22	9 9	1 57	33 57	10 10	20 26	20 19	21 39		n.a.	S 23
M24	22 59	9 35	5 14	16 29	1 9	10 57	0 25	13 13	0 38	17 43	1 42	0 55	2 24	11 40	0 22	9 8	1 57	33 57	10 10	20 27	20 19	21 39		n.a.	M24
T 25	22 52	13 27	4 57	16 0	1 18	10 29	0 30	12 58	0 37	17 45	1 42	0 57	2 23	11 40	0 22	9 7	1 57	33 57	10 10	20 27	20 20	21 39		n.a.	T 25
W26	22 45	16 43	4 28	15 32	1 28	10 1	0 35	12 43	0 36	17 47	1 42	0 58	2 23	11 41	0 22	9 7	1 57	33 57	10 10	20 27	20 21	21 39		n.a.	W26
T 27	22 37	19 14	3 47	15 5	1 37	9 33	0 40	12 28	0 35	17 49	1 42	0 59	2 23	11 41	0 22	9 6	1 57	33 57	10 10	20 28	20 21	21 39		n.a.	T 27
F 28	22 29	20 54	2 56	14 37	1 46	9 4	0 46	12 13	0 35	17 52	1 43	1 1	2 23	11 42	0 22	9 6	1 57	33 57	10 10	20 28	20 22	21 39		n.a.	F 28
S 29	22 20	21 39	1 59	14 10	1 56	8 35	0 51	11 57	0 34	17 54	1 43	1 2	2 22	11 42	0 22	9 5	1 57	33 57	10 10	20 28	20 23	21 39		n.a.	S 29
S 30	22 11	21 26	0 56	13 44	2 5	8 6	0 57	11 42	0 33	17 56	1 43	1 4	2 22	11 43	0 22	9 4	1 57	33 57	10 10	20 29	20 24	21 40		n.a.	S 30
M31	22n 2	20n15	0n 9	13n18	2s15	7n37	1s 2	11n26	0n32	17s58	1s43	1s 5	2n22	11n43	0s22	9n 4	1n57	33s57	10s10	20n29	20n24	21n40		n.a.	M31

Julian Day Number = 1112367.5, Delta T = 10h51m00s
Ecliptic obliquity = 23°53'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'32, Lahiri = -26°57'31 Julian Calendar 1 July 1668 BCE == Greg. Calendar 17 June 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

AUGUST 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 40 21	23♋ 6'05	13♌48	19♌45	9♍25	2♍45	15°R55	8♎ 6	1♉ 5	11♍50	5°R 2	0♌15	0♌31	14♋40	n.a.	T 1
W 2	19 44 17	24° 4'39	25°45	20°32	10°27	3°26	15♒48	8°10	1° 6	11°52	5♑ 1	0°16	0°28	14°46	n.a.	W 2
T 3	19 48 14	25° 3'15	7♍51	21°15	11°29	4° 7	15°41	8°13	1° 7	11°54	4°59	0°16	0°25	14°53	n.a.	T 3
F 4	19 52 10	26° 1'53	20° 8	21°55	12°31	4°48	15°34	8°17	1° 8	11°55	4°58	0°17	0°22	15° 0	n.a.	F 4
S 5	19 56 7	27° 0'32	2♎40	22°31	13°32	5°29	15°27	8°20	1° 9	11°57	4°57	0°17	0°18	15° 6	n.a.	S 5
S 6	20 0 3	27°59'14	15°29	23° 2	14°33	6°10	15°19	8°24	1°10	11°59	4°56	0°17	0°15	15°13	n.a.	S 6
M 7	20 4 0	28°57'58	28°38	23°29	15°34	6°51	15°12	8°28	1°10	12° 0	4°55	0°R17	0°12	15°20	n.a.	M 7
T 8	20 7 56	29°56'43	12♏11	23°50	16°35	7°33	15° 5	8°31	1°11	12° 2	4°53	0°D17	0° 9	15°26	n.a.	T 8
W 9	20 11 53	0♌55'30	26° 9	24° 6	17°35	8°14	14°57	8°35	1°12	12° 4	4°52	0°17	0° 6	15°33	n.a.	W 9
T 10	20 15 49	1°54'19	10♐30	24°17	18°35	8°56	14°49	8°39	1°12	12° 6	4°51	0°17	0° 3	15°40	n.a.	T 10
F 11	20 19 46	2°53'11	25°13	24°R21	19°34	9°37	14°42	8°43	1°13	12° 8	4°50	0°18	29♋59	15°46	n.a.	F 11
S 12	20 23 43	3°52'04	10♑12	24°18	20°34	10°19	14°34	8°47	1°14	12° 9	4°49	0°18	29°56	15°53	n.a.	S 12
S 13	20 27 39	4°50'59	25°20	24° 9	21°32	11° 0	14°26	8°52	1°14	12°11	4°48	0°R18	29°53	16° 0	n.a.	S 13
M14	20 31 36	5°49'56	10♒28	23°52	22°30	11°42	14°18	8°56	1°15	12°13	4°47	0°18	29°50	16° 6	n.a.	M14
T 15	20 35 32	6°48'56	25°26	23°28	23°28	12°24	14°10	9° 0	1°15	12°15	4°45	0°18	29°47	16°13	n.a.	T 15
W16	20 39 29	7°47'57	10♓ 7	22°57	24°26	13° 6	14° 2	9° 5	1°15	12°17	4°44	0°17	29°44	16°20	n.a.	W16
T 17	20 43 25	8°47'01	24°25	22°18	25°23	13°48	13°54	9° 9	1°16	12°19	4°43	0°16	29°40	16°26	n.a.	T 17
F 18	20 47 22	9°46'08	8♈16	21°32	26°19	14°30	13°46	9°14	1°16	12°21	4°42	0°15	29°37	16°33	n.a.	F 18
S 19	20 51 18	10°45'17	21°39	20°40	27°15	15°12	13°38	9°18	1°16	12°23	4°41	0°14	29°34	16°39	n.a.	S 19
S 20	20 55 15	11°44'28	4♉37	19°41	28°11	15°54	13°30	9°23	1°16	12°25	4°40	0°13	29°31	16°46	n.a.	S 20
M21	20 59 12	12°43'42	17°13	18°38	29° 6	16°36	13°22	9°28	1°16	12°27	4°39	0°D13	29°28	16°53	n.a.	M21
T 22	21 3 8	13°42'58	29°30	17°30	0♎ 0	17°19	13°14	9°33	1°R16	12°29	4°38	0°14	29°24	16°59	n.a.	T 22
W23	21 7 5	14°42'17	11♊33	16°21	0°54	18° 1	13° 6	9°38	1°16	12°31	4°37	0°15	29°21	17° 6	n.a.	W23
T 24	21 11 1	15°41'38	23°26	15°11	1°48	18°43	12°58	9°42	1°16	12°33	4°36	0°16	29°18	17°13	n.a.	T 24
F 25	21 14 58	16°41'02	5♋15	14° 3	2°40	19°26	12°50	9°48	1°16	12°35	4°36	0°18	29°15	17°19	n.a.	F 25
S 26	21 18 54	17°40'28	17° 2	12°58	3°33	20° 9	12°42	9°53	1°16	12°37	4°35	0°19	29°12	17°26	n.a.	S 26
S 27	21 22 51	18°39'57	28°51	11°58	4°24	20°51	12°34	9°58	1°15	12°39	4°34	0°R19	29° 9	17°33	n.a.	S 27
M28	21 26 47	19°39'28	10♌44	11° 6	5°15	21°34	12°26	10° 3	1°15	12°41	4°33	0°19	29° 5	17°39	n.a.	M28
T 29	21 30 44	20°39'01	22°45	10°21	6° 5	22°17	12°18	10° 8	1°15	12°43	4°32	0°18	29° 2	17°46	n.a.	T 29
W30	21 34 40	21°38'36	4♍54	9°46	6°55	23° 0	12°10	10°14	1°14	12°45	4°31	0°15	28°59	17°53	n.a.	W30
T 31	21 38 37	22♌38'13	17♍14	9♌22	7♎43	23♍43	12♒ 2	10♎19	1♉14	12♍48	4♑30	0♌12	28♋56	17♋59	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	21n52	18n11	1n15	12n54	2s24	7n 8	1s 8	11n11	0n32	18s 0	1s44	1s 7	2n22	11n43	0s22	9n 3	1n57	33s57	10s10	20n29	20n25	21n40		n.a.	T 1
W 2	21 42	15 19	2 17	12 30	2 33	6 39	1 14	10 55	0 31	18 3	1 44	1 8	2 21	11 44	0 22	9 2	1 57	33 57	10 10	20 28	20 26	21 40		n.a.	W 2
T 3	21 31	11 46	3 14	12 8	2 42	6 10	1 20	10 39	0 30	18 5	1 44	1 10	2 21	11 44	0 22	9 2	1 57	33 57	10 10	20 28	20 26	21 40		n.a.	T 3
F 4	21 20	7 42	4 3	11 46	2 51	5 40	1 26	10 23	0 29	18 7	1 44	1 11	2 21	11 44	0 22	9 1	1 57	33 57	10 10	20 28	20 27	21 40		n.a.	F 4
S 5	21 9	3 13	4 42	11 27	2 59	5 11	1 32	10 7	0 29	18 10	1 44	1 13	2 21	11 45	0 22	9 0	1 57	33 57	10 10	20 28	20 28	21 40		n.a.	S 5
S 6	20 57	1s29	5 8	11 9	3 8	4 42	1 38	9 51	0 28	18 12	1 45	1 15	2 21	11 45	0 22	8 59	1 57	33 57	10 10	20 28	20 28	21 40		n.a.	S 6
M 7	20 45	6 15	5 18	10 53	3 15	4 12	1 44	9 35	0 27	18 15	1 45	1 16	2 20	11 45	0 22	8 59	1 57	33 57	10 10	20 28	20 29	21 40		n.a.	M 7
T 8	20 32	10 51	5 11	10 38	3 23	3 43	1 50	9 18	0 26	18 17	1 45	1 18	2 20	11 46	0 22	8 58	1 57	33 57	10 10	20 28	20 30	21 40		n.a.	T 8
W 9	20 20	15 1	4 46	10 27	3 29	3 13	1 56	9 2	0 26	18 19	1 45	1 20	2 20	11 46	0 22	8 57	1 57	33 57	10 10	20 28	20 31	21 41		n.a.	W 9
T 10	20 6	18 26	4 3	10 18	3 36	2 44	2 2	8 45	0 25	18 22	1 45	1 22	2 20	11 46	0 22	8 57	1 57	33 57	10 10	20 28	20 31	21 41		n.a.	T 10
F 11	19 53	20 45	3 3	10 11	3 41	2 15	2 8	8 29	0 24	18 24	1 45	1 24	2 19	11 46	0 22	8 56	1 57	33 57	10 10	20 28	20 32	21 41		n.a.	F 11
S 12	19 39	21 40	1 50	10 8	3 45	1 45	2 15	8 12	0 23	18 27	1 46	1 25	2 19	11 46	0 22	8 55	1 57	33 57	10 10	20 28	20 33	21 41		n.a.	S 12
S 13	19 25	21 1	0 28	10 8	3 49	1 16	2 21	7 55	0 23	18 29	1 46	1 27	2 19	11 47	0 22	8 54	1 57	33 57	10 10	20 28	20 33	21 41		n.a.	S 13
M14	19 10	18 51	0s56	10 11	3 51	0 47	2 27	7 38	0 22	18 32	1 46	1 29	2 19	11 47	0 22	8 54	1 57	33 57	10 10	20 28	20 34	21 41		n.a.	M14
T 15	18 55	15 24	2 15	10 18	3 52	0 18	2 34	7 21	0 21	18 34	1 46	1 31	2 18	11 47	0 22	8 53	1 57	33 57	10 9	20 28	20 35	21 41		n.a.	T 15
W16	18 40	11 3	3 24	10 29	3 52	0s11	2 40	7 4	0 20	18 37	1 46	1 33	2 18	11 47	0 22	8 52	1 56	33 57	10 9	20 28	20 35	21 41		n.a.	W16
T 17	18 24	6 11	4 18	10 44	3 49	0 40	2 47	6 47	0 20	18 39	1 46	1 35	2 18	11 47	0 22	8 51	1 56	33 57	10 9	20 28	20 36	21 41		n.a.	T 17
F 18	18 8	1 10	4 54	11 2	3 45	1 9	2 53	6 30	0 19	18 42	1 46	1 37	2 18	11 47	0 22	8 50	1 56	33 57	10 9	20 29	20 37	21 41		n.a.	F 18
S 19	17 52	3n45	5 14	11 25	3 40	1 38	3 0	6 13	0 18	18 44	1 46	1 39	2 18	11 47	0 22	8 50	1 56	33 57	10 9	20 29	20 37	21 41		n.a.	S 19
S 20	17 35	8 20	5 17	11 51	3 32	2 6	3 6	5 56	0 17	18 46	1 46	1 41	2 17	11 47	0 22	8 49	1 56	33 57	10 9	20 29	20 38	21 41		n.a.	S 20
M21	17 18	12 26	5 4	12 20	3 22	2 34	3 13	5 38	0 17	18 49	1 46	1 43	2 17	11 47	0 22	8 48	1 56	33 57	10 9	20 29	20 39	21 41		n.a.	M21
T 22	17 1	15 55	4 37	12 52	3 10	3 2	3 19	5 21	0 16	18 51	1 46	1 45	2 17	11 47	0 22	8 47	1 56	33 57	10 9	20 29	20 39	21 41		n.a.	T 22
W23	16 44	18 39	3 59	13 26	2 56	3 30	3 26	5 3	0 15	18 54	1 46	1 48	2 17	11 47	0 22	8 46	1 56	33 57	10 9	20 29	20 40	21 41		n.a.	W23
T 24	16 26	20 33	3 10	14 2	2 40	3 58	3 32	4 46	0 14	18 56	1 47	1 50	2 17	11 47	0 22	8 46	1 56	33 56	10 9	20 28	20 41	21 41		n.a.	T 24
F 25	16 8	21 32	2 15	14 38	2 23	4 25	3 39	4 28	0 14	18 58	1 47	1 52	2 16	11 47	0 22	8 45	1 56	33 56	10 8	20 28	20 41	21 41		n.a.	F 25
S 26	15 49	21 34	1 13	15 15	2 5	4 52	3 46	4 10	0 13	19 1	1 47	1 54	2 16	11 47	0 22	8 44	1 56	33 56	10 8	20 28	20 42	21 41		n.a.	S 26
S 27	15 31	20 39	0 8	15 50	1 45	5 19	3 52	3 53	0 12	19 3	1 47	1 56	2 16	11 47	0 22	8 43	1 56	33 56	10 8	20 28	20 43	21 41		n.a.	S 27
M28	15 12	18 47	0n57	16 24	1 25	5 46	3 59	3 35	0 11	19 5	1 47	1 59	2 16	11 47	0 22	8 42	1 56	33 56	10 8	20 28	20 43	21 41		n.a.	M28
T 29	14 53	16 5	2 1	16 56	1 5	6 12	4 5	3 17	0 11	19 8	1 47	2 1	2 16	11 47	0 22	8 41	1 56	33 56	10 8	20 28	20 44	21 41		n.a.	T 29
W30	14 33	12 40	2 59	17 24	0 45	6 38	4 12	2 59	0 10	19 10	1 47	2 3	2 15	11 47	0 22	8 41	1 56	33 56	10 8	20 29	20 45	21 41		n.a.	W30
T 31	14n14	8n40	3n51	17n50	0s26	7s 4	4s18	2n41	0n 9	19s12	1s47	2s 6	2n15	11n46	0s22	8n40	1n56	33s56	10s 8	20n29	20n45	21n41		n.a.	T 31

Julian Day Number = 1112398.5, Delta T = 10h50m59s
Ecliptic obliquity = 23°53'15, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'28, Lahiri = -26°57'27 Julian Calendar 1 Aug. 1668 BCE == Greg. Calendar 18 July 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

SEPTEMBER 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 42 34	23♌37'52	29♍45	9°R 8	8♎31	24♍26	11°R55	10♎24	1°R13	12♍50	4°R30	0°R 8	28♋53	18♋ 6	n.a.	F 1
S 2	21 46 30	24°37'33	12♎29	9°D 5	9°18	25° 9	11♒47	10°30	1♉13	12°52	4♂29	0♌ 4	28°49	18°13	n.a.	S 2
S 3	21 50 27	25°37'16	25°27	9♌13	10° 5	25°52	11°39	10°36	1°12	12°54	4°28	0° 1	28°46	18°19	n.a.	S 3
M 4	21 54 23	26°37'02	8♏40	9°32	10°50	26°35	11°32	10°41	1°12	12°56	4°27	29♋58	28°43	18°26	n.a.	M 4
T 5	21 58 20	27°36'49	22°10	10° 1	11°34	27°18	11°24	10°47	1°11	12°58	4°27	29°D57	28°40	18°33	n.a.	T 5
W 6	22 2 16	28°36'38	5♐58	10°39	12°18	28° 2	11°17	10°53	1°10	13° 1	4°26	29°57	28°37	18°39	n.a.	W 6
T 7	22 6 13	29°36'28	20° 3	11°26	13° 0	28°45	11°10	10°58	1° 9	13° 3	4°25	29°58	28°34	18°46	n.a.	T 7
F 8	22 10 9	0♍36'21	4♑26	12°21	13°42	29°28	11° 3	11° 4	1° 9	13° 5	4°25	29°59	28°30	18°52	n.a.	F 8
S 9	22 14 6	1°36'16	19° 3	13°22	14°22	0♎12	10°55	11°10	1° 8	13° 7	4°24	0♌ 1	28°27	18°59	n.a.	S 9
S 10	22 18 2	2°36'12	3♒50	14°30	15° 1	0°55	10°49	11°16	1° 7	13° 9	4°24	0°R 1	28°24	19° 6	n.a.	S 10
M11	22 21 59	3°36'10	18°41	15°43	15°39	1°39	10°42	11°22	1° 6	13°12	4°23	0° 0	28°21	19°12	n.a.	M11
T 12	22 25 56	4°36'10	3♓29	17° 1	16°16	2°23	10°35	11°28	1° 5	13°14	4°22	29♋57	28°18	19°19	n.a.	T 12
W13	22 29 52	5°36'12	18° 6	18°23	16°51	3° 7	10°28	11°34	1° 3	13°16	4°22	29°53	28°15	19°26	n.a.	W13
T 14	22 33 49	6°36'16	2♈24	19°49	17°25	3°50	10°22	11°40	1° 2	13°18	4°21	29°47	28°11	19°32	n.a.	T 14
F 15	22 37 45	7°36'23	16°19	21°17	17°58	4°34	10°16	11°46	1° 1	13°21	4°21	29°41	28° 8	19°39	n.a.	F 15
S 16	22 41 42	8°36'31	29°48	22°48	18°29	5°18	10° 9	11°53	1° 0	13°23	4°21	29°35	28° 5	19°46	n.a.	S 16
S 17	22 45 38	9°36'42	12♉52	24°20	18°59	6° 2	10° 3	11°59	0°59	13°25	4°20	29°30	28° 2	19°52	n.a.	S 17
M18	22 49 35	10°36'55	25°31	25°54	19°27	6°46	9°57	12° 5	0°57	13°27	4°20	29°27	27°59	19°59	n.a.	M18
T 19	22 53 31	11°37'11	7♊50	27°30	19°54	7°30	9°52	12°12	0°56	13°30	4°19	29°D26	27°55	20° 6	n.a.	T 19
W20	22 57 28	12°37'28	19°53	29° 6	20°19	8°15	9°46	12°18	0°54	13°32	4°19	29°26	27°52	20°12	n.a.	W20
T 21	23 1 24	13°37'48	1♋46	0♍43	20°42	8°59	9°41	12°24	0°53	13°34	4°19	29°27	27°49	20°19	n.a.	T 21
F 22	23 5 21	14°38'10	13°33	2°21	21° 4	9°43	9°35	12°31	0°51	13°36	4°18	29°29	27°46	20°26	n.a.	F 22
S 23	23 9 18	15°38'34	25°21	3°59	21°23	10°28	9°30	12°37	0°50	13°39	4°18	29°R30	27°43	20°32	n.a.	S 23
S 24	23 13 14	16°39'00	7♌12	5°37	21°41	11°12	9°25	12°44	0°48	13°41	4°18	29°30	27°40	20°39	n.a.	S 24
M25	23 17 11	17°39'28	19°12	7°16	21°57	11°57	9°20	12°50	0°47	13°43	4°18	29°28	27°36	20°45	n.a.	M25
T 26	23 21 7	18°39'58	1♍23	8°54	22°10	12°41	9°16	12°57	0°45	13°45	4°18	29°23	27°33	20°52	n.a.	T 26
W27	23 25 4	19°40'30	13°47	10°32	22°22	13°26	9°11	13° 3	0°43	13°48	4°17	29°16	27°30	20°59	n.a.	W27
T 28	23 29 0	20°41'03	26°24	12°11	22°31	14°10	9° 7	13°10	0°41	13°50	4°17	29° 8	27°27	21° 5	n.a.	T 28
F 29	23 32 57	21°41'39	9♎16	13°49	22°38	14°55	9° 3	13°17	0°40	13°52	4°17	28°58	27°24	21°12	n.a.	F 29
S 30	23 36 53	22♍42'16	22♎21	15♍27	22♎43	15♎40	8♒59	13♎23	0♉38	13♍54	4♂17	28♋48	27♋20	21♋19	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n54	4n14	4n31	18n11	0s 7	7s29	4s25	2n23	0n 8	19s14	1s47	2s 8	2n15	11n46	0s22	8n39	1n56	33s56	10s 7	20n30	20n46	21n41		n.a.
S 2	13 33	0s26	5 0	18 29	0n10	7 54	4 31	2 5	0 8	19 17	1 46	2 10	2 15	11 46	0 22	8 38	1 56	33 55	10 7	20 31	20 47	21 41		n.a.
S 3	13 13	5 10	5 13	18 43	0 27	8 18	4 38	1 47	0 7	19 19	1 46	2 13	2 15	11 46	0 22	8 37	1 56	33 55	10 7	20 32	20 47	21 41		n.a.
M 4	12 52	9 45	5 11	18 52	0 42	8 42	4 44	1 29	0 6	19 21	1 46	2 15	2 15	11 46	0 22	8 36	1 56	33 55	10 7	20 32	20 48	21 41		n.a.
T 5	12 32	13 58	4 51	18 58	0 56	9 6	4 50	1 11	0 6	19 23	1 46	2 17	2 14	11 45	0 22	8 35	1 56	33 55	10 7	20 32	20 49	21 41		n.a.
W 6	12 11	17 32	4 14	18 59	1 8	9 29	4 57	0 52	0 5	19 25	1 46	2 20	2 14	11 45	0 22	8 35	1 56	33 55	10 7	20 32	20 49	21 41		n.a.
T 7	11 49	20 9	3 22	18 56	1 19	9 51	5 3	0 34	0 4	19 27	1 46	2 22	2 14	11 45	0 22	8 34	1 56	33 55	10 6	20 32	20 50	21 41		n.a.
F 8	11 28	21 33	2 16	18 50	1 29	10 14	5 9	0 16	0 3	19 29	1 46	2 25	2 14	11 44	0 22	8 33	1 56	33 55	10 6	20 32	20 51	21 41		n.a.
S 9	11 6	21 31	1 0	18 40	1 37	10 35	5 15	0s 2	0 3	19 31	1 46	2 27	2 14	11 44	0 22	8 32	1 56	33 55	10 6	20 32	20 51	21 40		n.a.
S 10	10 44	20 0	0s21	18 26	1 44	10 56	5 21	0 21	0 2	19 33	1 46	2 30	2 14	11 44	0 22	8 31	1 56	33 54	10 6	20 31	20 52	21 40		n.a.
M11	10 22	17 5	1 40	18 10	1 50	11 17	5 27	0 39	0 1	19 34	1 46	2 32	2 13	11 43	0 22	8 30	1 56	33 54	10 6	20 32	20 53	21 40		n.a.
T 12	10 0	13 5	2 53	17 50	1 54	11 36	5 32	0 57	0 0	19 36	1 46	2 35	2 13	11 43	0 22	8 29	1 56	33 54	10 6	20 32	20 53	21 40		n.a.
W13	9 38	8 21	3 53	17 28	1 58	11 55	5 38	1 16	0s 0	19 38	1 46	2 37	2 13	11 43	0 22	8 28	1 56	33 54	10 5	20 33	20 54	21 40		n.a.
T 14	9 15	3 15	4 36	17 3	2 0	12 14	5 44	1 34	0 1	19 40	1 45	2 40	2 13	11 42	0 22	8 28	1 56	33 54	10 5	20 35	20 55	21 40		n.a.
F 15	8 52	1n53	5 3	16 35	2 2	12 32	5 49	1 53	0 2	19 41	1 45	2 43	2 13	11 42	0 22	8 27	1 56	33 54	10 5	20 36	20 55	21 40		n.a.
S 16	8 30	6 46	5 11	16 6	2 3	12 49	5 54	2 11	0 2	19 43	1 45	2 45	2 13	11 41	0 22	8 26	1 56	33 53	10 5	20 37	20 56	21 40		n.a.
S 17	8 7	11 11	5 3	15 35	2 3	13 5	5 59	2 29	0 3	19 44	1 45	2 48	2 13	11 41	0 22	8 25	1 56	33 53	10 5	20 38	20 57	21 40		n.a.
M18	7 43	14 59	4 40	15 2	2 2	13 20	6 4	2 48	0 4	19 46	1 45	2 50	2 12	11 40	0 22	8 24	1 56	33 53	10 5	20 39	20 57	21 40		n.a.
T 19	7 20	18 1	4 4	14 27	2 0	13 35	6 8	3 6	0 5	19 47	1 45	2 53	2 12	11 40	0 22	8 23	1 56	33 53	10 4	20 39	20 58	21 39		n.a.
W20	6 57	20 12	3 18	13 51	1 58	13 49	6 13	3 25	0 5	19 49	1 44	2 56	2 12	11 39	0 22	8 22	1 56	33 53	10 4	20 39	20 59	21 39		n.a.
T 21	6 33	21 28	2 25	13 13	1 56	14 2	6 17	3 43	0 6	19 50	1 44	2 58	2 12	11 39	0 22	8 21	1 56	33 53	10 4	20 39	20 59	21 39		n.a.
F 22	6 10	21 46	1 25	12 35	1 53	14 14	6 21	4 1	0 7	19 51	1 44	3 1	2 12	11 38	0 22	8 21	1 56	33 52	10 4	20 38	21 0	21 39		n.a.
S 23	5 46	21 6	0 23	11 56	1 49	14 25	6 25	4 20	0 7	19 52	1 44	3 4	2 12	11 38	0 22	8 20	1 56	33 52	10 4	20 38	21 0	21 39		n.a.
S 24	5 22	19 29	0n42	11 15	1 46	14 34	6 28	4 38	0 8	19 54	1 44	3 6	2 12	11 37	0 22	8 19	1 56	33 52	10 3	20 38	21 1	21 39		n.a.
M25	4 58	17 0	1 44	10 34	1 41	14 43	6 31	4 57	0 9	19 55	1 44	3 9	2 12	11 37	0 22	8 18	1 56	33 52	10 3	20 39	21 2	21 39		n.a.
T 26	4 34	13 43	2 43	9 52	1 37	14 51	6 34	5 15	0 10	19 56	1 43	3 12	2 11	11 36	0 22	8 17	1 56	33 52	10 3	20 40	21 2	21 38		n.a.
W27	4 10	9 48	3 35	9 10	1 32	14 58	6 36	5 33	0 10	19 57	1 43	3 14	2 11	11 35	0 22	8 16	1 56	33 51	10 3	20 41	21 3	21 38		n.a.
T 28	3 46	5 23	4 18	8 27	1 27	15 3	6 38	5 52	0 11	19 58	1 43	3 17	2 11	11 35	0 22	8 15	1 56	33 51	10 3	20 43	21 4	21 38		n.a.
F 29	3 21	0 40	4 48	7 44	1 22	15 7	6 40	6 10	0 12	19 59	1 43	3 20	2 11	11 34	0 22	8 14	1 56	33 51	10 2	20 45	21 4	21 38		n.a.
S 30	2n57	4s10	5n 4	7n 0	1n16	15s10	6s41	6s28	0s12	20s 0	1s43	3s23	2n11	11n33	0s22	8n14	1n56	33s51	10s 2	20n47	21n 5	21n38		n.a.

Julian Day Number = 1112429.5, Delta T = 10h50m57s
Ecliptic obliquity = 23°53'16, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'23, Lahiri = -26°57'23 Julian Calendar 1 Sept. 1668 BCE == Greg. Calendar 18 Aug. 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

OCTOBER 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 40 50	23♍42'54	5♏39	17♍ 4	22♎46	16♎25	8°R56	13♎30	0°R36	13♍56	4°R17	28°R39	27♋17	21♋25	n.a.	S 1
M 2	23 44 47	24°43'34	19° 7	18°42	22°R46	17°10	8♒52	13°37	0♉34	13°59	4°D17	28♋32	27°14	21°32	n.a.	M 2
T 3	23 48 43	25°44'15	2♐46	20°19	22°44	17°55	8°49	13°44	0°32	14° 1	4♑17	28°27	27°11	21°39	n.a.	T 3
W 4	23 52 40	26°44'58	16°35	21°56	22°39	18°40	8°46	13°51	0°30	14° 3	4°17	28°24	27° 8	21°45	n.a.	W 4
T 5	23 56 36	27°45'42	0♑33	23°33	22°32	19°25	8°43	13°57	0°28	14° 5	4°17	28°D24	27° 5	21°52	n.a.	T 5
F 6	0 0 33	28°46'28	14°40	25° 9	22°22	20°10	8°40	14° 4	0°26	14° 8	4°17	28°25	27° 1	21°59	n.a.	F 6
S 7	0 4 29	29°47'14	28°55	26°46	22°10	20°55	8°38	14°11	0°24	14°10	4°17	28°R25	26°58	22° 5	n.a.	S 7
S 8	0 8 26	0♎48'02	13♒16	28°22	21°56	21°40	8°35	14°18	0°22	14°12	4°17	28°24	26°55	22°12	n.a.	S 8
M 9	0 12 22	1°48'51	27°41	29°57	21°39	22°25	8°33	14°25	0°20	14°14	4°18	28°21	26°52	22°18	n.a.	M 9
T 10	0 16 19	2°49'41	12♓ 4	1♎33	21°19	23°11	8°31	14°32	0°18	14°16	4°18	28°15	26°49	22°25	n.a.	T 10
W11	0 20 16	3°50'32	26°21	3° 8	20°58	23°56	8°30	14°39	0°15	14°18	4°18	28° 6	26°46	22°32	n.a.	W11
T 12	0 24 12	4°51'25	10♈25	4°43	20°34	24°42	8°28	14°46	0°13	14°21	4°18	27°56	26°42	22°38	n.a.	T 12
F 13	0 28 9	5°52'19	24°12	6°18	20° 8	25°27	8°27	14°52	0°11	14°23	4°19	27°44	26°39	22°45	n.a.	F 13
S 14	0 32 5	6°53'14	7♉38	7°53	19°40	26°13	8°26	14°59	0° 9	14°25	4°19	27°32	26°36	22°52	n.a.	S 14
S 15	0 36 2	7°54'11	20°40	9°27	19°10	26°58	8°25	15° 6	0° 6	14°27	4°19	27°22	26°33	22°58	n.a.	S 15
M16	0 39 58	8°55'10	3♊21	11° 2	18°39	27°44	8°24	15°13	0° 4	14°29	4°20	27°15	26°30	23° 5	n.a.	M16
T 17	0 43 55	9°56'10	15°42	12°36	18° 7	28°29	8°24	15°20	0° 2	14°31	4°20	27° 9	26°26	23°12	n.a.	T 17
W18	0 47 51	10°57'11	27°46	14°10	17°33	29°15	8°24	15°27	29♈59	14°33	4°20	27° 7	26°23	23°18	n.a.	W18
T 19	0 51 48	11°58'14	9♋40	15°44	16°58	0♏ 1	8°D23	15°34	29°57	14°35	4°21	27°D 6	26°20	23°25	n.a.	T 19
F 20	0 55 45	12°59'18	21°28	17°18	16°22	0°47	8°24	15°41	29°54	14°37	4°21	27°R 6	26°17	23°32	n.a.	F 20
S 21	0 59 41	14° 0'23	3♌16	18°52	15°46	1°33	8°24	15°48	29°52	14°39	4°22	27° 6	26°14	23°38	n.a.	S 21
S 22	1 3 38	15° 1'30	15° 9	20°26	15°10	2°18	8°25	15°55	29°50	14°41	4°22	27° 4	26°11	23°45	n.a.	S 22
M23	1 7 34	16° 2'38	27°13	22° 0	14°34	3° 4	8°25	16° 2	29°47	14°43	4°23	27° 1	26° 7	23°52	n.a.	M23
T 24	1 11 31	17° 3'47	9♍31	23°34	13°57	3°50	8°26	16° 9	29°45	14°45	4°23	26°55	26° 4	23°58	n.a.	T 24
W25	1 15 27	18° 4'57	22° 6	25° 8	13°22	4°36	8°28	16°16	29°42	14°47	4°24	26°45	26° 1	24° 5	n.a.	W25
T 26	1 19 24	19° 6'08	5♎ 1	26°42	12°47	5°23	8°29	16°23	29°40	14°49	4°25	26°34	25°58	24°11	n.a.	T 26
F 27	1 23 20	20° 7'20	18°14	28°16	12°13	6° 9	8°31	16°30	29°37	14°51	4°25	26°20	25°55	24°18	n.a.	F 27
S 28	1 27 17	21° 8'32	1♏44	29°50	11°40	6°55	8°32	16°37	29°35	14°53	4°26	26° 7	25°51	24°25	n.a.	S 28
S 29	1 31 13	22° 9'46	15°27	1♏23	11° 9	7°41	8°35	16°44	29°32	14°55	4°27	25°54	25°48	24°31	n.a.	S 29
M30	1 35 10	23°11'00	29°21	2°57	10°39	8°27	8°37	16°51	29°29	14°57	4°27	25°44	25°45	24°38	n.a.	M30
T 31	1 39 7	24♎12'15	13♐21	4♏31	10♎11	9♏14	8♒39	16♎58	29♈27	14♍59	4♑28	25♋37	25♋42	24♋45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	2n32	8s53	5n 3	6n17	1n10	15s12	6s42	6s46	0s13	20s 0	1s42	3s25	2n11	11n33	0s22	8n13	1n56	33s51	10s 2	20n49	21n 6	21n38			n.a.
M 2	2 8	13 14	4 46	5 32	1 5	15 12	6 42	7 4	0 14	20 1	1 42	3 28	2 11	11 32	0 22	8 12	1 56	33 50	10 2	20 50	21 6	21 37			n.a.
T 3	1 43	16 58	4 13	4 48	0 59	15 11	6 41	7 23	0 14	20 2	1 42	3 31	2 11	11 31	0 22	8 11	1 56	33 50	10 2	20 51	21 7	21 37			n.a.
W 4	1 19	19 48	3 25	4 4	0 53	15 8	6 41	7 41	0 15	20 2	1 42	3 34	2 11	11 31	0 22	8 10	1 56	33 50	10 1	20 52	21 7	21 37			n.a.
T 5	0 54	21 30	2 23	3 19	0 46	15 4	6 39	7 59	0 16	20 3	1 41	3 36	2 11	11 30	0 22	8 9	1 56	33 50	10 1	20 52	21 8	21 37			n.a.
F 6	0 30	21 51	1 13	2 34	0 40	14 59	6 37	8 17	0 16	20 3	1 41	3 39	2 10	11 29	0 22	8 8	1 56	33 50	10 1	20 52	21 9	21 37			n.a.
S 7	0 5	20 48	0s 3	1 50	0 34	14 52	6 34	8 35	0 17	20 4	1 41	3 42	2 10	11 28	0 22	8 8	1 56	33 49	10 1	20 52	21 9	21 36			n.a.
S 8	0s19	18 24	1 18	1 5	0 27	14 43	6 31	8 52	0 18	20 4	1 41	3 45	2 10	11 28	0 22	8 7	1 56	33 49	10 1	20 52	21 10	21 36			n.a.
M 9	0 44	14 50	2 29	0 20	0 21	14 33	6 27	9 10	0 19	20 4	1 40	3 47	2 10	11 27	0 22	8 6	1 56	33 49	10 0	20 53	21 11	21 36			n.a.
T 10	1 9	10 24	3 31	0s24	0 14	14 21	6 22	9 28	0 19	20 5	1 40	3 50	2 10	11 26	0 22	8 5	1 56	33 49	10 0	20 54	21 11	21 36			n.a.
W11	1 33	5 24	4 18	1 9	0 8	14 7	6 17	9 46	0 20	20 5	1 40	3 53	2 10	11 25	0 22	8 4	1 56	33 49	10 0	20 56	21 12	21 35			n.a.
T 12	1 58	0 13	4 49	1 53	0 1	13 53	6 11	10 3	0 21	20 5	1 40	3 56	2 10	11 25	0 22	8 3	1 56	33 48	10 0	20 58	21 12	21 35			n.a.
F 13	2 22	4n53	5 2	2 37	0s 5	13 36	6 4	10 21	0 21	20 5	1 39	3 58	2 10	11 24	0 22	8 3	1 56	33 48	9 59	21 0	21 13	21 35			n.a.
S 14	2 47	9 37	4 58	3 21	0 11	13 18	5 56	10 38	0 22	20 5	1 39	4 1	2 10	11 23	0 22	8 2	1 56	33 48	9 59	21 3	21 14	21 35			n.a.
S 15	3 12	13 47	4 38	4 5	0 18	12 59	5 48	10 56	0 23	20 5	1 39	4 4	2 10	11 22	0 22	8 1	1 56	33 48	9 59	21 5	21 14	21 34			n.a.
M16	3 36	17 12	4 5	4 49	0 24	12 38	5 38	11 13	0 23	20 5	1 39	4 7	2 10	11 21	0 22	8 0	1 56	33 47	9 59	21 6	21 15	21 34			n.a.
T 17	4 0	19 46	3 21	5 32	0 31	12 16	5 28	11 30	0 24	20 5	1 38	4 10	2 10	11 20	0 22	7 59	1 56	33 47	9 59	21 7	21 16	21 34			n.a.
W18	4 25	21 23	2 29	6 15	0 37	11 53	5 18	11 48	0 24	20 5	1 38	4 12	2 10	11 20	0 22	7 59	1 56	33 47	9 58	21 8	21 16	21 34			n.a.
T 19	4 49	22 1	1 31	6 58	0 43	11 29	5 6	12 5	0 25	20 5	1 38	4 15	2 10	11 19	0 22	7 58	1 57	33 47	9 58	21 8	21 17	21 33			n.a.
F 20	5 13	21 39	0 30	7 40	0 49	11 4	4 54	12 22	0 26	20 4	1 37	4 18	2 10	11 18	0 22	7 57	1 57	33 47	9 58	21 8	21 17	21 33			n.a.
S 21	5 37	20 19	0n33	8 22	0 55	10 38	4 42	12 39	0 26	20 4	1 37	4 21	2 10	11 17	0 22	7 56	1 57	33 46	9 58	21 8	21 18	21 33			n.a.
S 22	6 2	18 6	1 34	9 4	1 1	10 11	4 28	12 55	0 27	20 3	1 37	4 23	2 10	11 16	0 22	7 56	1 57	33 46	9 58	21 8	21 19	21 32			n.a.
M23	6 26	15 3	2 32	9 45	1 7	9 44	4 15	13 12	0 28	20 3	1 37	4 26	2 10	11 15	0 22	7 55	1 57	33 46	9 57	21 9	21 19	21 32			n.a.
T 24	6 49	11 18	3 25	10 26	1 12	9 17	4 0	13 29	0 28	20 2	1 36	4 29	2 10	11 14	0 22	7 54	1 57	33 46	9 57	21 10	21 20	21 32			n.a.
W25	7 13	6 58	4 8	11 6	1 18	8 50	3 46	13 45	0 29	20 2	1 36	4 32	2 9	11 14	0 22	7 53	1 57	33 45	9 57	21 12	21 20	21 32			n.a.
T 26	7 37	2 14	4 40	11 46	1 23	8 22	3 31	14 1	0 30	20 1	1 36	4 35	2 9	11 13	0 22	7 53	1 57	33 45	9 57	21 14	21 21	21 31			n.a.
F 27	8 0	2s42	4 57	12 26	1 28	7 54	3 16	14 18	0 30	20 0	1 36	4 37	2 9	11 12	0 22	7 52	1 57	33 45	9 57	21 17	21 22	21 31			n.a.
S 28	8 24	7 38	4 59	13 4	1 33	7 27	3 0	14 34	0 31	20 0	1 35	4 40	2 9	11 11	0 22	7 51	1 57	33 45	9 56	21 19	21 22	21 31			n.a.
S 29	8 47	12 16	4 43	13 42	1 38	7 1	2 45	14 50	0 31	19 59	1 35	4 43	2 9	11 10	0 22	7 50	1 57	33 45	9 56	21 22	21 23	21 30			n.a.
M30	9 10	16 19	4 11	14 20	1 43	6 34	2 29	15 5	0 32	19 58	1 35	4 45	2 9	11 9	0 22	7 50	1 57	33 44	9 56	21 24	21 23	21 30			n.a.
T 31	9s33	19s28	3n23	14s56	1s47	6s 9	2s13	15s21	0s33	19s57	1s34	4s48	2n 9	11n 8	0s22	7n49	1n57	33s44	9s56	21n25	21n24	21n30			n.a.

Julian Day Number = 1112459.5, Delta T = 10h50m55s
Ecliptic obliquity = 23°53'17, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'19, Lahiri = -26°57'19 Julian Calendar 1 Oct. 1668 BCE == Greg. Calendar 17 Sept. 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

NOVEMBER 1668 BCE (-1667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 43 3	25♎13'30	27♐25	6♏ 5	9°R45	10♏ 0	8♒42	17♎ 5	29°R24	15♍ 0	4♑29	25°R32	25♋39	24♋51	n.a.	W 1
T 2	1 47 0	26°14'46	11♑30	7°39	9♎21	10°46	8°45	17°12	29♈22	15° 2	4°30	25♋31	25°36	24°58	n.a.	T 2
F 3	1 50 56	27°16'02	25°35	9°12	9° 0	11°33	8°48	17°19	29°19	15° 4	4°30	25°30	25°32	25° 5	n.a.	F 3
S 4	1 54 53	28°17'18	9♒38	10°46	8°40	12°19	8°51	17°26	29°17	15° 6	4°31	25°30	25°29	25°11	n.a.	S 4
S 5	1 58 49	29°18'34	23°41	12°19	8°23	13° 6	8°54	17°33	29°14	15° 8	4°32	25°29	25°26	25°18	n.a.	S 5
M 6	2 2 46	0♏19'50	7♓41	13°52	8° 8	13°52	8°58	17°40	29°12	15° 9	4°33	25°25	25°23	25°25	n.a.	M 6
T 7	2 6 43	1°21'06	21°37	15°25	7°55	14°39	9° 2	17°47	29° 9	15°11	4°34	25°18	25°20	25°31	n.a.	T 7
W 8	2 10 39	2°22'23	5♈26	16°58	7°46	15°25	9° 6	17°54	29° 6	15°13	4°35	25° 8	25°17	25°38	n.a.	W 8
T 9	2 14 36	3°23'40	19° 5	18°30	7°38	16°12	9°10	18° 1	29° 4	15°14	4°36	24°56	25°13	25°44	n.a.	T 9
F 10	2 18 32	4°24'57	2♉32	20° 1	7°33	16°59	9°14	18° 8	29° 1	15°16	4°37	24°43	25°10	25°51	n.a.	F 10
S 11	2 22 29	5°26'14	15°42	21°32	7°D31	17°45	9°19	18°14	28°59	15°18	4°38	24°29	25° 7	25°58	n.a.	S 11
S 12	2 26 25	6°27'31	28°35	23° 1	7°31	18°32	9°24	18°21	28°56	15°19	4°39	24°18	25° 4	26° 4	n.a.	S 12
M13	2 30 22	7°28'49	11♊ 9	24°30	7°34	19°19	9°29	18°28	28°54	15°21	4°40	24° 8	25° 1	26°11	n.a.	M13
T 14	2 34 18	8°30'07	23°27	25°57	7°39	20° 5	9°34	18°35	28°51	15°22	4°41	24° 1	24°57	26°18	n.a.	T 14
W15	2 38 15	9°31'26	5♋31	27°23	7°46	20°52	9°39	18°41	28°49	15°24	4°42	23°57	24°54	26°24	n.a.	W15
T 16	2 42 12	10°32'45	17°25	28°47	7°56	21°39	9°45	18°48	28°46	15°25	4°43	23°56	24°51	26°31	n.a.	T 16
F 17	2 46 8	11°34'04	29°13	0♐ 8	8° 7	22°26	9°50	18°55	28°44	15°27	4°44	23°D56	24°48	26°38	n.a.	F 17
S 18	2 50 5	12°35'23	11♌ 0	1°27	8°22	23°13	9°56	19° 1	28°41	15°28	4°45	23°R56	24°45	26°44	n.a.	S 18
S 19	2 54 1	13°36'42	22°53	2°43	8°38	24° 0	10° 2	19° 8	28°39	15°29	4°47	23°56	24°42	26°51	n.a.	S 19
M20	2 57 58	14°38'01	4♍57	3°54	8°56	24°47	10° 8	19°15	28°36	15°31	4°48	23°54	24°38	26°58	n.a.	M20
T 21	3 1 54	15°39'21	17°17	5° 2	9°16	25°34	10°15	19°21	28°34	15°32	4°49	23°49	24°35	27° 4	n.a.	T 21
W22	3 5 51	16°40'40	29°57	6° 4	9°39	26°21	10°21	19°28	28°31	15°34	4°50	23°42	24°32	27°11	n.a.	W22
T 23	3 9 48	17°42'00	13♎ 0	7° 0	10° 3	27° 8	10°28	19°34	28°29	15°35	4°51	23°33	24°29	27°18	n.a.	T 23
F 24	3 13 44	18°43'19	26°27	7°50	10°28	27°55	10°35	19°41	28°27	15°36	4°53	23°22	24°26	27°24	n.a.	F 24
S 25	3 17 41	19°44'38	10♏15	8°32	10°56	28°42	10°42	19°47	28°24	15°37	4°54	23°10	24°23	27°31	n.a.	S 25
S 26	3 21 37	20°45'57	24°23	9° 5	11°25	29°29	10°49	19°53	28°22	15°38	4°55	23° 0	24°19	27°37	n.a.	S 26
M27	3 25 34	21°47'16	8♐44	9°29	11°56	0♐16	10°56	20° 0	28°20	15°40	4°57	22°51	24°16	27°44	n.a.	M27
T 28	3 29 30	22°48'34	23°12	9°43	12°28	1° 3	11° 4	20° 6	28°17	15°41	4°58	22°45	24°13	27°51	n.a.	T 28
W29	3 33 27	23°49'51	7♑42	9°R46	13° 2	1°50	11°12	20°12	28°15	15°42	4°59	22°42	24°10	27°57	n.a.	W29
T 30	3 37 24	24♏51'08	22♑ 7	9♐37	13♎38	2♐37	11♒19	20♎18	28♈13	15♍43	5♑ 1	22°D41	24♋ 7	28♋ 4	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s56	21s29	2n23	15s32	1s51	5s44	1s58	15s37	0s33	19s56	1s34	4s51	2n 9	11n 7	0s22	7n48	1n57	33s44	9s56	21n26	21n25	21n29		n.a.
T 2	10 19	22 10	1 13	16 7	1 55	5 20	1 42	15 52	0 34	19 55	1 34	4 54	2 9	11 6	0 22	7 48	1 57	33 44	9 55	21 26	21 25	21 29		n.a.
F 3	10 41	21 26	0s 0	16 42	1 58	4 57	1 27	16 7	0 34	19 54	1 34	4 56	2 9	11 5	0 22	7 47	1 57	33 43	9 55	21 26	21 26	21 29		n.a.
S 4	11 4	19 21	1 14	17 15	2 1	4 36	1 12	16 23	0 35	19 53	1 33	4 59	2 9	11 4	0 22	7 46	1 57	33 43	9 55	21 26	21 26	21 28		n.a.
S 5	11 26	16 7	2 23	17 47	2 4	4 15	0 57	16 38	0 36	19 52	1 33	5 2	2 9	11 4	0 22	7 46	1 57	33 43	9 55	21 27	21 27	21 28		n.a.
M 6	11 48	11 59	3 23	18 19	2 7	3 56	0 42	16 52	0 36	19 50	1 33	5 4	2 9	11 3	0 22	7 45	1 57	33 43	9 55	21 27	21 28	21 27		n.a.
T 7	12 10	7 13	4 11	18 49	2 9	3 38	0 28	17 7	0 37	19 49	1 32	5 7	2 9	11 2	0 22	7 44	1 57	33 43	9 55	21 29	21 28	21 27		n.a.
W 8	12 31	2 7	4 43	19 18	2 10	3 21	0 14	17 22	0 37	19 48	1 32	5 10	2 9	11 1	0 22	7 44	1 57	33 42	9 54	21 30	21 29	21 27		n.a.
T 9	12 53	3n 1	4 59	19 45	2 12	3 6	0 1	17 36	0 38	19 46	1 32	5 12	2 9	11 0	0 22	7 43	1 57	33 42	9 54	21 33	21 29	21 26		n.a.
F 10	13 14	7 55	4 58	20 12	2 12	2 52	0n13	17 50	0 38	19 45	1 32	5 15	2 9	10 59	0 22	7 43	1 58	33 42	9 54	21 35	21 30	21 26		n.a.
S 11	13 35	12 23	4 40	20 37	2 12	2 39	0 25	18 4	0 39	19 43	1 31	5 17	2 10	10 58	0 22	7 42	1 58	33 42	9 54	21 37	21 31	21 26		n.a.
S 12	13 55	16 10	4 9	21 0	2 12	2 28	0 38	18 18	0 40	19 42	1 31	5 20	2 10	10 57	0 22	7 42	1 58	33 42	9 54	21 40	21 31	21 25		n.a.
M13	14 16	19 8	3 26	21 22	2 11	2 18	0 50	18 32	0 40	19 40	1 31	5 23	2 10	10 56	0 22	7 41	1 58	33 41	9 54	21 41	21 32	21 25		n.a.
T 14	14 36	21 9	2 34	21 42	2 9	2 9	1 1	18 45	0 41	19 39	1 31	5 25	2 10	10 55	0 22	7 40	1 58	33 41	9 53	21 42	21 32	21 24		n.a.
W15	14 56	22 10	1 36	22 0	2 7	2 2	1 12	18 58	0 41	19 37	1 30	5 28	2 10	10 54	0 22	7 40	1 58	33 41	9 53	21 43	21 33	21 24		n.a.
T 16	15 16	22 9	0 35	22 16	2 4	1 56	1 23	19 11	0 42	19 35	1 30	5 30	2 10	10 54	0 22	7 39	1 58	33 41	9 53	21 43	21 34	21 23		n.a.
F 17	15 35	21 9	0n28	22 31	2 0	1 52	1 33	19 24	0 42	19 33	1 30	5 33	2 10	10 53	0 22	7 39	1 58	33 41	9 53	21 43	21 34	21 23		n.a.
S 18	15 54	19 14	1 30	22 43	1 55	1 49	1 43	19 37	0 43	19 31	1 30	5 35	2 10	10 52	0 22	7 38	1 58	33 40	9 53	21 43	21 35	21 23		n.a.
S 19	16 13	16 28	2 28	22 53	1 49	1 47	1 52	19 49	0 43	19 30	1 29	5 38	2 10	10 51	0 22	7 38	1 58	33 40	9 53	21 43	21 35	21 22		n.a.
M20	16 32	12 58	3 20	23 0	1 43	1 46	2 1	20 2	0 44	19 28	1 29	5 40	2 10	10 50	0 22	7 37	1 58	33 40	9 53	21 44	21 36	21 22		n.a.
T 21	16 50	8 51	4 5	23 5	1 35	1 46	2 9	20 14	0 44	19 26	1 29	5 43	2 10	10 49	0 22	7 37	1 58	33 40	9 52	21 45	21 36	21 21		n.a.
W22	17 8	4 15	4 38	23 8	1 26	1 48	2 17	20 26	0 45	19 24	1 29	5 45	2 10	10 48	0 22	7 36	1 58	33 40	9 52	21 46	21 37	21 21		n.a.
T 23	17 26	0s40	4 58	23 8	1 16	1 50	2 25	20 37	0 45	19 21	1 28	5 48	2 10	10 47	0 22	7 36	1 58	33 39	9 52	21 48	21 38	21 20		n.a.
F 24	17 43	5 41	5 3	23 5	1 4	1 54	2 32	20 49	0 46	19 19	1 28	5 50	2 10	10 47	0 22	7 35	1 58	33 39	9 52	21 49	21 38	21 20		n.a.
S 25	18 0	10 35	4 50	22 59	0 52	1 59	2 39	21 0	0 46	19 17	1 28	5 52	2 10	10 46	0 22	7 35	1 58	33 39	9 52	21 51	21 39	21 19		n.a.
S 26	18 17	15 2	4 20	22 51	0 38	2 4	2 45	21 11	0 47	19 15	1 28	5 55	2 10	10 45	0 22	7 35	1 58	33 39	9 52	21 53	21 39	21 19		n.a.
M27	18 33	18 41	3 32	22 40	0 23	2 11	2 51	21 22	0 47	19 13	1 27	5 57	2 10	10 44	0 22	7 34	1 59	33 39	9 52	21 55	21 40	21 19		n.a.
T 28	18 49	21 12	2 31	22 26	0 6	2 19	2 57	21 32	0 48	19 10	1 27	6 0	2 10	10 43	0 22	7 34	1 59	33 39	9 51	21 56	21 40	21 18		n.a.
W29	19 5	22 20	1 19	22 9	0n11	2 27	3 2	21 42	0 48	19 8	1 27	6 2	2 10	10 42	0 22	7 33	1 59	33 38	9 51	21 56	21 41	21 18		n.a.
T 30	19s20	21s59	0n 3	21s49	0n29	2s36	3n 7	21s52	0s49	19s 5	1s27	6s 4	2n11	10n42	0s22	7n33	1n59	33s38	9s51	21n56	21n42	21n17		n.a.

Julian Day Number = 1112490.5, Delta T = 10h50m53s
Ecliptic obliquity = 23°53'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'15, Lahiri = -26°57'15 Julian Calendar 1 Nov. 1668 BCE == Greg. Calendar 18 Oct. 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1668 BCE
geocentric

DECEMBER 1668 BCE (-1667) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 41 20	25♏52'24	6♒25	9°R17	14♎14	3♐25	11♒27	20♎25	28°R11	15♍44	5♉ 2	22♋41	24♋ 3	28♋11	n.a.	F 1
S 2	3 45 17	26°53'38	20°34	8♐45	14°52	4°12	11°35	20°31	28♈ 8	15°45	5° 4	22°R42	24° 0	28°17	n.a.	S 2
S 3	3 49 13	27°54'52	4♓32	8° 1	15°31	4°59	11°44	20°37	28° 6	15°46	5° 5	22°42	23°57	28°24	n.a.	S 3
M 4	3 53 10	28°56'05	18°19	7° 7	16°12	5°46	11°52	20°43	28° 4	15°47	5° 6	22°40	23°54	28°31	n.a.	M 4
T 5	3 57 6	29°57'17	1♈55	6° 5	16°53	6°33	12° 1	20°49	28° 2	15°48	5° 8	22°36	23°51	28°37	n.a.	T 5
W 6	4 1 3	0♐58'27	15°20	4°55	17°36	7°21	12° 9	20°55	28° 0	15°49	5° 9	22°29	23°48	28°44	n.a.	W 6
T 7	4 4 59	1°59'37	28°34	3°40	18°20	8° 8	12°18	21° 1	27°58	15°50	5°11	22°21	23°44	28°51	n.a.	T 7
F 8	4 8 56	3° 0'46	11♉35	2°23	19° 4	8°55	12°27	21° 6	27°56	15°50	5°12	22°12	23°41	28°57	n.a.	F 8
S 9	4 12 53	4° 1'53	24°24	1° 5	19°50	9°43	12°36	21°12	27°54	15°51	5°14	22° 3	23°38	29° 4	n.a.	S 9
S 10	4 16 49	5° 3'00	6♊59	29♏50	20°37	10°30	12°45	21°18	27°52	15°52	5°15	21°54	23°35	29°11	n.a.	S 10
M11	4 20 46	6° 4'06	19°21	28°39	21°24	11°17	12°55	21°24	27°50	15°53	5°17	21°48	23°32	29°17	n.a.	M11
T 12	4 24 42	7° 5'11	1♋31	27°33	22°13	12° 4	13° 4	21°29	27°49	15°53	5°19	21°43	23°29	29°24	n.a.	T 12
W13	4 28 39	8° 6'15	13°30	26°35	23° 2	12°52	13°14	21°35	27°47	15°54	5°20	21°41	23°25	29°30	n.a.	W13
T 14	4 32 35	9° 7'18	25°22	25°45	23°53	13°39	13°24	21°40	27°45	15°55	5°22	21°D41	23°22	29°37	n.a.	T 14
F 15	4 36 32	10° 8'21	7♌ 9	25° 4	24°44	14°26	13°33	21°46	27°43	15°55	5°23	21°42	23°19	29°44	n.a.	F 15
S 16	4 40 29	11° 9'22	18°57	24°32	25°35	15°14	13°43	21°51	27°42	15°56	5°25	21°43	23°16	29°50	n.a.	S 16
S 17	4 44 25	12°10'22	0♍49	24° 9	26°28	16° 1	13°53	21°56	27°40	15°56	5°27	21°45	23°13	29°57	n.a.	S 17
M18	4 48 22	13°11'22	12°52	23°54	27°21	16°48	14° 4	22° 2	27°38	15°57	5°28	21°R46	23° 9	0♌ 4	n.a.	M18
T 19	4 52 18	14°12'20	25° 9	23°D48	28°15	17°36	14°14	22° 7	27°37	15°57	5°30	21°45	23° 6	0°10	n.a.	T 19
W20	4 56 15	15°13'17	7♎47	23°50	29° 9	18°23	14°24	22°12	27°35	15°58	5°31	21°43	23° 3	0°17	n.a.	W20
T 21	5 0 11	16°14'14	20°48	23°59	0♏ 4	19°10	14°35	22°17	27°34	15°58	5°33	21°39	23° 0	0°24	n.a.	T 21
F 22	5 4 8	17°15'09	4♏16	24°15	1° 0	19°58	14°46	22°22	27°32	15°59	5°35	21°34	22°57	0°30	n.a.	F 22
S 23	5 8 4	18°16'03	18°10	24°37	1°56	20°45	14°56	22°27	27°31	15°59	5°36	21°28	22°54	0°37	n.a.	S 23
S 24	5 12 1	19°16'56	2♐29	25° 5	2°53	21°33	15° 7	22°32	27°30	15°59	5°38	21°23	22°50	0°44	n.a.	S 24
M25	5 15 58	20°17'47	17° 7	25°38	3°50	22°20	15°18	22°37	27°28	15°59	5°40	21°19	22°47	0°50	n.a.	M25
T 26	5 19 54	21°18'38	1♑58	26°16	4°48	23° 7	15°29	22°41	27°27	16° 0	5°41	21°16	22°44	0°57	n.a.	T 26
W27	5 23 51	22°19'26	16°54	26°58	5°46	23°55	15°41	22°46	27°26	16° 0	5°43	21°D15	22°41	1° 4	n.a.	W27
T 28	5 27 47	23°20'13	1♒45	27°45	6°45	24°42	15°52	22°50	27°25	16° 0	5°45	21°15	22°38	1°10	n.a.	T 28
F 29	5 31 44	24°20'59	16°27	28°35	7°44	25°29	16° 3	22°55	27°24	16° 0	5°47	21°16	22°35	1°17	n.a.	F 29
S 30	5 35 40	25°21'42	0♓53	29°29	8°43	26°17	16°15	22°59	27°23	16° 0	5°48	21°18	22°31	1°23	n.a.	S 30
S 31	5 39 37	26♐22'23	15♓ 1	0♐26	9♏43	27♐ 4	16♒26	23♎ 4	27♈22	16♍ 0	5♉50	21♋19	22♋28	1♌30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s35	20s12	1s13	21s27	0n49	2s46	3n12	22s 2	0s49	19s 3	1s26	6s 6	2n11	10n41	0s22	7n33	1n59	33s38	9s51	21n56	21n42	21n17		n.a.
S 2	19 50	17 10	2 24	21 3	1 8	2 57	3 16	22 12	0 50	19 0	1 26	6 9	2 11	10 40	0 22	7 32	1 59	33 38	9 51	21 56	21 43	21 16		n.a.
S 3	20 4	13 12	3 25	20 37	1 28	3 9	3 20	22 21	0 50	18 58	1 26	6 11	2 11	10 39	0 22	7 32	1 59	33 38	9 51	21 56	21 43	21 16		n.a.
M 4	20 18	8 35	4 14	20 9	1 47	3 21	3 24	22 30	0 51	18 55	1 26	6 13	2 11	10 39	0 22	7 32	1 59	33 38	9 51	21 57	21 44	21 15		n.a.
T 5	20 31	3 36	4 47	19 40	2 6	3 34	3 28	22 39	0 51	18 53	1 25	6 15	2 11	10 38	0 22	7 31	1 59	33 37	9 51	21 57	21 44	21 15		n.a.
W 6	20 44	1n29	5 4	19 10	2 23	3 48	3 31	22 48	0 52	18 50	1 25	6 17	2 11	10 37	0 22	7 31	1 59	33 37	9 51	21 58	21 45	21 14		n.a.
T 7	20 57	6 25	5 5	18 40	2 40	4 2	3 34	22 56	0 52	18 47	1 25	6 20	2 11	10 36	0 22	7 31	1 59	33 37	9 51	22 0	21 45	21 13		n.a.
F 8	21 9	11 0	4 50	18 11	2 54	4 17	3 36	23 4	0 52	18 44	1 25	6 22	2 11	10 36	0 22	7 31	1 59	33 37	9 50	22 1	21 46	21 13		n.a.
S 9	21 21	15 2	4 20	17 44	3 6	4 32	3 39	23 12	0 53	18 41	1 25	6 24	2 11	10 35	0 22	7 30	1 59	33 37	9 50	22 3	21 47	21 12		n.a.
S 10	21 32	18 18	3 38	17 19	3 15	4 48	3 41	23 19	0 53	18 39	1 24	6 26	2 12	10 34	0 22	7 30	1 59	33 37	9 50	22 4	21 47	21 12		n.a.
M11	21 43	20 42	2 46	16 56	3 23	5 4	3 42	23 26	0 54	18 36	1 24	6 28	2 12	10 34	0 22	7 30	1 59	33 36	9 50	22 5	21 48	21 11		n.a.
T 12	21 54	22 6	1 47	16 37	3 28	5 21	3 44	23 33	0 54	18 33	1 24	6 30	2 12	10 33	0 22	7 30	2 0	33 36	9 50	22 6	21 48	21 11		n.a.
W13	22 4	22 27	0 44	16 21	3 30	5 38	3 45	23 40	0 55	18 30	1 24	6 32	2 12	10 32	0 22	7 30	2 0	33 36	9 50	22 6	21 49	21 10		n.a.
T 14	22 14	21 47	0n20	16 9	3 31	5 56	3 46	23 46	0 55	18 27	1 24	6 34	2 12	10 32	0 22	7 29	2 0	33 36	9 50	22 6	21 49	21 10		n.a.
F 15	22 23	20 10	1 23	16 0	3 30	6 14	3 47	23 53	0 55	18 24	1 23	6 36	2 12	10 31	0 22	7 29	2 0	33 36	9 50	22 6	21 50	21 9		n.a.
S 16	22 32	17 41	2 23	15 55	3 26	6 32	3 48	23 58	0 56	18 20	1 23	6 38	2 12	10 31	0 22	7 29	2 0	33 36	9 50	22 6	21 50	21 8		n.a.
S 17	22 40	14 27	3 17	15 54	3 22	6 51	3 48	24 4	0 56	18 17	1 23	6 40	2 12	10 30	0 22	7 29	2 0	33 36	9 50	22 6	21 51	21 8		n.a.
M18	22 48	10 35	4 3	15 56	3 16	7 10	3 49	24 9	0 56	18 14	1 23	6 42	2 12	10 29	0 22	7 29	2 0	33 36	9 50	22 6	21 52	21 7		n.a.
T 19	22 56	6 13	4 39	16 1	3 10	7 30	3 49	24 14	0 57	18 11	1 23	6 43	2 13	10 29	0 22	7 29	2 0	33 35	9 50	22 6	21 52	21 7		n.a.
W20	23 3	1 29	5 3	16 9	3 2	7 49	3 49	24 19	0 57	18 8	1 22	6 45	2 13	10 28	0 22	7 29	2 0	33 35	9 50	22 6	21 53	21 6		n.a.
T 21	23 10	3s28	5 12	16 19	2 54	8 9	3 48	24 23	0 57	18 4	1 22	6 47	2 13	10 28	0 22	7 28	2 0	33 35	9 50	22 7	21 53	21 6		n.a.
F 22	23 16	8 24	5 5	16 31	2 45	8 29	3 48	24 28	0 58	18 1	1 22	6 49	2 13	10 27	0 22	7 28	2 0	33 35	9 50	22 7	21 54	21 5		n.a.
S 23	23 21	13 6	4 39	16 46	2 36	8 49	3 47	24 32	0 58	17 57	1 22	6 50	2 13	10 27	0 22	7 28	2 0	33 35	9 50	22 8	21 54	21 4		n.a.
S 24	23 27	17 12	3 56	17 2	2 26	9 10	3 46	24 35	0 58	17 54	1 22	6 52	2 13	10 26	0 22	7 28	2 0	33 35	9 50	22 9	21 55	21 4		n.a.
M25	23 31	20 20	2 56	17 19	2 17	9 30	3 45	24 38	0 59	17 51	1 21	6 54	2 13	10 26	0 21	7 28	2 0	33 35	9 50	22 10	21 55	21 3		n.a.
T 26	23 36	22 9	1 44	17 38	2 7	9 51	3 44	24 41	0 59	17 47	1 21	6 55	2 14	10 26	0 21	7 28	2 1	33 35	9 50	22 10	21 56	21 2		n.a.
W27	23 40	22 24	0 24	17 57	1 57	10 11	3 43	24 44	0 59	17 43	1 21	6 57	2 14	10 25	0 21	7 28	2 1	33 35	9 50	22 10	21 56	21 2		n.a.
T 28	23 43	21 4	0s58	18 18	1 47	10 32	3 42	24 46	1 0	17 40	1 21	6 59	2 14	10 25	0 21	7 28	2 1	33 35	9 50	22 10	21 57	21 1		n.a.
F 29	23 46	18 20	2 14	18 39	1 36	10 53	3 40	24 49	1 0	17 36	1 21	7 0	2 14	10 24	0 21	7 28	2 1	33 34	9 50	22 10	21 57	21 1		n.a.
S 30	23 48	14 29	3 21	19 1	1 26	11 14	3 38	24 50	1 0	17 33	1 21	7 2	2 14	10 24	0 21	7 28	2 1	33 34	9 50	22 10	21 58	21 0		n.a.
S 31	23s50	9s54	4s14	19s23	1n16	11s35	3n36	24s52	1s 1	17s29	1s20	7s 3	2n14	10n24	0s21	7n28	2n 1	33s34	9s50	22n10	21n59	20n59		n.a.

Julian Day Number = 1112520.5, Delta T = 10h50m51s
Ecliptic obliquity = 23°53'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'11, Lahiri = -26°57'11 Julian Calendar 1 Dec. 1668 BCE == Greg. Calendar 17 Nov. 1668 BCE

The year -1667 astronomical counting style corresponds to year 1668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

JANUARY 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 43 33	27♐23'02	28♓50	1♐25	10♏44	27♐51	16♒38	23♎ 8	27°R21	16°R 0	5♑52	21°R19	22♋25	1♌37	n.a.	M 1
T 2	5 47 30	28°23'40	12♈19	2°27	11°44	28°39	16°50	23°12	27♈20	16♍ 0	5°53	21♋19	22°22	1°43	n.a.	T 2
W 3	5 51 27	29°24'15	25°31	3°32	12°45	29°26	17° 2	23°16	27°19	16° 0	5°55	21°17	22°19	1°50	n.a.	W 3
T 4	5 55 23	0♑24'49	8♉27	4°39	13°47	0♑13	17°13	23°20	27°18	16° 0	5°57	21°14	22°15	1°57	n.a.	T 4
F 5	5 59 20	1°25'20	21° 8	5°48	14°49	1° 0	17°25	23°24	27°17	16° 0	5°59	21°11	22°12	2° 3	n.a.	F 5
S 6	6 3 16	2°25'50	3♊37	6°59	15°51	1°48	17°38	23°28	27°17	16° 0	6° 0	21° 8	22° 9	2°10	n.a.	S 6
S 7	6 7 13	3°26'17	15°54	8°12	16°53	2°35	17°50	23°32	27°16	16° 0	6° 2	21° 5	22° 6	2°17	n.a.	S 7
M 8	6 11 9	4°26'43	28° 2	9°26	17°56	3°22	18° 2	23°36	27°16	15°59	6° 4	21° 3	22° 3	2°23	n.a.	M 8
T 9	6 15 6	5°27'07	10♋ 2	10°42	18°59	4° 9	18°14	23°39	27°15	15°59	6° 5	21° 2	22° 0	2°30	n.a.	T 9
W10	6 19 3	6°27'29	21°55	12° 0	20° 2	4°57	18°27	23°43	27°15	15°59	6° 7	21°D 2	21°56	2°37	n.a.	W10
T 11	6 22 59	7°27'50	3♌44	13°19	21° 6	5°44	18°39	23°46	27°14	15°58	6° 9	21° 2	21°53	2°43	n.a.	T 11
F 12	6 26 56	8°28'08	15°31	14°40	22° 9	6°31	18°52	23°50	27°14	15°58	6°11	21° 3	21°50	2°50	n.a.	F 12
S 13	6 30 52	9°28'25	27°20	16° 2	23°14	7°18	19° 4	23°53	27°13	15°58	6°12	21° 4	21°47	2°57	n.a.	S 13
S 14	6 34 49	10°28'40	9♍14	17°25	24°18	8° 5	19°17	23°56	27°13	15°57	6°14	21° 5	21°44	3° 3	n.a.	S 14
M15	6 38 45	11°28'53	21°17	18°50	25°23	8°52	19°30	23°59	27°13	15°57	6°16	21° 6	21°41	3°10	n.a.	M15
T 16	6 42 42	12°29'04	3♎33	20°15	26°27	9°40	19°43	24° 2	27°13	15°56	6°18	21° 7	21°37	3°16	n.a.	T 16
W17	6 46 38	13°29'14	16° 6	21°42	27°32	10°27	19°55	24° 5	27°13	15°56	6°19	21°R 7	21°34	3°23	n.a.	W17
T 18	6 50 35	14°29'22	29° 2	23°10	28°38	11°14	20° 8	24° 8	27°13	15°55	6°21	21° 7	21°31	3°30	n.a.	T 18
F 19	6 54 31	15°29'28	12♏22	24°40	29°43	12° 1	20°21	24°11	27°D13	15°55	6°23	21° 6	21°28	3°36	n.a.	F 19
S 20	6 58 28	16°29'33	26°10	26°10	0♐49	12°48	20°34	24°14	27°13	15°54	6°25	21° 6	21°25	3°43	n.a.	S 20
S 21	7 2 25	17°29'35	10♐24	27°42	1°55	13°35	20°48	24°16	27°13	15°53	6°26	21° 5	21°21	3°50	n.a.	S 21
M22	7 6 21	18°29'36	25° 3	29°15	3° 1	14°22	21° 1	24°19	27°13	15°53	6°28	21° 5	21°18	3°56	n.a.	M22
T 23	7 10 18	19°29'35	10♑ 1	0♑48	4° 7	15° 9	21°14	24°21	27°13	15°52	6°30	21° 5	21°15	4° 3	n.a.	T 23
W24	7 14 14	20°29'32	25°10	2°23	5°13	15°56	21°27	24°23	27°13	15°51	6°31	21°D 5	21°12	4°10	n.a.	W24
T 25	7 18 11	21°29'27	10♒20	4° 0	6°20	16°43	21°41	24°26	27°14	15°51	6°33	21°R 5	21° 9	4°16	n.a.	T 25
F 26	7 22 7	22°29'20	25°23	5°37	7°27	17°30	21°54	24°28	27°14	15°50	6°35	21° 5	21° 6	4°23	n.a.	F 26
S 27	7 26 4	23°29'10	10♓10	7°15	8°33	18°16	22° 8	24°30	27°14	15°49	6°36	21° 4	21° 2	4°30	n.a.	S 27
S 28	7 30 0	24°28'58	24°35	8°55	9°40	19° 3	22°21	24°32	27°15	15°48	6°38	21° 4	20°59	4°36	n.a.	S 28
M29	7 33 57	25°28'43	8♈36	10°35	10°48	19°50	22°35	24°34	27°15	15°47	6°40	21° 4	20°56	4°43	n.a.	M29
T 30	7 37 54	26°28'26	22°11	12°17	11°55	20°37	22°48	24°35	27°16	15°46	6°41	21°D 4	20°53	4°50	n.a.	T 30
W31	7 41 50	27♑28'06	5♉22	14♑ 0	13♐ 2	21♑24	23♒ 2	24♎37	27♈17	15♍45	6♑43	21♋ 4	20♋50	4♌56	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23s52	4s55	4s51	19s45	1n 7	11s56	3n35	24s53	1s 1	17s25	1s20	7s 5	2n14	10n23	0s21	7n28	2n 1	33s34	9s50	22n10	21n59	20n59			n.a.
T 2	23 53	0n12	5 11	20 7	0 57	12 17	3 32	24 54	1 1	17 21	1 20	7 6	2 15	10 23	0 21	7 28	2 1	33 34	9 50	22 10	22 0	20 58			n.a.
W 3	23 53	5 11	5 14	20 29	0 47	12 37	3 30	24 55	1 1	17 18	1 20	7 7	2 15	10 23	0 21	7 29	2 1	33 34	9 50	22 10	22 0	20 57			n.a.
T 4	23 53	9 50	5 1	20 51	0 38	12 58	3 28	24 55	1 2	17 14	1 20	7 9	2 15	10 23	0 21	7 29	2 1	33 34	9 50	22 11	22 1	20 57			n.a.
F 5	23 53	13 59	4 33	21 13	0 28	13 19	3 25	24 55	1 2	17 10	1 20	7 10	2 15	10 22	0 21	7 29	2 1	33 34	9 50	22 11	22 1	20 56			n.a.
S 6	23 52	17 27	3 53	21 34	0 19	13 39	3 23	24 55	1 2	17 6	1 20	7 11	2 15	10 22	0 21	7 29	2 1	33 34	9 50	22 12	22 2	20 55			n.a.
S 7	23 51	20 6	3 2	21 55	0 10	14 0	3 20	24 54	1 2	17 2	1 19	7 13	2 15	10 22	0 21	7 29	2 1	33 34	9 50	22 12	22 2	20 55			n.a.
M 8	23 49	21 48	2 4	22 15	0 2	14 20	3 17	24 53	1 3	16 58	1 19	7 14	2 16	10 22	0 21	7 29	2 1	33 34	9 50	22 12	22 3	20 54			n.a.
T 9	23 46	22 30	1 1	22 35	0s 7	14 40	3 15	24 52	1 3	16 54	1 19	7 15	2 16	10 22	0 21	7 29	2 2	33 34	9 50	22 12	22 3	20 53			n.a.
W10	23 44	22 9	0n 5	22 54	0 15	15 0	3 12	24 51	1 3	16 50	1 19	7 16	2 16	10 21	0 21	7 30	2 2	33 34	9 50	22 13	22 4	20 52			n.a.
T 11	23 40	20 49	1 10	23 12	0 23	15 20	3 9	24 49	1 3	16 46	1 19	7 17	2 16	10 21	0 21	7 30	2 2	33 34	9 50	22 12	22 4	20 52			n.a.
F 12	23 37	18 35	2 12	23 30	0 31	15 40	3 5	24 47	1 4	16 42	1 19	7 19	2 16	10 21	0 21	7 30	2 2	33 34	9 50	22 12	22 5	20 51			n.a.
S 13	23 32	15 34	3 8	23 47	0 38	15 59	3 2	24 45	1 4	16 38	1 19	7 20	2 17	10 21	0 21	7 30	2 2	33 34	9 50	22 12	22 5	20 50			n.a.
S 14	23 28	11 54	3 57	24 2	0 46	16 19	2 59	24 42	1 4	16 33	1 18	7 21	2 17	10 21	0 21	7 30	2 2	33 34	9 50	22 12	22 6	20 50			n.a.
M15	23 23	7 44	4 36	24 17	0 53	16 37	2 56	24 39	1 4	16 29	1 18	7 22	2 17	10 21	0 21	7 31	2 2	33 34	9 50	22 12	22 6	20 49			n.a.
T 16	23 17	3 11	5 3	24 31	1 0	16 56	2 52	24 36	1 4	16 25	1 18	7 23	2 17	10 21	0 21	7 31	2 2	33 34	9 50	22 12	22 7	20 48			n.a.
W17	23 11	1s35	5 17	24 43	1 6	17 14	2 49	24 32	1 4	16 21	1 18	7 24	2 17	10 21	0 21	7 31	2 2	33 34	9 50	22 12	22 7	20 47			n.a.
T 18	23 5	6 26	5 15	24 55	1 12	17 33	2 45	24 29	1 5	16 16	1 18	7 24	2 17	10 21	0 21	7 31	2 2	33 34	9 50	22 12	22 8	20 47			n.a.
F 19	22 58	11 8	4 56	25 5	1 18	17 50	2 42	24 25	1 5	16 12	1 18	7 25	2 18	10 21	0 21	7 32	2 2	33 34	9 51	22 12	22 8	20 46			n.a.
S 20	22 51	15 26	4 20	25 13	1 24	18 8	2 38	24 20	1 5	16 8	1 18	7 26	2 18	10 21	0 21	7 32	2 2	33 34	9 51	22 12	22 9	20 45			n.a.
S 21	22 43	19 0	3 28	25 21	1 29	18 25	2 34	24 16	1 5	16 3	1 18	7 27	2 18	10 21	0 21	7 32	2 2	33 34	9 51	22 12	22 9	20 44			n.a.
M22	22 35	21 28	2 20	25 27	1 34	18 42	2 30	24 11	1 5	15 59	1 18	7 28	2 18	10 21	0 21	7 33	2 2	33 34	9 51	22 12	22 10	20 44			n.a.
T 23	22 26	22 29	1 1	25 31	1 38	18 58	2 27	24 5	1 5	15 54	1 17	7 28	2 18	10 21	0 21	7 33	2 3	33 34	9 51	22 12	22 10	20 43			n.a.
W24	22 17	21 52	0s23	25 35	1 43	19 14	2 23	24 0	1 5	15 50	1 17	7 29	2 19	10 21	0 21	7 33	2 3	33 34	9 51	22 12	22 11	20 42			n.a.
T 25	22 8	19 40	1 45	25 36	1 46	19 29	2 19	23 54	1 6	15 46	1 17	7 30	2 19	10 21	0 21	7 34	2 3	33 34	9 51	22 12	22 11	20 41			n.a.
F 26	21 58	16 7	3 0	25 36	1 50	19 45	2 15	23 48	1 6	15 41	1 17	7 30	2 19	10 22	0 21	7 34	2 3	33 34	9 51	22 12	22 12	20 40			n.a.
S 27	21 48	11 36	4 1	25 34	1 53	19 59	2 11	23 42	1 6	15 36	1 17	7 31	2 19	10 22	0 21	7 34	2 3	33 34	9 51	22 12	22 12	20 40			n.a.
S 28	21 38	6 32	4 45	25 31	1 56	20 13	2 7	23 35	1 6	15 32	1 17	7 31	2 19	10 22	0 21	7 35	2 3	33 34	9 52	22 12	22 13	20 39			n.a.
M29	21 27	1 16	5 11	25 25	1 58	20 27	2 3	23 29	1 6	15 27	1 17	7 32	2 20	10 22	0 21	7 35	2 3	33 34	9 52	22 12	22 13	20 38			n.a.
T 30	21 15	3n53	5 18	25 18	2 0	20 41	1 59	23 22	1 6	15 23	1 17	7 32	2 20	10 22	0 21	7 36	2 3	33 34	9 52	22 12	22 14	20 37			n.a.
W31	21s 3	8n43	5s 8	25s 9	2s 2	20s53	1n55	23s14	1s 6	15s18	1s17	7s33	2n20	10n23	0s20	7n36	2n 3	33s34	9s52	22n12	22n14	20n36			n.a.

Julian Day Number = 1112551.5, Delta T = 10h50m49s
Ecliptic obliquity = 23°53'16, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'07, Lahiri = -26°57'06 Julian Calendar 1 Jan. 1667 BCE == Greg. Calendar 18 Dec. 1668 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

FEBRUARY 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 45 47	28♉27'44	18♉11	15♉44	14♐10	22♉10	23♒15	24♎38	27♈17	15°R45	6♉45	21♋ 4	20♋46	5♌ 3	n.a.	T 1
F 2	7 49 43	29°27'19	0♊41	17°30	15°17	22°57	23°29	24°40	27°18	15♍44	6°46	21° 5	20°43	5°10	n.a.	F 2
S 3	7 53 40	0♒26'53	12°57	19°17	16°25	23°44	23°43	24°41	27°19	15°43	6°48	21° 6	20°40	5°16	n.a.	S 3
S 4	7 57 36	1°26'23	25° 2	21° 4	17°33	24°30	23°57	24°42	27°20	15°42	6°50	21° 7	20°37	5°23	n.a.	S 4
M 5	8 1 33	2°25'52	6♋59	22°54	18°41	25°17	24°11	24°44	27°21	15°40	6°51	21° 7	20°34	5°29	n.a.	M 5
T 6	8 5 29	3°25'18	18°50	24°44	19°49	26° 4	24°24	24°45	27°22	15°39	6°53	21°R 8	20°31	5°36	n.a.	T 6
W 7	8 9 26	4°24'42	0♌39	26°35	20°58	26°50	24°38	24°46	27°23	15°38	6°54	21° 8	20°27	5°43	n.a.	W 7
T 8	8 13 23	5°24'03	12°27	28°28	22° 6	27°37	24°52	24°47	27°24	15°37	6°56	21° 7	20°24	5°49	n.a.	T 8
F 9	8 17 19	6°23'23	24°16	0♒22	23°14	28°23	25° 6	24°47	27°25	15°36	6°57	21° 5	20°21	5°56	n.a.	F 9
S 10	8 21 16	7°22'40	6♍10	2°18	24°23	29° 9	25°20	24°48	27°26	15°35	6°59	21° 3	20°18	6° 3	n.a.	S 10
S 11	8 25 12	8°21'55	18° 9	4°14	25°32	29°56	25°34	24°49	27°27	15°34	7° 0	21° 0	20°15	6° 9	n.a.	S 11
M12	8 29 9	9°21'08	0♎18	6°12	26°40	0♒42	25°48	24°49	27°28	15°32	7° 2	20°57	20°12	6°16	n.a.	M12
T 13	8 33 5	10°20'19	12°37	8°11	27°49	1°28	26° 2	24°49	27°30	15°31	7° 3	20°55	20° 8	6°23	n.a.	T 13
W14	8 37 2	11°19'28	25°12	10°11	28°58	2°15	26°16	24°50	27°31	15°30	7° 5	20°53	20° 5	6°29	n.a.	W14
T 15	8 40 58	12°18'35	8♏ 4	12°12	0♉ 7	3° 1	26°30	24°50	27°32	15°29	7° 6	20°D52	20° 2	6°36	n.a.	T 15
F 16	8 44 55	13°17'41	21°17	14°14	1°16	3°47	26°45	24°R50	27°34	15°27	7° 8	20°52	19°59	6°43	n.a.	F 16
S 17	8 48 51	14°16'44	4♐54	16°16	2°26	4°33	26°59	24°50	27°35	15°26	7° 9	20°53	19°56	6°49	n.a.	S 17
S 18	8 52 48	15°15'46	18°56	18°19	3°35	5°19	27°13	24°50	27°37	15°25	7°11	20°55	19°52	6°56	n.a.	S 18
M19	8 56 44	16°14'45	3♑22	20°23	4°44	6° 6	27°27	24°49	27°38	15°23	7°12	20°56	19°49	7° 3	n.a.	M19
T 20	9 0 41	17°13'43	18°11	22°27	5°54	6°52	27°41	24°49	27°40	15°22	7°14	20°R57	19°46	7° 9	n.a.	T 20
W21	9 4 38	18°12'39	3♒15	24°31	7° 3	7°38	27°55	24°49	27°42	15°21	7°15	20°56	19°43	7°16	n.a.	W21
T 22	9 8 34	19°11'33	18°27	26°34	8°13	8°24	28°10	24°48	27°43	15°19	7°16	20°55	19°40	7°23	n.a.	T 22
F 23	9 12 31	20°10'24	3♓37	28°37	9°22	9°10	28°24	24°48	27°45	15°18	7°18	20°51	19°37	7°29	n.a.	F 23
S 24	9 16 27	21° 9'13	18°36	0♓39	10°32	9°55	28°38	24°47	27°47	15°16	7°19	20°47	19°33	7°36	n.a.	S 24
S 25	9 20 24	22° 8'00	3♈14	2°40	11°42	10°41	28°53	24°46	27°49	15°15	7°20	20°43	19°30	7°43	n.a.	S 25
M26	9 24 20	23° 6'44	17°27	4°40	12°52	11°27	29° 7	24°45	27°51	15°13	7°22	20°38	19°27	7°49	n.a.	M26
T 27	9 28 17	24° 5'26	1♉12	6°37	14° 2	12°13	29°21	24°44	27°53	15°12	7°23	20°35	19°24	7°56	n.a.	T 27
W28	9 32 13	25♒ 4'06	14♉29	8♓32	15♉12	12♒59	29♒35	24♎43	27♈55	15♍10	7♉24	20♋33	19♋21	8♌ 2	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s51	13n 2	4s43	24s58	2s 3	21s 6	1n51	23s 7	1s 6	15s13	1s17	7s33	2n20	10n23	0s20	7n36	2n 3	33s34	9s52	22n12	22n15	20n36		n.a.
F 2	20 39	16 41	4 5	24 46	2 3	21 17	1 47	22 59	1 6	15 9	1 17	7 34	2 20	10 23	0 20	7 37	2 3	33 34	9 52	22 12	22 15	20 35		n.a.
S 3	20 26	19 32	3 17	24 31	2 4	21 29	1 43	22 51	1 6	15 4	1 17	7 34	2 20	10 24	0 20	7 37	2 3	33 34	9 52	22 12	22 16	20 34		n.a.
S 4	20 13	21 28	2 20	24 14	2 3	21 40	1 39	22 43	1 6	14 59	1 16	7 34	2 21	10 24	0 20	7 38	2 3	33 34	9 53	22 12	22 16	20 33		n.a.
M 5	19 59	22 24	1 18	23 55	2 3	21 50	1 34	22 34	1 6	14 54	1 16	7 34	2 21	10 24	0 20	7 38	2 3	33 34	9 53	22 12	22 17	20 32		n.a.
T 6	19 45	22 20	0 13	23 34	2 1	21 59	1 30	22 25	1 6	14 50	1 16	7 35	2 21	10 25	0 20	7 39	2 3	33 34	9 53	22 12	22 17	20 31		n.a.
W 7	19 31	21 15	0n53	23 11	2 0	22 8	1 26	22 16	1 6	14 45	1 16	7 35	2 21	10 25	0 20	7 39	2 3	33 34	9 53	22 12	22 18	20 31		n.a.
T 8	19 16	19 14	1 55	22 46	1 57	22 17	1 22	22 7	1 6	14 40	1 16	7 35	2 21	10 25	0 20	7 40	2 3	33 34	9 53	22 12	22 18	20 30		n.a.
F 9	19 1	16 24	2 53	22 18	1 54	22 25	1 18	21 57	1 6	14 35	1 16	7 35	2 22	10 26	0 20	7 40	2 3	33 35	9 53	22 12	22 19	20 29		n.a.
S 10	18 46	12 53	3 44	21 49	1 51	22 32	1 14	21 48	1 6	14 30	1 16	7 35	2 22	10 26	0 20	7 41	2 4	33 35	9 54	22 12	22 19	20 28		n.a.
S 11	18 31	8 50	4 26	21 17	1 47	22 39	1 10	21 38	1 6	14 26	1 16	7 35	2 22	10 27	0 20	7 41	2 4	33 35	9 54	22 13	22 20	20 27		n.a.
M12	18 15	4 23	4 56	20 43	1 42	22 45	1 5	21 27	1 6	14 21	1 16	7 35	2 22	10 27	0 20	7 42	2 4	33 35	9 54	22 13	22 20	20 26		n.a.
T 13	17 59	0s18	5 12	20 7	1 37	22 51	1 1	21 17	1 6	14 16	1 16	7 35	2 22	10 28	0 20	7 42	2 4	33 35	9 54	22 14	22 21	20 25		n.a.
W14	17 42	5 3	5 15	19 29	1 32	22 56	0 57	21 6	1 6	14 11	1 16	7 35	2 23	10 28	0 20	7 43	2 4	33 35	9 54	22 14	22 21	20 24		n.a.
T 15	17 26	9 42	5 2	18 49	1 25	23 0	0 53	20 56	1 6	14 6	1 16	7 35	2 23	10 29	0 20	7 43	2 4	33 35	9 54	22 14	22 22	20 24		n.a.
F 16	17 8	14 2	4 32	18 7	1 18	23 4	0 49	20 44	1 6	14 1	1 16	7 35	2 23	10 29	0 20	7 44	2 4	33 35	9 55	22 14	22 22	20 23		n.a.
S 17	16 51	17 47	3 47	17 23	1 11	23 7	0 45	20 33	1 6	13 56	1 16	7 34	2 23	10 30	0 20	7 45	2 4	33 35	9 55	22 14	22 23	20 22		n.a.
S 18	16 34	20 38	2 47	16 37	1 3	23 9	0 41	20 22	1 6	13 51	1 16	7 34	2 23	10 30	0 20	7 45	2 4	33 35	9 55	22 14	22 23	20 21		n.a.
M19	16 16	22 15	1 35	15 49	0 54	23 11	0 37	20 10	1 6	13 46	1 16	7 34	2 24	10 31	0 20	7 46	2 4	33 36	9 55	22 13	22 24	20 20		n.a.
T 20	15 58	22 23	0 15	15 0	0 45	23 12	0 33	19 58	1 6	13 41	1 16	7 34	2 24	10 32	0 20	7 46	2 4	33 36	9 56	22 13	22 24	20 19		n.a.
W21	15 39	20 53	1s 7	14 9	0 36	23 13	0 29	19 46	1 6	13 36	1 16	7 33	2 24	10 32	0 20	7 47	2 4	33 36	9 56	22 13	22 25	20 18		n.a.
T 22	15 21	17 53	2 25	13 17	0 25	23 13	0 25	19 34	1 6	13 31	1 16	7 33	2 24	10 33	0 20	7 47	2 4	33 36	9 56	22 14	22 25	20 17		n.a.
F 23	15 2	13 40	3 33	12 24	0 15	23 12	0 21	19 21	1 6	13 26	1 16	7 33	2 24	10 34	0 20	7 48	2 4	33 36	9 56	22 14	22 25	20 16		n.a.
S 24	14 43	8 39	4 25	11 30	0 4	23 10	0 18	19 9	1 6	13 21	1 16	7 32	2 25	10 34	0 20	7 49	2 4	33 36	9 56	22 15	22 26	20 15		n.a.
S 25	14 24	3 14	4 59	10 36	0n 7	23 8	0 14	18 56	1 6	13 16	1 15	7 32	2 25	10 35	0 20	7 49	2 4	33 36	9 57	22 15	22 26	20 14		n.a.
M26	14 4	2n11	5 12	9 41	0 19	23 5	0 10	18 43	1 6	13 10	1 15	7 31	2 25	10 36	0 20	7 50	2 4	33 37	9 57	22 16	22 27	20 13		n.a.
T 27	13 44	7 19	5 8	8 46	0 31	23 2	0 6	18 30	1 6	13 5	1 15	7 31	2 25	10 37	0 20	7 50	2 4	33 37	9 57	22 17	22 27	20 13		n.a.
W28	13s24	11n56	4s46	7s52	0n42	22s58	0n 3	18s17	1s 5	13s 0	1s15	7s30	2n25	10n37	0s20	7n51	2n 4	33s37	9s57	22n17	22n28	20n12		n.a.

Julian Day Number = 1112582.5, Delta T = 10h50m47s
Ecliptic obliquity = 23°53'17, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°04'03, Lahiri = -26°57'02 Julian Calendar 1 Feb. 1667 BCE == Greg. Calendar 18 Jan. 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

MARCH 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 36 10	26♒ 2'43	27♉19	10♓25	16♉22	13♒44	29♒50	24°R42	27♈57	15°R 9	7♉25	20°D33	19♋18	8♌ 9	n.a.	T 1
F 2	9 40 6	27° 1'18	9♊48	12°14	17°32	14°30	0♓ 4	24♎41	27°59	15♍ 7	7°27	20♋33	19°14	8°16	n.a.	F 2
S 3	9 44 3	27°59'51	22° 0	14° 1	18°42	15°15	0°18	24°39	28° 1	15° 6	7°28	20°35	19°11	8°22	n.a.	S 3
S 4	9 48 0	28°58'21	3♋59	15°43	19°52	16° 1	0°33	24°38	28° 3	15° 4	7°29	20°36	19° 8	8°29	n.a.	S 4
M 5	9 51 56	29°56'49	15°50	17°22	21° 2	16°46	0°47	24°36	28° 5	15° 3	7°30	20°R38	19° 5	8°36	n.a.	M 5
T 6	9 55 53	0♓55'15	27°37	18°57	22°12	17°32	1° 1	24°35	28° 8	15° 1	7°31	20°37	19° 2	8°42	n.a.	T 6
W 7	9 59 49	1°53'38	9♌24	20°27	23°23	18°17	1°16	24°33	28°10	15° 0	7°33	20°35	18°58	8°49	n.a.	W 7
T 8	10 3 46	2°52'00	21°14	21°53	24°33	19° 3	1°30	24°31	28°12	14°58	7°34	20°32	18°55	8°56	n.a.	T 8
F 9	10 7 42	3°50'19	3♍ 9	23°14	25°44	19°48	1°44	24°29	28°15	14°56	7°35	20°26	18°52	9° 2	n.a.	F 9
S 10	10 11 39	4°48'37	15°11	24°30	26°54	20°33	1°58	24°27	28°17	14°55	7°36	20°19	18°49	9° 9	n.a.	S 10
S 11	10 15 35	5°46'52	27°21	25°42	28° 5	21°18	2°13	24°25	28°19	14°53	7°37	20°10	18°46	9°16	n.a.	S 11
M12	10 19 32	6°45'05	9♎41	26°48	29°15	22° 3	2°27	24°23	28°22	14°52	7°38	20° 2	18°43	9°22	n.a.	M12
T 13	10 23 29	7°43'17	22°11	27°49	0♒26	22°49	2°41	24°21	28°24	14°50	7°39	19°54	18°39	9°29	n.a.	T 13
W14	10 27 25	8°41'27	4♏54	28°45	1°36	23°34	2°56	24°18	28°27	14°48	7°40	19°48	18°36	9°36	n.a.	W14
T 15	10 31 22	9°39'36	17°51	29°36	2°47	24°19	3°10	24°16	28°30	14°47	7°41	19°43	18°33	9°42	n.a.	T 15
F 16	10 35 18	10°37'43	1♐ 5	0♈21	3°58	25° 4	3°24	24°13	28°32	14°45	7°42	19°41	18°30	9°49	n.a.	F 16
S 17	10 39 15	11°35'48	14°36	1° 1	5° 9	25°48	3°38	24°11	28°35	14°44	7°43	19°D41	18°27	9°56	n.a.	S 17
S 18	10 43 11	12°33'52	28°27	1°35	6°19	26°33	3°52	24° 8	28°38	14°42	7°44	19°41	18°23	10° 2	n.a.	S 18
M19	10 47 8	13°31'54	12♉38	2° 4	7°30	27°18	4° 7	24° 5	28°40	14°40	7°45	19°R42	18°20	10° 9	n.a.	M19
T 20	10 51 4	14°29'55	27° 9	2°27	8°41	28° 3	4°21	24° 3	28°43	14°39	7°45	19°42	18°17	10°16	n.a.	T 20
W21	10 55 1	15°27'54	11♒56	2°45	9°52	28°48	4°35	24° 0	28°46	14°37	7°46	19°40	18°14	10°22	n.a.	W21
T 22	10 58 57	16°25'52	26°54	2°57	11° 3	29°32	4°49	23°57	28°49	14°35	7°47	19°36	18°11	10°29	n.a.	T 22
F 23	11 2 54	17°23'48	11♓54	3° 4	12°14	0♓17	5° 3	23°54	28°51	14°34	7°48	19°30	18° 8	10°36	n.a.	F 23
S 24	11 6 51	18°21'42	26°48	3°R 6	13°25	1° 1	5°17	23°51	28°54	14°32	7°49	19°21	18° 4	10°42	n.a.	S 24
S 25	11 10 47	19°19'34	11♈27	3° 2	14°36	1°46	5°32	23°47	28°57	14°30	7°49	19°12	18° 1	10°49	n.a.	S 25
M26	11 14 44	20°17'25	25°43	2°54	15°48	2°30	5°46	23°44	29° 0	14°29	7°50	19° 3	17°58	10°56	n.a.	M26
T 27	11 18 40	21°15'14	9♉33	2°41	16°59	3°15	6° 0	23°41	29° 3	14°27	7°51	18°55	17°55	11° 2	n.a.	T 27
W28	11 22 37	22°13'01	22°54	2°24	18°10	3°59	6°14	23°37	29° 6	14°26	7°51	18°49	17°52	11° 9	n.a.	W28
T 29	11 26 33	23°10'46	5♊49	2° 2	19°21	4°43	6°28	23°34	29° 9	14°24	7°52	18°46	17°49	11°16	n.a.	T 29
F 30	11 30 30	24° 8'30	18°20	1°37	20°32	5°28	6°42	23°31	29°12	14°22	7°53	18°44	17°45	11°22	n.a.	F 30
S 31	11 34 26	25♓ 6'11	0♋32	1♈ 9	21♒44	6♓12	6♓56	23♎27	29♈15	14♍21	7♉53	18°D44	17♋42	11♌29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13s 4	15n52	4s11	6s58	0n54	22s53	0s 1	18s 3	1s 5	12s55	1s15	7s29	2n25	10n38	0s20	7n52	2n 4	33s37	9s58	22n17	22n28	20n11			n.a.
F 2	12 44	18 58	3 25	6 5	1 6	22 48	0 5	17 50	1 5	12 50	1 15	7 29	2 26	10 39	0 20	7 52	2 4	33 37	9 58	22 17	22 29	20 10			n.a.
S 3	12 24	21 9	2 30	5 13	1 18	22 41	0 8	17 36	1 5	12 45	1 15	7 28	2 26	10 40	0 20	7 53	2 4	33 37	9 58	22 17	22 29	20 9			n.a.
S 4	12 3	22 20	1 30	4 22	1 29	22 35	0 12	17 22	1 5	12 40	1 15	7 27	2 26	10 40	0 20	7 54	2 4	33 38	9 58	22 16	22 30	20 8			n.a.
M 5	11 42	22 30	0 26	3 33	1 40	22 27	0 15	17 8	1 5	12 34	1 15	7 27	2 26	10 41	0 20	7 54	2 4	33 38	9 59	22 16	22 30	20 7			n.a.
T 6	11 21	21 39	0n38	2 45	1 51	22 19	0 18	16 53	1 5	12 29	1 15	7 26	2 26	10 42	0 20	7 55	2 4	33 38	9 59	22 16	22 31	20 6			n.a.
W 7	11 0	19 51	1 40	2 0	2 2	22 11	0 22	16 39	1 4	12 24	1 15	7 25	2 26	10 43	0 20	7 56	2 4	33 38	9 59	22 17	22 31	20 5			n.a.
T 8	10 39	17 11	2 38	1 16	2 11	22 1	0 25	16 24	1 4	12 19	1 15	7 24	2 27	10 44	0 20	7 56	2 4	33 38	9 59	22 17	22 31	20 4			n.a.
F 9	10 17	13 47	3 30	0 35	2 21	21 52	0 28	16 10	1 4	12 14	1 15	7 23	2 27	10 45	0 20	7 57	2 4	33 39	10 0	22 18	22 32	20 3			n.a.
S 10	9 55	9 49	4 13	0n 3	2 29	21 41	0 31	15 55	1 4	12 8	1 15	7 23	2 27	10 46	0 20	7 57	2 4	33 39	10 0	22 19	22 32	20 2			n.a.
S 11	9 34	5 24	4 44	0 39	2 37	21 30	0 35	15 40	1 4	12 3	1 15	7 22	2 27	10 46	0 20	7 58	2 5	33 39	10 0	22 20	22 33	20 1			n.a.
M12	9 12	0 43	5 3	1 12	2 44	21 18	0 38	15 25	1 3	11 58	1 15	7 21	2 27	10 47	0 19	7 59	2 5	33 39	10 0	22 22	22 33	20 0			n.a.
T 13	8 50	4s 3	5 8	1 43	2 51	21 6	0 41	15 10	1 3	11 53	1 15	7 20	2 27	10 48	0 19	7 59	2 5	33 39	10 1	22 23	22 34	19 59			n.a.
W14	8 28	8 44	4 57	2 11	2 56	20 53	0 44	14 54	1 3	11 47	1 15	7 19	2 28	10 49	0 19	8 0	2 5	33 40	10 1	22 24	22 34	19 58			n.a.
T 15	8 5	13 8	4 32	2 35	3 0	20 39	0 46	14 39	1 3	11 42	1 16	7 18	2 28	10 50	0 19	8 1	2 5	33 40	10 1	22 24	22 35	19 57			n.a.
F 16	7 43	16 59	3 51	2 57	3 4	20 25	0 49	14 24	1 3	11 37	1 16	7 17	2 28	10 51	0 19	8 1	2 5	33 40	10 2	22 25	22 35	19 56			n.a.
S 17	7 21	20 3	2 57	3 15	3 7	20 11	0 52	14 8	1 2	11 32	1 16	7 16	2 28	10 52	0 19	8 2	2 5	33 40	10 2	22 25	22 35	19 54			n.a.
S 18	6 58	22 1	1 52	3 30	3 8	19 55	0 55	13 52	1 2	11 27	1 16	7 14	2 28	10 53	0 19	8 3	2 5	33 40	10 2	22 25	22 36	19 53			n.a.
M19	6 36	22 39	0 38	3 42	3 8	19 39	0 57	13 36	1 2	11 21	1 16	7 13	2 28	10 54	0 19	8 3	2 5	33 41	10 2	22 25	22 36	19 52			n.a.
T 20	6 13	21 46	0s40	3 51	3 8	19 23	1 0	13 20	1 2	11 16	1 16	7 12	2 28	10 55	0 19	8 4	2 5	33 41	10 3	22 25	22 37	19 51			n.a.
W21	5 50	19 24	1 56	3 56	3 6	19 6	1 2	13 4	1 1	11 11	1 16	7 11	2 29	10 56	0 19	8 5	2 5	33 41	10 3	22 25	22 37	19 50			n.a.
T 22	5 27	15 41	3 6	3 58	3 2	18 49	1 4	12 48	1 1	11 6	1 16	7 10	2 29	10 57	0 19	8 5	2 5	33 41	10 3	22 26	22 38	19 49			n.a.
F 23	5 4	10 57	4 2	3 57	2 58	18 31	1 7	12 32	1 1	11 0	1 16	7 8	2 29	10 58	0 19	8 6	2 5	33 42	10 4	22 26	22 38	19 48			n.a.
S 24	4 41	5 35	4 42	3 53	2 52	18 12	1 9	12 15	1 1	10 55	1 16	7 7	2 29	10 59	0 19	8 7	2 5	33 42	10 4	22 28	22 39	19 47			n.a.
S 25	4 18	0 1	5 2	3 45	2 45	17 53	1 11	11 59	1 0	10 50	1 16	7 6	2 29	11 0	0 19	8 7	2 5	33 42	10 4	22 29	22 39	19 46			n.a.
M26	3 55	5n26	5 3	3 34	2 37	17 34	1 13	11 42	1 0	10 45	1 16	7 5	2 29	11 2	0 19	8 8	2 5	33 42	10 4	22 30	22 39	19 45			n.a.
T 27	3 32	10 26	4 45	3 20	2 28	17 14	1 15	11 26	1 0	10 39	1 16	7 3	2 29	11 3	0 19	8 8	2 5	33 43	10 5	22 31	22 40	19 44			n.a.
W28	3 9	14 46	4 13	3 3	2 17	16 54	1 17	11 9	1 0	10 34	1 16	7 2	2 29	11 4	0 19	8 9	2 5	33 43	10 5	22 32	22 40	19 43			n.a.
T 29	2 45	18 16	3 28	2 44	2 5	16 33	1 19	10 52	0 59	10 29	1 16	7 1	2 29	11 5	0 19	8 10	2 5	33 43	10 5	22 33	22 41	19 42			n.a.
F 30	2 22	20 47	2 35	2 22	1 53	16 11	1 21	10 36	0 59	10 24	1 16	6 59	2 30	11 6	0 19	8 10	2 5	33 43	10 6	22 33	22 41	19 40			n.a.
S 31	1s59	22n18	1s36	1n58	1n39	15s50	1s23	10s19	0s59	10s18	1s16	6s58	2n30	11n 7	0s19	8n11	2n 5	33s44	10s 6	22n33	22n42	19n39			n.a.

Julian Day Number = 1112610.5, Delta T = 10h50m45s
Ecliptic obliquity = 23°53'17, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'59, Lahiri = -26°56'58 Julian Calendar 1 March 1667 BCE == Greg. Calendar 15 Feb. 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

APRIL 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 38 23	26♓ 3'51	12♋31	0°R38	22♒55	6♓56	7♓ 9	23°R23	29♈18	14°R19	7♑54	18°R45	17♋39	11♌35	n.a.	S 1
M 2	11 42 19	27° 1'29	24°21	0♈ 5	24° 6	7°40	7°23	23♎20	29°22	14♍18	7°54	18♋45	17°36	11°42	n.a.	M 2
T 3	11 46 16	27°59'06	6♌ 8	29♓30	25°18	8°24	7°37	23°16	29°25	14°16	7°55	18°43	17°33	11°49	n.a.	T 3
W 4	11 50 13	28°56'40	17°57	28°55	26°29	9° 8	7°51	23°12	29°28	14°14	7°55	18°40	17°29	11°55	n.a.	W 4
T 5	11 54 9	29°54'14	29°51	28°19	27°41	9°52	8° 5	23° 8	29°31	14°13	7°56	18°33	17°26	12° 2	n.a.	T 5
F 6	11 58 6	0♈51'45	11♍53	27°44	28°52	10°36	8°18	23° 5	29°34	14°11	7°56	18°25	17°23	12° 9	n.a.	F 6
S 7	12 2 2	1°49'15	24° 5	27°10	0♓ 4	11°19	8°32	23° 1	29°37	14°10	7°57	18°14	17°20	12°15	n.a.	S 7
S 8	12 5 59	2°46'44	6♎29	26°37	1°15	12° 3	8°46	22°57	29°41	14° 8	7°57	18° 1	17°17	12°22	n.a.	S 8
M 9	12 9 55	3°44'11	19° 5	26° 7	2°27	12°47	8°59	22°53	29°44	14° 7	7°58	17°49	17°14	12°29	n.a.	M 9
T 10	12 13 52	4°41'38	1♏52	25°39	3°38	13°30	9°13	22°49	29°47	14° 5	7°58	17°37	17°10	12°35	n.a.	T 10
W11	12 17 48	5°39'03	14°52	25°14	4°50	14°14	9°26	22°45	29°51	14° 4	7°58	17°27	17° 7	12°42	n.a.	W11
T 12	12 21 45	6°36'27	28° 3	24°52	6° 2	14°58	9°40	22°41	29°54	14° 2	7°59	17°20	17° 4	12°49	n.a.	T 12
F 13	12 25 42	7°33'50	11♐26	24°34	7°13	15°41	9°53	22°36	29°57	14° 1	7°59	17°16	17° 1	12°55	n.a.	F 13
S 14	12 29 38	8°31'13	25° 2	24°20	8°25	16°24	10° 7	22°32	0♉ 1	13°59	7°59	17°14	16°58	13° 2	n.a.	S 14
S 15	12 33 35	9°28'34	8♑51	24°11	9°37	17° 8	10°20	22°28	0° 4	13°58	7°59	17°13	16°55	13° 9	n.a.	S 15
M16	12 37 31	10°25'55	22°53	24° 5	10°49	17°51	10°33	22°24	0° 7	13°56	8° 0	17°13	16°51	13°15	n.a.	M16
T 17	12 41 28	11°23'15	7♒ 9	24°D 4	12° 0	18°34	10°47	22°20	0°11	13°55	8° 0	17°12	16°48	13°22	n.a.	T 17
W18	12 45 24	12°20'35	21°36	24° 8	13°12	19°18	11° 0	22°15	0°14	13°54	8° 0	17°10	16°45	13°29	n.a.	W18
T 19	12 49 21	13°17'53	6♓12	24°16	14°24	20° 1	11°13	22°11	0°18	13°52	8° 0	17° 4	16°42	13°35	n.a.	T 19
F 20	12 53 17	14°15'11	20°50	24°28	15°36	20°44	11°26	22° 7	0°21	13°51	8° 0	16°56	16°39	13°42	n.a.	F 20
S 21	12 57 14	15°12'28	5♈25	24°45	16°48	21°27	11°39	22° 2	0°25	13°50	8° 0	16°45	16°35	13°49	n.a.	S 21
S 22	13 1 11	16° 9'44	19°49	25° 7	18° 0	22°10	11°52	21°58	0°28	13°48	8° 0	16°34	16°32	13°55	n.a.	S 22
M23	13 5 7	17° 6'59	3♉55	25°32	19°12	22°53	12° 5	21°53	0°32	13°47	8°R 0	16°23	16°29	14° 2	n.a.	M23
T 24	13 9 4	18° 4'13	17°39	26° 3	20°24	23°35	12°18	21°49	0°35	13°46	8° 0	16°12	16°26	14° 9	n.a.	T 24
W25	13 13 0	19° 1'26	0♊58	26°37	21°36	24°18	12°31	21°45	0°39	13°44	8° 0	16° 4	16°23	14°15	n.a.	W25
T 26	13 16 57	19°58'39	13°52	27°15	22°48	25° 1	12°43	21°40	0°42	13°43	8° 0	15°59	16°20	14°22	n.a.	T 26
F 27	13 20 53	20°55'50	26°24	27°57	24° 0	25°44	12°56	21°36	0°46	13°42	8° 0	15°56	16°16	14°29	n.a.	F 27
S 28	13 24 50	21°53'01	8♋38	28°44	25°12	26°26	13° 9	21°32	0°49	13°41	8° 0	15°55	16°13	14°35	n.a.	S 28
S 29	13 28 46	22°50'10	20°38	29°34	26°24	27° 9	13°21	21°27	0°53	13°40	8° 0	15°55	16°10	14°42	n.a.	S 29
M30	13 32 43	23♈47'19	2♌29	0♈28	27♓36	27♓51	13♓34	21♎23	0♉56	13♍38	8♑ 0	15♋55	16♋ 7	14♌49	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s36	22n44	0s33	1n32	1n24	15s27	1s24	10s 2	0s58	10s13	1s16	6s56	2n30	11n 8	0s19	8n12	2n 5	33s44	10s 6	22n33	22n42	19n38		n.a.
M 2	1 12	22 8	0n30	1 5	1 9	15 5	1 26	9 45	0 58	10 8	1 16	6 55	2 30	11 9	0 19	8 12	2 5	33 44	10 7	22 33	22 42	19 37		n.a.
T 3	0 49	20 34	1 31	0 36	0 53	14 42	1 27	9 28	0 58	10 3	1 16	6 53	2 30	11 10	0 19	8 13	2 5	33 44	10 7	22 33	22 43	19 36		n.a.
W 4	0 26	18 6	2 29	0 7	0 36	14 18	1 29	9 11	0 57	9 58	1 16	6 52	2 30	11 12	0 19	8 13	2 5	33 45	10 7	22 34	22 43	19 35		n.a.
T 5	0 2	14 51	3 20	0s23	0 20	13 55	1 30	8 53	0 57	9 52	1 16	6 50	2 30	11 13	0 19	8 14	2 5	33 45	10 8	22 35	22 44	19 34		n.a.
F 6	0n21	10 58	4 3	0 53	0 3	13 30	1 31	8 36	0 57	9 47	1 17	6 49	2 30	11 14	0 19	8 15	2 5	33 45	10 8	22 36	22 44	19 33		n.a.
S 7	0 44	6 35	4 35	1 22	0s14	13 6	1 32	8 19	0 56	9 42	1 17	6 47	2 30	11 15	0 19	8 15	2 5	33 46	10 8	22 37	22 44	19 31		n.a.
S 8	1 7	1 53	4 55	1 50	0 31	12 41	1 34	8 2	0 56	9 37	1 17	6 46	2 30	11 16	0 19	8 16	2 4	33 46	10 8	22 39	22 45	19 30		n.a.
M 9	1 31	2s58	5 1	2 18	0 47	12 16	1 35	7 44	0 56	9 32	1 17	6 44	2 30	11 17	0 19	8 16	2 4	33 46	10 9	22 41	22 45	19 29		n.a.
T 10	1 54	7 47	4 52	2 44	1 3	11 50	1 35	7 27	0 55	9 27	1 17	6 43	2 30	11 19	0 19	8 17	2 4	33 46	10 9	22 42	22 46	19 28		n.a.
W11	2 17	12 20	4 28	3 8	1 19	11 24	1 36	7 10	0 55	9 22	1 17	6 41	2 30	11 20	0 19	8 17	2 4	33 47	10 9	22 43	22 46	19 27		n.a.
T 12	2 40	16 23	3 49	3 30	1 34	10 58	1 37	6 52	0 55	9 17	1 17	6 40	2 30	11 21	0 19	8 18	2 4	33 47	10 10	22 44	22 47	19 26		n.a.
F 13	3 3	19 39	2 57	3 50	1 48	10 32	1 38	6 35	0 54	9 11	1 17	6 38	2 30	11 22	0 19	8 19	2 4	33 47	10 10	22 45	22 47	19 24		n.a.
S 14	3 26	21 53	1 55	4 8	2 1	10 5	1 38	6 17	0 54	9 6	1 17	6 36	2 30	11 24	0 19	8 19	2 4	33 48	10 10	22 45	22 47	19 23		n.a.
S 15	3 49	22 51	0 44	4 23	2 13	9 38	1 39	6 0	0 53	9 1	1 17	6 35	2 30	11 25	0 19	8 20	2 4	33 48	10 11	22 45	22 48	19 22		n.a.
M16	4 12	22 24	0s30	4 35	2 24	9 11	1 39	5 42	0 53	8 56	1 17	6 33	2 30	11 26	0 19	8 20	2 4	33 48	10 11	22 45	22 48	19 21		n.a.
T 17	4 35	20 30	1 43	4 45	2 35	8 43	1 40	5 24	0 53	8 51	1 18	6 32	2 30	11 27	0 19	8 21	2 4	33 49	10 11	22 45	22 49	19 20		n.a.
W18	4 58	17 16	2 51	4 52	2 44	8 15	1 40	5 7	0 52	8 46	1 18	6 30	2 30	11 28	0 19	8 21	2 4	33 49	10 12	22 46	22 49	19 18		n.a.
T 19	5 21	12 56	3 48	4 57	2 52	7 47	1 40	4 49	0 52	8 41	1 18	6 28	2 30	11 30	0 19	8 22	2 4	33 49	10 12	22 47	22 49	19 17		n.a.
F 20	5 43	7 49	4 30	4 58	2 59	7 19	1 41	4 32	0 51	8 36	1 18	6 27	2 30	11 31	0 19	8 22	2 4	33 49	10 12	22 48	22 50	19 16		n.a.
S 21	6 6	2 18	4 55	4 57	3 6	6 51	1 41	4 14	0 51	8 31	1 18	6 25	2 30	11 32	0 19	8 23	2 4	33 50	10 13	22 49	22 50	19 15		n.a.
S 22	6 28	3n16	5 0	4 53	3 11	6 22	1 41	3 56	0 51	8 26	1 18	6 24	2 30	11 33	0 19	8 23	2 4	33 50	10 13	22 50	22 51	19 13		n.a.
M23	6 51	8 34	4 47	4 47	3 15	5 53	1 41	3 39	0 50	8 21	1 18	6 22	2 30	11 35	0 19	8 24	2 4	33 50	10 13	22 52	22 51	19 12		n.a.
T 24	7 13	13 18	4 17	4 38	3 19	5 24	1 41	3 21	0 50	8 16	1 18	6 20	2 30	11 36	0 19	8 24	2 4	33 51	10 14	22 53	22 51	19 11		n.a.
W25	7 35	17 15	3 34	4 26	3 21	4 55	1 40	3 3	0 49	8 12	1 18	6 19	2 30	11 37	0 19	8 25	2 4	33 51	10 14	22 54	22 52	19 10		n.a.
T 26	7 57	20 14	2 41	4 12	3 22	4 26	1 40	2 46	0 49	8 7	1 18	6 17	2 30	11 38	0 19	8 25	2 4	33 51	10 14	22 55	22 52	19 9		n.a.
F 27	8 19	22 9	1 41	3 55	3 23	3 57	1 40	2 28	0 48	8 2	1 19	6 15	2 30	11 40	0 19	8 26	2 4	33 52	10 14	22 55	22 53	19 7		n.a.
S 28	8 41	22 58	0 39	3 36	3 23	3 27	1 39	2 10	0 48	7 57	1 19	6 14	2 30	11 41	0 19	8 26	2 4	33 52	10 15	22 55	22 53	19 6		n.a.
S 29	9 3	22 41	0n25	3 15	3 22	2 58	1 39	1 53	0 48	7 52	1 19	6 12	2 30	11 42	0 19	8 26	2 4	33 52	10 15	22 55	22 53	19 5		n.a.
M30	9n24	21n23	1n27	2s51	3s20	2s28	1s38	1s35	0s47	7s47	1s19	6s10	2n30	11n43	0s19	8n27	2n 4	33s53	10s15	22n55	22n54	19n 3		n.a.

Julian Day Number = 1112641.5, Delta T = 10h50m43s
Ecliptic obliquity = 23°53'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'55, Lahiri = -26°56'54 Julian Calendar 1 Apr. 1667 BCE == Greg. Calendar 18 March 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

MAY 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 36 40	24♈44'27	14♌18	1♈25	28♓49	28♓34	13♓46	21°R18	1♉ 0	13°R37	7°R59	15°R53	16♋ 4	14♌55	n.a.	T 1
W 2	13 40 36	25°41'33	26° 9	2°26	0♈ 1	29°16	13°58	21♎14	1° 3	13♍36	7♑59	15♋50	16° 0	15° 2	n.a.	W 2
T 3	13 44 33	26°38'40	8♍ 8	3°31	1°13	29°58	14°11	21°10	1° 7	13°35	7°59	15°44	15°57	15° 9	n.a.	T 3
F 4	13 48 29	27°35'45	20°16	4°39	2°25	0♈41	14°23	21° 5	1°10	13°34	7°59	15°36	15°54	15°15	n.a.	F 4
S 5	13 52 26	28°32'50	2♎39	5°50	3°38	1°23	14°35	21° 1	1°14	13°33	7°59	15°26	15°51	15°22	n.a.	S 5
S 6	13 56 22	29°29'54	15°16	7° 5	4°50	2° 5	14°47	20°57	1°18	13°32	7°58	15°14	15°48	15°29	n.a.	S 6
M 7	14 0 19	0♉26'57	28° 9	8°23	6° 2	2°47	14°59	20°52	1°21	13°31	7°58	15° 2	15°45	15°35	n.a.	M 7
T 8	14 4 16	1°24'01	11♏17	9°45	7°15	3°29	15°11	20°48	1°25	13°30	7°58	14°50	15°41	15°42	n.a.	T 8
W 9	14 8 12	2°21'04	24°38	11° 9	8°27	4°11	15°23	20°44	1°28	13°29	7°57	14°41	15°38	15°49	n.a.	W 9
T 10	14 12 9	3°18'07	8♐11	12°37	9°39	4°53	15°35	20°39	1°32	13°28	7°57	14°34	15°35	15°55	n.a.	T 10
F 11	14 16 5	4°15'10	21°53	14° 8	10°52	5°35	15°46	20°35	1°35	13°27	7°56	14°30	15°32	16° 2	n.a.	F 11
S 12	14 20 2	5°12'12	5♑44	15°42	12° 4	6°17	15°58	20°31	1°39	13°26	7°56	14°28	15°29	16° 9	n.a.	S 12
S 13	14 23 58	6° 9'15	19°41	17°20	13°17	6°58	16° 9	20°27	1°42	13°25	7°55	14°D28	15°26	16°15	n.a.	S 13
M14	14 27 55	7° 6'19	3♒45	19° 0	14°29	7°40	16°21	20°23	1°46	13°25	7°55	14°R28	15°22	16°22	n.a.	M14
T 15	14 31 51	8° 3'22	17°54	20°43	15°42	8°22	16°32	20°19	1°50	13°24	7°54	14°28	15°19	16°29	n.a.	T 15
W16	14 35 48	9° 0'25	2♓ 8	22°29	16°55	9° 3	16°43	20°15	1°53	13°23	7°54	14°26	15°16	16°35	n.a.	W16
T 17	14 39 45	9°57'29	16°23	24°19	18° 7	9°45	16°55	20°11	1°57	13°22	7°53	14°22	15°13	16°42	n.a.	T 17
F 18	14 43 41	10°54'32	0♈37	26°11	19°20	10°26	17° 6	20° 7	2° 0	13°22	7°53	14°15	15°10	16°49	n.a.	F 18
S 19	14 47 38	11°51'36	14°46	28° 5	20°33	11° 8	17°17	20° 3	2° 4	13°21	7°52	14° 6	15° 6	16°55	n.a.	S 19
S 20	14 51 34	12°48'41	28°46	0♉ 2	21°45	11°49	17°27	19°59	2° 7	13°20	7°52	13°57	15° 3	17° 2	n.a.	S 20
M21	14 55 31	13°45'45	12♉31	2° 2	22°58	12°30	17°38	19°55	2°11	13°20	7°51	13°47	15° 0	17° 9	n.a.	M21
T 22	14 59 27	14°42'49	25°58	4° 3	24°11	13°11	17°49	19°51	2°14	13°19	7°50	13°38	14°57	17°15	n.a.	T 22
W23	15 3 24	15°39'54	9♊ 5	6° 6	25°24	13°53	17°59	19°47	2°18	13°19	7°50	13°32	14°54	17°22	n.a.	W23
T 24	15 7 21	16°36'59	21°52	8°12	26°36	14°34	18°10	19°44	2°21	13°18	7°49	13°27	14°51	17°29	n.a.	T 24
F 25	15 11 17	17°34'04	4♋21	10°18	27°49	15°15	18°20	19°40	2°25	13°18	7°48	13°25	14°47	17°35	n.a.	F 25
S 26	15 15 14	18°31'09	16°33	12°26	29° 2	15°56	18°31	19°36	2°28	13°17	7°47	13°D25	14°44	17°42	n.a.	S 26
S 27	15 19 10	19°28'13	28°32	14°34	0♉15	16°37	18°41	19°33	2°32	13°17	7°47	13°25	14°41	17°49	n.a.	S 27
M28	15 23 7	20°25'18	10♌25	16°43	1°28	17°18	18°51	19°29	2°35	13°16	7°46	13°26	14°38	17°55	n.a.	M28
T 29	15 27 3	21°22'23	22°15	18°53	2°41	17°58	19° 1	19°26	2°39	13°16	7°45	13°R27	14°35	18° 2	n.a.	T 29
W30	15 31 0	22°19'28	4♍ 7	21° 2	3°54	18°39	19°11	19°23	2°42	13°15	7°44	13°26	14°32	18° 9	n.a.	W30
T 31	15 34 56	23♉16'34	16♍ 8	23♉11	5♉ 7	19♈20	19♓20	19♎19	2♉45	13♍15	7♑43	13♋23	14♋28	18♌15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9n45	19n 9	2n24	2s26	3s17	1s58	1s38	1s18	0s47	7s43	1s19	6s 9	2n30	11n45	0s19	8n27	2n 4	33s53	10s16	22n55	22n54	19n 2		n.a.
W 2	10 7	16 6	3 16	1 58	3 14	1 28	1 37	1 0	0 46	7 38	1 19	6 7	2 30	11 46	0 19	8 28	2 4	33 53	10 16	22 56	22 54	19 1		n.a.
T 3	10 28	12 22	4 0	1 28	3 9	0 58	1 36	0 42	0 46	7 33	1 19	6 6	2 30	11 47	0 19	8 28	2 4	33 54	10 16	22 56	22 55	19 0		n.a.
F 4	10 49	8 5	4 33	0 56	3 4	0 28	1 35	0 25	0 45	7 29	1 20	6 4	2 30	11 49	0 19	8 28	2 4	33 54	10 17	22 57	22 55	18 58		n.a.
S 5	11 9	3 25	4 54	0 22	2 59	0n 2	1 34	0 7	0 45	7 24	1 20	6 2	2 30	11 50	0 19	8 29	2 4	33 54	10 17	22 59	22 56	18 57		n.a.
S 6	11 30	1s30	5 1	0n14	2 53	0 32	1 33	0n10	0 44	7 19	1 20	6 1	2 30	11 51	0 19	8 29	2 4	33 55	10 17	23 0	22 56	18 56		n.a.
M 7	11 51	6 27	4 54	0 51	2 46	1 2	1 32	0 28	0 44	7 15	1 20	5 59	2 30	11 52	0 19	8 30	2 4	33 55	10 18	23 1	22 56	18 54		n.a.
T 8	12 11	11 13	4 30	1 30	2 39	1 32	1 31	0 45	0 43	7 10	1 20	5 58	2 30	11 54	0 19	8 30	2 3	33 55	10 18	23 3	22 57	18 53		n.a.
W 9	12 31	15 32	3 52	2 11	2 31	2 2	1 30	1 2	0 43	7 6	1 20	5 56	2 29	11 55	0 19	8 30	2 3	33 56	10 18	23 4	22 57	18 52		n.a.
T 10	12 51	19 7	3 0	2 54	2 22	2 32	1 29	1 20	0 42	7 1	1 20	5 55	2 29	11 56	0 19	8 31	2 3	33 56	10 18	23 5	22 58	18 51		n.a.
F 11	13 10	21 41	1 57	3 38	2 13	3 2	1 28	1 37	0 42	6 57	1 21	5 53	2 29	11 57	0 19	8 31	2 3	33 56	10 19	23 5	22 58	18 49		n.a.
S 12	13 30	22 59	0 46	4 24	2 4	3 32	1 26	1 54	0 41	6 52	1 21	5 52	2 29	11 59	0 19	8 31	2 3	33 57	10 19	23 5	22 58	18 48		n.a.
S 13	13 49	22 52	0s28	5 11	1 54	4 2	1 25	2 12	0 41	6 48	1 21	5 50	2 29	12 0	0 19	8 31	2 3	33 57	10 19	23 5	22 59	18 47		n.a.
M14	14 8	21 18	1 41	5 59	1 44	4 32	1 24	2 29	0 40	6 44	1 21	5 49	2 29	12 1	0 19	8 32	2 3	33 57	10 20	23 5	22 59	18 45		n.a.
T 15	14 27	18 25	2 48	6 48	1 33	5 2	1 22	2 46	0 40	6 39	1 21	5 47	2 29	12 2	0 19	8 32	2 3	33 58	10 20	23 5	22 59	18 44		n.a.
W16	14 46	14 24	3 45	7 38	1 22	5 32	1 21	3 3	0 39	6 35	1 21	5 46	2 29	12 4	0 19	8 32	2 3	33 58	10 20	23 5	23 0	18 42		n.a.
T 17	15 4	9 35	4 29	8 30	1 11	6 1	1 19	3 20	0 39	6 31	1 22	5 45	2 29	12 5	0 19	8 32	2 3	33 58	10 21	23 6	23 0	18 41		n.a.
F 18	15 23	4 15	4 55	9 21	1 0	6 31	1 17	3 37	0 38	6 26	1 22	5 43	2 28	12 6	0 19	8 33	2 3	33 58	10 21	23 7	23 0	18 40		n.a.
S 19	15 41	1n16	5 4	10 14	0 49	7 0	1 16	3 54	0 38	6 22	1 22	5 42	2 28	12 7	0 19	8 33	2 3	33 59	10 21	23 8	23 1	18 38		n.a.
S 20	15 58	6 40	4 54	11 7	0 37	7 30	1 14	4 11	0 37	6 18	1 22	5 40	2 28	12 9	0 19	8 33	2 3	33 59	10 21	23 9	23 1	18 37		n.a.
M21	16 16	11 39	4 27	12 0	0 26	7 59	1 12	4 28	0 37	6 14	1 22	5 39	2 28	12 10	0 19	8 33	2 3	33 59	10 22	23 10	23 2	18 36		n.a.
T 22	16 33	15 57	3 46	12 53	0 15	8 28	1 10	4 45	0 36	6 10	1 22	5 38	2 28	12 11	0 18	8 33	2 3	34 0	10 22	23 10	23 2	18 34		n.a.
W23	16 50	19 23	2 53	13 45	0 4	8 57	1 8	5 2	0 36	6 6	1 23	5 36	2 28	12 12	0 18	8 34	2 3	34 0	10 22	23 11	23 2	18 33		n.a.
T 24	17 7	21 45	1 53	14 37	0n 7	9 25	1 6	5 19	0 35	6 2	1 23	5 35	2 27	12 14	0 18	8 34	2 3	34 0	10 22	23 12	23 3	18 32		n.a.
F 25	17 23	23 0	0 49	15 28	0 18	9 54	1 4	5 35	0 34	5 58	1 23	5 34	2 27	12 15	0 18	8 34	2 3	34 1	10 23	23 12	23 3	18 30		n.a.
S 26	17 40	23 7	0n17	16 18	0 29	10 22	1 2	5 52	0 34	5 54	1 23	5 33	2 27	12 16	0 18	8 34	2 3	34 1	10 23	23 12	23 3	18 29		n.a.
S 27	17 56	22 9	1 21	17 7	0 38	10 50	1 0	6 8	0 33	5 50	1 23	5 32	2 27	12 17	0 18	8 34	2 2	34 1	10 23	23 12	23 4	18 27		n.a.
M28	18 11	20 12	2 20	17 55	0 48	11 18	0 58	6 25	0 33	5 46	1 24	5 30	2 27	12 19	0 18	8 34	2 2	34 2	10 24	23 12	23 4	18 26		n.a.
T 29	18 27	17 24	3 14	18 40	0 57	11 45	0 56	6 41	0 32	5 42	1 24	5 29	2 27	12 20	0 18	8 34	2 2	34 2	10 24	23 12	23 4	18 25		n.a.
W30	18 42	13 52	3 59	19 24	1 5	12 12	0 54	6 57	0 32	5 39	1 24	5 28	2 26	12 21	0 18	8 34	2 2	34 2	10 24	23 12	23 5	18 23		n.a.
T 31	18n56	9n46	4n34	20n 5	1n13	12n39	0s52	7n14	0s31	5s35	1s24	5s27	2n26	12n22	0s18	8n35	2n 2	34s 3	10s24	23n12	23n 5	18n22		n.a.

Julian Day Number = 1112671.5, Delta T = 10h50m42s
Ecliptic obliquity = 23°53'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'51, Lahiri = -26°56'50 Julian Calendar 1 May 1667 BCE == Greg. Calendar 17 Apr. 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

JUNE 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 38 53	24♉13'39	28♍20	25♉19	6♉20	20♈ 0	19♓30	19°R16	2♉49	13°R15	7°R42	13°R19	14♋25	18♌22	n.a.	F 1
S 2	15 42 50	25°10'45	10♎49	27°27	7°33	20°41	19°39	19♎13	2°52	13♍15	7♑42	13♋12	14°22	18°29	n.a.	S 2
S 3	15 46 46	26° 7'51	23°36	29°34	8°46	21°21	19°49	19°10	2°55	13°14	7°41	13° 5	14°19	18°35	n.a.	S 3
M 4	15 50 43	27° 4'57	6♏43	1♊40	9°59	22° 2	19°58	19° 7	2°59	13°14	7°40	12°57	14°16	18°42	n.a.	M 4
T 5	15 54 39	28° 2'04	20° 9	3°44	11°12	22°42	20° 7	19° 4	3° 2	13°14	7°39	12°50	14°12	18°49	n.a.	T 5
W 6	15 58 36	28°59'12	3♐51	5°47	12°26	23°23	20°16	19° 1	3° 5	13°14	7°38	12°44	14° 9	18°55	n.a.	W 6
T 7	16 2 32	29°56'20	17°49	7°49	13°39	24° 3	20°25	18°58	3° 9	13°14	7°37	12°40	14° 6	19° 2	n.a.	T 7
F 8	16 6 29	0♊53'30	1♑56	9°49	14°52	24°43	20°34	18°56	3°12	13°14	7°36	12°38	14° 3	19° 9	n.a.	F 8
S 9	16 10 26	1°50'40	16°10	11°47	16° 5	25°23	20°42	18°53	3°15	13°D14	7°35	12°D37	14° 0	19°15	n.a.	S 9
S 10	16 14 22	2°47'51	0♒26	13°44	17°19	26° 3	20°51	18°50	3°18	13°14	7°34	12°38	13°57	19°22	n.a.	S 10
M11	16 18 19	3°45'03	14°43	15°39	18°32	26°43	20°59	18°48	3°22	13°14	7°33	12°39	13°53	19°29	n.a.	M11
T 12	16 22 15	4°42'16	28°56	17°33	19°45	27°23	21° 8	18°46	3°25	13°14	7°32	12°R40	13°50	19°35	n.a.	T 12
W13	16 26 12	5°39'30	13♓ 5	19°25	20°59	28° 3	21°16	18°43	3°28	13°14	7°31	12°40	13°47	19°42	n.a.	W13
T 14	16 30 8	6°36'46	27° 8	21°15	22°12	28°43	21°24	18°41	3°31	13°14	7°30	12°39	13°44	19°49	n.a.	T 14
F 15	16 34 5	7°34'02	11♈ 2	23° 3	23°26	29°23	21°31	18°39	3°34	13°14	7°29	12°35	13°41	19°55	n.a.	F 15
S 16	16 38 1	8°31'20	24°47	24°50	24°39	0♉ 2	21°39	18°37	3°37	13°14	7°27	12°31	13°37	20° 2	n.a.	S 16
S 17	16 41 58	9°28'39	8♉20	26°35	25°53	0°42	21°47	18°35	3°40	13°15	7°26	12°26	13°34	20° 9	n.a.	S 17
M18	16 45 55	10°25'59	21°40	28°19	27° 6	1°22	21°54	18°33	3°43	13°15	7°25	12°21	13°31	20°15	n.a.	M18
T 19	16 49 51	11°23'21	4♊45	0♋ 0	28°20	2° 1	22° 1	18°31	3°46	13°15	7°24	12°16	13°28	20°22	n.a.	T 19
W20	16 53 48	12°20'43	17°34	1°40	29°34	2°41	22° 9	18°29	3°49	13°15	7°23	12°13	13°25	20°29	n.a.	W20
T 21	16 57 44	13°18'07	0♋ 8	3°19	0♊47	3°20	22°15	18°28	3°52	13°16	7°22	12°11	13°22	20°35	n.a.	T 21
F 22	17 1 41	14°15'32	12°27	4°56	2° 1	4° 0	22°22	18°26	3°55	13°16	7°21	12°D10	13°18	20°42	n.a.	F 22
S 23	17 5 37	15°12'58	24°34	6°31	3°15	4°39	22°29	18°25	3°58	13°17	7°19	12°11	13°15	20°49	n.a.	S 23
S 24	17 9 34	16°10'25	6♌32	8° 4	4°29	5°18	22°36	18°23	4° 1	13°17	7°18	12°12	13°12	20°55	n.a.	S 24
M25	17 13 31	17° 7'52	18°23	9°36	5°42	5°57	22°42	18°22	4° 4	13°18	7°17	12°14	13° 9	21° 2	n.a.	M25
T 26	17 17 27	18° 5'21	0♍13	11° 6	6°56	6°36	22°48	18°21	4° 7	13°18	7°16	12°16	13° 6	21° 9	n.a.	T 26
W27	17 21 24	19° 2'51	12° 5	12°34	8°10	7°15	22°54	18°20	4° 9	13°19	7°14	12°17	13° 3	21°15	n.a.	W27
T 28	17 25 20	20° 0'22	24° 5	14° 1	9°24	7°54	23° 0	18°19	4°12	13°19	7°13	12°R17	12°59	21°22	n.a.	T 28
F 29	17 29 17	20°57'54	6♎18	15°26	10°38	8°33	23° 6	18°18	4°15	13°20	7°12	12°16	12°56	21°29	n.a.	F 29
S 30	17 33 13	21♊55'27	18♎47	16♋49	11♊52	9♉12	23♓11	18♎17	4♉18	13♍20	7♑11	12♋14	12♋53	21♌36	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n11	5n12	4n58	20n45	1n20	13n 6	0s50	7n30	0s30	5s31	1s24	5s26	2n26	12n23	0s18	8n35	2n 2	34s 3	10s24	23n13	23n 5	18n20		n.a.
S 2	19 25	0 21	5 8	21 22	1 26	13 33	0 47	7 46	0 30	5 28	1 25	5 25	2 26	12 24	0 18	8 35	2 2	34 3	10 25	23 13	23 6	18 19		n.a.
S 3	19 39	4s39	5 3	21 56	1 32	13 59	0 45	8 2	0 29	5 24	1 25	5 24	2 26	12 26	0 18	8 35	2 2	34 3	10 25	23 14	23 6	18 17		n.a.
M 4	19 52	9 34	4 42	22 28	1 37	14 24	0 43	8 18	0 29	5 21	1 25	5 23	2 25	12 27	0 18	8 35	2 2	34 4	10 25	23 15	23 7	18 16		n.a.
T 5	20 6	14 10	4 6	22 57	1 42	14 50	0 41	8 34	0 28	5 17	1 25	5 22	2 25	12 28	0 18	8 35	2 2	34 4	10 25	23 15	23 7	18 15		n.a.
W 6	20 18	18 8	3 14	23 24	1 45	15 15	0 38	8 49	0 27	5 14	1 25	5 21	2 25	12 29	0 18	8 35	2 2	34 4	10 26	23 16	23 7	18 13		n.a.
T 7	20 31	21 9	2 10	23 48	1 48	15 40	0 36	9 5	0 27	5 10	1 26	5 20	2 25	12 30	0 18	8 35	2 2	34 5	10 26	23 16	23 8	18 12		n.a.
F 8	20 43	22 55	0 58	24 10	1 51	16 4	0 34	9 21	0 26	5 7	1 26	5 19	2 25	12 31	0 18	8 35	2 2	34 5	10 26	23 17	23 8	18 10		n.a.
S 9	20 55	23 12	0s19	24 29	1 52	16 28	0 31	9 36	0 26	5 4	1 26	5 19	2 24	12 33	0 18	8 35	2 2	34 5	10 26	23 17	23 8	18 9		n.a.
S 10	21 7	21 59	1 35	24 45	1 53	16 51	0 29	9 51	0 25	5 1	1 26	5 18	2 24	12 34	0 18	8 35	2 2	34 5	10 27	23 17	23 9	18 7		n.a.
M11	21 18	19 22	2 46	24 59	1 54	17 15	0 26	10 7	0 24	4 58	1 27	5 17	2 24	12 35	0 18	8 34	2 2	34 6	10 27	23 16	23 9	18 6		n.a.
T 12	21 29	15 34	3 45	25 11	1 54	17 37	0 24	10 22	0 24	4 54	1 27	5 16	2 24	12 36	0 18	8 34	2 1	34 6	10 27	23 16	23 9	18 4		n.a.
W13	21 39	10 55	4 31	25 20	1 53	18 0	0 22	10 37	0 23	4 51	1 27	5 16	2 24	12 37	0 18	8 34	2 1	34 6	10 27	23 16	23 10	18 3		n.a.
T 14	21 49	5 44	5 0	25 27	1 52	18 21	0 19	10 52	0 23	4 48	1 27	5 15	2 23	12 38	0 18	8 34	2 1	34 7	10 27	23 16	23 10	18 1		n.a.
F 15	21 59	0 19	5 11	25 32	1 50	18 43	0 17	11 7	0 22	4 45	1 28	5 14	2 23	12 39	0 18	8 34	2 1	34 7	10 28	23 17	23 10	18 0		n.a.
S 16	22 8	5n 4	5 4	25 34	1 47	19 4	0 14	11 22	0 21	4 43	1 28	5 14	2 23	12 40	0 18	8 34	2 1	34 7	10 28	23 17	23 11	17 58		n.a.
S 17	22 17	10 8	4 40	25 35	1 44	19 24	0 12	11 37	0 21	4 40	1 28	5 13	2 23	12 41	0 18	8 34	2 1	34 7	10 28	23 18	23 11	17 57		n.a.
M18	22 26	14 38	4 2	25 33	1 41	19 44	0 9	11 51	0 20	4 37	1 28	5 13	2 22	12 42	0 18	8 34	2 1	34 8	10 28	23 18	23 11	17 55		n.a.
T 19	22 34	18 22	3 11	25 30	1 37	20 3	0 7	12 6	0 19	4 34	1 28	5 12	2 22	12 43	0 18	8 33	2 1	34 8	10 28	23 19	23 12	17 54		n.a.
W20	22 42	21 7	2 11	25 25	1 32	20 22	0 4	12 20	0 19	4 32	1 29	5 12	2 22	12 44	0 18	8 33	2 1	34 8	10 28	23 19	23 12	17 52		n.a.
T 21	22 49	22 48	1 6	25 18	1 28	20 40	0 2	12 35	0 18	4 29	1 29	5 11	2 22	12 45	0 18	8 33	2 1	34 8	10 29	23 19	23 12	17 51		n.a.
F 22	22 56	23 19	0n 2	25 10	1 22	20 58	0n 1	12 49	0 17	4 27	1 29	5 11	2 21	12 46	0 18	8 33	2 1	34 9	10 29	23 19	23 13	17 49		n.a.
S 23	23 3	22 43	1 8	25 0	1 17	21 15	0 3	13 3	0 17	4 24	1 29	5 11	2 21	12 47	0 18	8 33	2 1	34 9	10 29	23 19	23 13	17 48		n.a.
S 24	23 9	21 5	2 10	24 49	1 11	21 31	0 5	13 17	0 16	4 22	1 30	5 10	2 21	12 48	0 18	8 32	2 1	34 9	10 29	23 19	23 13	17 46		n.a.
M25	23 15	18 33	3 6	24 36	1 4	21 47	0 8	13 31	0 15	4 19	1 30	5 10	2 21	12 49	0 18	8 32	2 1	34 9	10 29	23 19	23 13	17 45		n.a.
T 26	23 21	15 15	3 54	24 22	0 57	22 3	0 10	13 45	0 15	4 17	1 30	5 10	2 20	12 50	0 18	8 32	2 1	34 9	10 29	23 19	23 14	17 43		n.a.
W27	23 26	11 20	4 33	24 7	0 50	22 17	0 13	13 58	0 14	4 15	1 30	5 10	2 20	12 51	0 18	8 32	2 1	34 10	10 30	23 19	23 14	17 41		n.a.
T 28	23 30	6 58	5 0	23 51	0 43	22 31	0 15	14 12	0 13	4 13	1 31	5 10	2 20	12 52	0 18	8 31	2 0	34 10	10 30	23 19	23 14	17 40		n.a.
F 29	23 34	2 14	5 14	23 33	0 35	22 45	0 17	14 25	0 13	4 11	1 31	5 9	2 20	12 53	0 18	8 31	2 0	34 10	10 30	23 19	23 15	17 38		n.a.
S 30	23n38	2s40	5n13	23n15	0n27	22n58	0n20	14n38	0s12	4s 9	1s31	5s 9	2n19	12n54	0s18	8n31	2n 0	34s10	10s30	23n19	23n15	17n37		n.a.

Julian Day Number = 1112702.5, Delta T = 10h50m40s
Ecliptic obliquity = 23°53'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'46, Lahiri = -26°56'46 Julian Calendar 1 June 1667 BCE == Greg. Calendar 18 May 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

JULY 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 37 10	22♊53'01	1♏37	18♋10	13♊ 6	9♉51	23♓17	18°R16	4♉20	13♍21	7°R 9	12°R12	12♋50	21♌42	n.a.	S 1
M 2	17 41 6	23°50'36	14°49	19°29	14°20	10°30	23°22	18♎16	4°23	13°22	7♑ 8	12♋ 9	12°47	21°49	n.a.	M 2
T 3	17 45 3	24°48'13	28°25	20°47	15°34	11° 8	23°27	18°15	4°25	13°23	7° 7	12° 7	12°43	21°56	n.a.	T 3
W 4	17 49 0	25°45'51	12♐23	22° 3	16°48	11°47	23°32	18°15	4°28	13°23	7° 6	12° 5	12°40	22° 2	n.a.	W 4
T 5	17 52 56	26°43'31	26°41	23°16	18° 2	12°25	23°36	18°14	4°30	13°24	7° 4	12° 4	12°37	22° 9	n.a.	T 5
F 6	17 56 53	27°41'12	11♑12	24°28	19°16	13° 4	23°41	18°14	4°33	13°25	7° 3	12°D 3	12°34	22°16	n.a.	F 6
S 7	18 0 49	28°38'54	25°52	25°37	20°30	13°42	23°45	18°14	4°35	13°26	7° 2	12° 4	12°31	22°22	n.a.	S 7
S 8	18 4 46	29°36'39	10♒34	26°44	21°44	14°21	23°50	18°D14	4°38	13°27	7° 0	12° 4	12°28	22°29	n.a.	S 8
M 9	18 8 42	0♋34'25	25°12	27°49	22°58	14°59	23°54	18°14	4°40	13°28	6°59	12° 5	12°24	22°36	n.a.	M 9
T 10	18 12 39	1°32'13	9♓40	28°52	24°13	15°37	23°57	18°14	4°42	13°29	6°58	12° 6	12°21	22°42	n.a.	T 10
W11	18 16 35	2°30'03	23°56	29°52	25°27	16°15	24° 1	18°14	4°45	13°30	6°57	12° 7	12°18	22°49	n.a.	W11
T 12	18 20 32	3°27'55	7♈56	0♌49	26°41	16°53	24° 5	18°15	4°47	13°31	6°55	12°R 7	12°15	22°56	n.a.	T 12
F 13	18 24 29	4°25'49	21°40	1°43	27°55	17°31	24° 8	18°15	4°49	13°32	6°54	12° 6	12°12	23° 2	n.a.	F 13
S 14	18 28 25	5°23'45	5♉ 7	2°34	29°10	18° 9	24°11	18°16	4°51	13°33	6°53	12° 6	12° 9	23° 9	n.a.	S 14
S 15	18 32 22	6°21'43	18°19	3°22	0♋24	18°47	24°14	18°16	4°53	13°34	6°51	12° 5	12° 5	23°16	n.a.	S 15
M16	18 36 18	7°19'43	1♊16	4° 7	1°39	19°25	24°17	18°17	4°56	13°35	6°50	12° 4	12° 2	23°22	n.a.	M16
T 17	18 40 15	8°17'45	13°59	4°48	2°53	20° 3	24°19	18°18	4°58	13°36	6°49	12° 4	11°59	23°29	n.a.	T 17
W18	18 44 11	9°15'49	26°29	5°25	4° 7	20°41	24°21	18°19	5° 0	13°37	6°47	12° 4	11°56	23°36	n.a.	W18
T 19	18 48 8	10°13'55	8♋47	5°59	5°22	21°18	24°24	18°20	5° 1	13°38	6°46	12°D 3	11°53	23°42	n.a.	T 19
F 20	18 52 4	11°12'03	20°56	6°27	6°36	21°56	24°26	18°21	5° 3	13°40	6°45	12° 4	11°49	23°49	n.a.	F 20
S 21	18 56 1	12°10'13	2♌55	6°52	7°51	22°33	24°27	18°22	5° 5	13°41	6°43	12°R 4	11°46	23°56	n.a.	S 21
S 22	18 59 58	13° 8'24	14°49	7°11	9° 6	23°11	24°29	18°23	5° 7	13°42	6°42	12° 3	11°43	24° 2	n.a.	S 22
M23	19 3 54	14° 6'37	26°39	7°25	10°20	23°48	24°30	18°25	5° 9	13°44	6°41	12° 3	11°40	24° 9	n.a.	M23
T 24	19 7 51	15° 4'52	8♍28	7°34	11°35	24°25	24°31	18°26	5°11	13°45	6°40	12° 3	11°37	24°16	n.a.	T 24
W25	19 11 47	16° 3'08	20°20	7°R37	12°49	25° 2	24°32	18°28	5°12	13°46	6°38	12° 3	11°34	24°23	n.a.	W25
T 26	19 15 44	17° 1'27	2♎19	7°34	14° 4	25°40	24°33	18°29	5°14	13°48	6°37	12° 2	11°30	24°29	n.a.	T 26
F 27	19 19 40	17°59'47	14°29	7°25	15°19	26°17	24°34	18°31	5°15	13°49	6°36	12°D 2	11°27	24°36	n.a.	F 27
S 28	19 23 37	18°58'08	26°55	7° 9	16°33	26°54	24°34	18°33	5°17	13°51	6°34	12° 2	11°24	24°43	n.a.	S 28
S 29	19 27 33	19°56'32	9♏41	6°47	17°48	27°30	24°R34	18°35	5°18	13°52	6°33	12° 2	11°21	24°49	n.a.	S 29
M30	19 31 30	20°54'57	22°50	6°18	19° 3	28° 7	24°34	18°37	5°20	13°54	6°32	12° 3	11°18	24°56	n.a.	M30
T 31	19 35 26	21♋53'24	6♐25	5♌42	20♋18	28♉44	24♓34	18♎39	5♉21	13♍55	6♑31	12♋ 4	11♋15	25♌ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n42	7s37	4n58	22n56	0n19	23n10	0n22	14n52	0s11	4s 7	1s32	5s 9	2n19	12n55	0s18	8n30	2n 0	34s10	10s30	23n19	23n15	17n35			n.a.
M 2	23 44	12 21	4 26	22 36	0 10	23 21	0 24	15 5	0 11	4 5	1 32	5 9	2 19	12 56	0 18	8 30	2 0	34 11	10 30	23 19	23 16	17 34			n.a.
T 3	23 47	16 38	3 38	22 16	0 1	23 32	0 27	15 18	0 10	4 3	1 32	5 9	2 19	12 57	0 18	8 30	2 0	34 11	10 30	23 19	23 16	17 32			n.a.
W 4	23 49	20 7	2 37	21 55	0s 8	23 42	0 29	15 30	0 9	4 1	1 32	5 9	2 18	12 58	0 18	8 29	2 0	34 11	10 30	23 20	23 16	17 30			n.a.
T 5	23 51	22 27	1 24	21 33	0 17	23 51	0 31	15 43	0 9	4 0	1 33	5 10	2 18	12 58	0 18	8 29	2 0	34 11	10 31	23 20	23 17	17 29			n.a.
F 6	23 52	23 20	0 5	21 11	0 27	24 0	0 33	15 56	0 8	3 58	1 33	5 10	2 18	12 59	0 18	8 29	2 0	34 11	10 31	23 20	23 17	17 27			n.a.
S 7	23 53	22 37	1s16	20 49	0 37	24 8	0 36	16 8	0 7	3 57	1 33	5 10	2 18	13 0	0 18	8 28	2 0	34 12	10 31	23 20	23 17	17 26			n.a.
S 8	23 53	20 20	2 32	20 26	0 47	24 15	0 38	16 20	0 6	3 55	1 33	5 10	2 17	13 1	0 18	8 28	2 0	34 12	10 31	23 20	23 18	17 24			n.a.
M 9	23 53	16 45	3 37	20 3	0 57	24 22	0 40	16 33	0 6	3 54	1 34	5 10	2 17	13 2	0 18	8 27	2 0	34 12	10 31	23 20	23 18	17 22			n.a.
T 10	23 53	12 12	4 28	19 41	1 7	24 27	0 42	16 45	0 5	3 53	1 34	5 11	2 17	13 2	0 18	8 27	2 0	34 12	10 31	23 20	23 18	17 21			n.a.
W11	23 52	7 3	5 1	19 18	1 18	24 32	0 44	16 57	0 4	3 51	1 34	5 11	2 16	13 3	0 19	8 27	2 0	34 12	10 31	23 19	23 18	17 19			n.a.
T 12	23 50	1 37	5 16	18 55	1 28	24 37	0 46	17 8	0 4	3 50	1 35	5 11	2 16	13 4	0 19	8 26	2 0	34 12	10 31	23 19	23 19	17 18			n.a.
F 13	23 49	3n46	5 13	18 33	1 39	24 40	0 48	17 20	0 3	3 49	1 35	5 12	2 16	13 5	0 19	8 26	2 0	34 13	10 31	23 20	23 19	17 16			n.a.
S 14	23 47	8 54	4 52	18 11	1 49	24 43	0 50	17 32	0 2	3 48	1 35	5 12	2 16	13 5	0 19	8 25	1 59	34 13	10 31	23 20	23 19	17 14			n.a.
S 15	23 44	13 30	4 16	17 49	2 0	24 45	0 52	17 43	0 1	3 47	1 35	5 13	2 15	13 6	0 19	8 25	1 59	34 13	10 31	23 20	23 20	17 13			n.a.
M16	23 41	17 25	3 28	17 28	2 11	24 46	0 54	17 54	0 1	3 46	1 36	5 13	2 15	13 7	0 19	8 24	1 59	34 13	10 31	23 20	23 20	17 11			n.a.
T 17	23 37	20 26	2 30	17 8	2 22	24 47	0 55	18 5	0n 0	3 46	1 36	5 14	2 15	13 8	0 19	8 24	1 59	34 13	10 31	23 20	23 20	17 9			n.a.
W18	23 33	22 25	1 25	16 49	2 32	24 46	0 57	18 16	0 1	3 45	1 36	5 14	2 15	13 8	0 19	8 23	1 59	34 13	10 32	23 20	23 20	17 8			n.a.
T 19	23 29	23 17	0 18	16 30	2 43	24 45	0 59	18 27	0 2	3 44	1 37	5 15	2 14	13 9	0 19	8 23	1 59	34 13	10 32	23 20	23 21	17 6			n.a.
F 20	23 24	23 2	0n49	16 13	2 53	24 44	1 0	18 38	0 2	3 44	1 37	5 16	2 14	13 10	0 19	8 22	1 59	34 13	10 32	23 20	23 21	17 4			n.a.
S 21	23 19	21 42	1 53	15 57	3 3	24 41	1 2	18 48	0 3	3 43	1 37	5 16	2 14	13 10	0 19	8 22	1 59	34 14	10 32	23 20	23 21	17 3			n.a.
S 22	23 14	19 26	2 52	15 43	3 13	24 38	1 4	18 59	0 4	3 43	1 37	5 17	2 14	13 11	0 19	8 21	1 59	34 14	10 32	23 20	23 22	17 1			n.a.
M23	23 7	16 21	3 43	15 30	3 22	24 34	1 5	19 9	0 5	3 43	1 38	5 18	2 13	13 11	0 19	8 20	1 59	34 14	10 32	23 20	23 22	16 59			n.a.
T 24	23 1	12 37	4 25	15 19	3 31	24 29	1 7	19 19	0 6	3 43	1 38	5 19	2 13	13 12	0 19	8 20	1 59	34 14	10 32	23 20	23 22	16 58			n.a.
W25	22 54	8 24	4 55	15 10	3 40	24 23	1 8	19 29	0 6	3 42	1 38	5 20	2 13	13 13	0 19	8 19	1 59	34 14	10 32	23 20	23 22	16 56			n.a.
T 26	22 47	3 50	5 13	15 4	3 47	24 17	1 9	19 39	0 7	3 42	1 39	5 20	2 12	13 13	0 19	8 19	1 59	34 14	10 32	23 20	23 23	16 54			n.a.
F 27	22 39	0s57	5 17	14 59	3 54	24 10	1 11	19 49	0 8	3 42	1 39	5 21	2 12	13 14	0 19	8 18	1 59	34 14	10 32	23 20	23 23	16 53			n.a.
S 28	22 31	5 48	5 7	14 58	4 0	24 2	1 12	19 58	0 9	3 42	1 39	5 22	2 12	13 14	0 19	8 17	1 59	34 14	10 32	23 20	23 23	16 51			n.a.
S 29	22 23	10 33	4 41	14 59	4 5	23 53	1 13	20 8	0 9	3 43	1 39	5 23	2 12	13 15	0 19	8 17	1 59	34 14	10 32	23 20	23 24	16 49			n.a.
M30	22 14	14 57	4 0	15 2	4 9	23 44	1 14	20 17	0 10	3 43	1 40	5 24	2 11	13 15	0 19	8 16	1 59	34 14	10 32	23 20	23 24	16 48			n.a.
T 31	22n 4	18s45	3n 5	15n 9	4s11	23n34	1n15	20n26	0n11	3s43	1s40	5s25	2n11	13n16	0s19	8n16	1n59	34s14	10s32	23n20	23n24	16n46			n.a.

Julian Day Number = 1112732.5, Delta T = 10h50m38s
Ecliptic obliquity = 23°53'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'42, Lahiri = -26°56'42 Julian Calendar 1 July 1667 BCE == Greg. Calendar 17 June 1667 BCE

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

AUGUST 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 39 23	22♋51'53	20♐27	5°R 1	21♋32	29♉21	24°R34	18♎41	5♉23	13♍57	6°R29	12♋ 5	11♋11	25♌ 9	n.a.	W 1
T 2	19 43 20	23°50'24	4♑53	4♌13	22°47	29°57	24♓33	18°44	5°24	13°58	6♑28	12°R 5	11° 8	25°16	n.a.	T 2
F 3	19 47 16	24°48'57	19°40	3°21	24° 2	0♊34	24°32	18°46	5°25	14° 0	6°27	12° 5	11° 5	25°23	n.a.	F 3
S 4	19 51 13	25°47'32	4♒40	2°24	25°17	1°10	24°31	18°48	5°26	14° 1	6°26	12° 5	11° 2	25°29	n.a.	S 4
S 5	19 55 9	26°46'09	19°46	1°23	26°32	1°46	24°30	18°51	5°28	14° 3	6°24	12° 3	10°59	25°36	n.a.	S 5
M 6	19 59 6	27°44'48	4♓47	0°20	27°47	2°23	24°28	18°54	5°29	14° 5	6°23	12° 1	10°55	25°43	n.a.	M 6
T 7	20 3 2	28°43'30	19°36	29♋17	29° 2	2°59	24°27	18°57	5°30	14° 6	6°22	11°59	10°52	25°49	n.a.	T 7
W 8	20 6 59	29°42'13	4♈ 7	28°14	0♌16	3°35	24°25	18°59	5°31	14° 8	6°21	11°58	10°49	25°56	n.a.	W 8
T 9	20 10 55	0♌41'00	18°14	27°13	1°31	4°11	24°23	19° 2	5°32	14°10	6°20	11°56	10°46	26° 3	n.a.	T 9
F 10	20 14 52	1°39'49	1♉59	26°16	2°46	4°47	24°21	19° 5	5°33	14°12	6°18	11°D56	10°43	26° 9	n.a.	F 10
S 11	20 18 49	2°38'40	15°19	25°24	4° 1	5°23	24°18	19° 8	5°33	14°13	6°17	11°56	10°40	26°16	n.a.	S 11
S 12	20 22 45	3°37'34	28°19	24°38	5°16	5°59	24°16	19°12	5°34	14°15	6°16	11°58	10°36	26°23	n.a.	S 12
M13	20 26 42	4°36'30	11♊ 0	24° 1	6°31	6°34	24°13	19°15	5°35	14°17	6°15	11°59	10°33	26°30	n.a.	M13
T 14	20 30 38	5°35'29	23°27	23°32	7°46	7°10	24°10	19°18	5°36	14°19	6°14	12° 1	10°30	26°36	n.a.	T 14
W15	20 34 35	6°34'30	5♋41	23°13	9° 1	7°46	24° 7	19°22	5°36	14°21	6°13	12° 2	10°27	26°43	n.a.	W15
T 16	20 38 31	7°33'33	17°46	23°D 3	10°16	8°21	24° 3	19°25	5°37	14°23	6°12	12°R 2	10°24	26°50	n.a.	T 16
F 17	20 42 28	8°32'39	29°44	23° 4	11°32	8°56	24° 0	19°29	5°37	14°24	6°11	12° 0	10°21	26°56	n.a.	F 17
S 18	20 46 24	9°31'47	11♌37	23°15	12°47	9°32	23°56	19°33	5°38	14°26	6°10	11°58	10°17	27° 3	n.a.	S 18
S 19	20 50 21	10°30'57	23°27	23°36	14° 2	10° 7	23°52	19°36	5°38	14°28	6° 9	11°54	10°14	27°10	n.a.	S 19
M20	20 54 17	11°30'09	5♍17	24° 6	15°17	10°42	23°48	19°40	5°39	14°30	6° 8	11°49	10°11	27°16	n.a.	M20
T 21	20 58 14	12°29'23	17° 7	24°46	16°32	11°17	23°44	19°44	5°39	14°32	6° 6	11°43	10° 8	27°23	n.a.	T 21
W22	21 2 11	13°28'39	29° 1	25°34	17°47	11°52	23°39	19°48	5°39	14°34	6° 5	11°37	10° 5	27°30	n.a.	W22
T 23	21 6 7	14°27'58	11♎ 1	26°31	19° 2	12°27	23°34	19°52	5°40	14°36	6° 5	11°33	10° 1	27°36	n.a.	T 23
F 24	21 10 4	15°27'18	23°11	27°34	20°17	13° 1	23°29	19°56	5°40	14°38	6° 4	11°29	9°58	27°43	n.a.	F 24
S 25	21 14 0	16°26'40	5♏34	28°45	21°33	13°36	23°24	20° 1	5°40	14°40	6° 3	11°27	9°55	27°50	n.a.	S 25
S 26	21 17 57	17°26'05	18°14	0♌ 1	22°48	14°10	23°19	20° 5	5°40	14°42	6° 2	11°D26	9°52	27°56	n.a.	S 26
M27	21 21 53	18°25'31	1♐16	1°22	24° 3	14°45	23°14	20° 9	5°R40	14°44	6° 1	11°27	9°49	28° 3	n.a.	M27
T 28	21 25 50	19°24'59	14°42	2°47	25°18	15°19	23° 8	20°14	5°40	14°46	6° 0	11°28	9°46	28°10	n.a.	T 28
W29	21 29 46	20°24'29	28°35	4°17	26°33	15°53	23° 3	20°18	5°40	14°48	5°59	11°30	9°42	28°17	n.a.	W29
T 30	21 33 43	21°24'01	12♑56	5°49	27°48	16°27	22°57	20°23	5°40	14°50	5°58	11°R30	9°39	28°23	n.a.	T 30
F 31	21 37 39	22♌23'36	27♑42	7♌24	29♌ 4	17♊ 1	22♓51	20♎28	5♉39	14♍53	5♑57	11♋29	9♋36	28♌30	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	21n55	21s35	1n57	15n19	4s11	23n23	1n16	20n35	0n12	3s44	1s40	5s27	2n11	13n16	0s19	8n15	1n59	34s14	10s32	23n20	23n24	16n44			n.a.
T 2	21 44	23 8	0 40	15 31	4 10	23 12	1 17	20 44	0 13	3 44	1 40	5 28	2 11	13 16	0 19	8 14	1 59	34 14	10 32	23 20	23 25	16 42			n.a.
F 3	21 34	23 6	0s42	15 46	4 7	22 59	1 18	20 52	0 14	3 45	1 41	5 29	2 10	13 17	0 19	8 14	1 58	34 14	10 32	23 20	23 25	16 41			n.a.
S 4	21 23	21 25	2 2	16 4	4 2	22 46	1 19	21 1	0 14	3 45	1 41	5 30	2 10	13 17	0 19	8 13	1 58	34 14	10 32	23 20	23 25	16 39			n.a.
S 5	21 12	18 13	3 14	16 25	3 55	22 33	1 20	21 9	0 15	3 46	1 41	5 31	2 10	13 18	0 19	8 12	1 58	34 14	10 31	23 20	23 25	16 37			n.a.
M 6	21 0	13 50	4 12	16 47	3 46	22 19	1 21	21 17	0 16	3 47	1 42	5 32	2 10	13 18	0 19	8 12	1 58	34 14	10 31	23 20	23 26	16 36			n.a.
T 7	20 48	8 39	4 52	17 11	3 35	22 4	1 21	21 25	0 17	3 48	1 42	5 34	2 9	13 18	0 19	8 11	1 58	34 14	10 31	23 20	23 26	16 34			n.a.
W 8	20 36	3 6	5 13	17 37	3 22	21 48	1 22	21 33	0 18	3 49	1 42	5 35	2 9	13 19	0 19	8 10	1 58	34 14	10 31	23 20	23 26	16 32			n.a.
T 9	20 23	2n27	5 14	18 3	3 7	21 32	1 22	21 41	0 19	3 50	1 42	5 36	2 9	13 19	0 19	8 9	1 58	34 14	10 31	23 20	23 27	16 30			n.a.
F 10	20 10	7 45	4 57	18 30	2 51	21 15	1 23	21 49	0 19	3 51	1 43	5 38	2 9	13 19	0 19	8 9	1 58	34 14	10 31	23 20	23 27	16 29			n.a.
S 11	19 56	12 32	4 24	18 57	2 33	20 57	1 23	21 56	0 20	3 52	1 43	5 39	2 8	13 20	0 19	8 8	1 58	34 14	10 31	23 20	23 27	16 27			n.a.
S 12	19 42	16 37	3 38	19 23	2 15	20 39	1 24	22 3	0 21	3 54	1 43	5 41	2 8	13 20	0 19	8 7	1 58	34 14	10 31	23 20	23 27	16 25			n.a.
M13	19 28	19 50	2 43	19 48	1 56	20 21	1 24	22 10	0 22	3 55	1 43	5 42	2 8	13 20	0 19	8 6	1 58	34 14	10 31	23 20	23 28	16 23			n.a.
T 14	19 14	22 3	1 41	20 12	1 37	20 1	1 24	22 17	0 23	3 56	1 44	5 44	2 8	13 20	0 19	8 6	1 58	34 14	10 31	23 20	23 28	16 21			n.a.
W15	18 59	23 11	0 35	20 35	1 17	19 41	1 24	22 24	0 24	3 58	1 44	5 45	2 7	13 21	0 19	8 5	1 58	34 14	10 31	23 20	23 28	16 20			n.a.
T 16	18 43	23 12	0n31	20 55	0 58	19 21	1 24	22 31	0 25	3 59	1 44	5 47	2 7	13 21	0 19	8 4	1 58	34 14	10 31	23 20	23 28	16 18			n.a.
F 17	18 28	22 9	1 36	21 13	0 40	19 0	1 24	22 37	0 26	4 1	1 44	5 48	2 7	13 21	0 19	8 3	1 58	34 14	10 31	23 20	23 29	16 16			n.a.
S 18	18 12	20 6	2 35	21 29	0 22	18 38	1 24	22 44	0 26	4 3	1 45	5 50	2 7	13 21	0 19	8 3	1 58	34 14	10 31	23 20	23 29	16 14			n.a.
S 19	17 56	17 13	3 28	21 42	0 5	18 16	1 24	22 50	0 27	4 5	1 45	5 52	2 7	13 21	0 19	8 2	1 58	34 14	10 30	23 21	23 29	16 13			n.a.
M20	17 39	13 38	4 11	21 53	0n11	17 54	1 24	22 56	0 28	4 6	1 45	5 53	2 6	13 21	0 19	8 1	1 58	34 14	10 30	23 21	23 29	16 11			n.a.
T 21	17 22	9 31	4 44	22 0	0 26	17 30	1 24	23 2	0 29	4 8	1 45	5 55	2 6	13 21	0 19	8 0	1 58	34 14	10 30	23 22	23 30	16 9			n.a.
W22	17 5	5 2	5 4	22 5	0 40	17 7	1 24	23 8	0 30	4 10	1 45	5 57	2 6	13 22	0 19	7 59	1 58	34 14	10 30	23 22	23 30	16 7			n.a.
T 23	16 48	0 20	5 12	22 7	0 53	16 43	1 23	23 13	0 31	4 13	1 46	5 59	2 6	13 22	0 19	7 59	1 58	34 14	10 30	23 23	23 30	16 5			n.a.
F 24	16 30	4s27	5 5	22 5	1 4	16 18	1 23	23 19	0 32	4 15	1 46	6 0	2 5	13 22	0 19	7 58	1 58	34 14	10 30	23 23	23 30	16 3			n.a.
S 25	16 12	9 9	4 45	22 1	1 14	15 53	1 22	23 24	0 33	4 17	1 46	6 2	2 5	13 22	0 19	7 57	1 58	34 14	10 30	23 23	23 31	16 2			n.a.
S 26	15 54	13 35	4 10	21 53	1 23	15 27	1 22	23 29	0 34	4 19	1 46	6 4	2 5	13 22	0 19	7 56	1 58	34 14	10 30	23 23	23 31	16 0			n.a.
M27	15 35	17 31	3 22	21 43	1 31	15 2	1 21	23 34	0 35	4 21	1 46	6 6	2 5	13 22	0 19	7 55	1 58	34 14	10 30	23 23	23 31	15 58			n.a.
T 28	15 16	20 40	2 21	21 29	1 38	14 35	1 20	23 39	0 36	4 24	1 47	6 8	2 5	13 22	0 19	7 54	1 58	34 14	10 29	23 23	23 31	15 56			n.a.
W29	14 57	22 43	1 10	21 13	1 43	14 9	1 20	23 44	0 37	4 26	1 47	6 10	2 4	13 22	0 19	7 54	1 58	34 14	10 29	23 23	23 32	15 54			n.a.
T 30	14 38	23 23	0s 8	20 55	1 48	13 41	1 19	23 49	0 38	4 29	1 47	6 12	2 4	13 22	0 19	7 53	1 58	34 13	10 29	23 23	23 32	15 52			n.a.
F 31	14n18	22s26	1s27	20n33	1n51	13n14	1n18	23n53	0n39	4s31	1s47	6s14	2n 4	13n22	0s19	7n52	1n58	34s13	10s29	23n23	23n32	15n51			n.a.

Julian Day Number = 1112763.5, Delta T = 10h50m36s
Ecliptic obliquity = 23°53'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'38, Lahiri = -26°56'38 Julian Calendar 1 Aug. 1667 BCE == Greg. Calendar 18 July 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

SEPTEMBER 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 41 36	23♌23'12	12♒48	9♌ 1	0♍19	17♊35	22°R45	20♎32	5°R39	14♍55	5°R57	11°R26	9♋33	28♌37	n.a.	S 1
S 2	21 45 33	24°22'50	28° 5	10°40	1°34	18° 9	22♓39	20°37	5♉39	14°57	5♑56	11♋21	9°30	28°43	n.a.	S 2
M 3	21 49 29	25°22'30	13♓22	12°20	2°49	18°43	22°32	20°42	5°38	14°59	5°55	11°15	9°27	28°50	n.a.	M 3
T 4	21 53 26	26°22'13	28°29	14° 2	4° 4	19°16	22°26	20°47	5°38	15° 1	5°54	11° 8	9°23	28°57	n.a.	T 4
W 5	21 57 22	27°21'57	13♈17	15°44	5°20	19°50	22°19	20°52	5°38	15° 3	5°53	11° 1	9°20	29° 3	n.a.	W 5
T 6	22 1 19	28°21'45	27°38	17°26	6°35	20°23	22°12	20°57	5°37	15° 5	5°53	10°56	9°17	29°10	n.a.	T 6
F 7	22 5 15	29°21'34	11♉31	19° 9	7°50	20°56	22° 5	21° 2	5°36	15° 8	5°52	10°52	9°14	29°17	n.a.	F 7
S 8	22 9 12	0♍21'27	24°55	20°52	9° 5	21°29	21°58	21° 7	5°36	15°10	5°51	10°D51	9°11	29°23	n.a.	S 8
S 9	22 13 8	1°21'21	7♊52	22°36	10°21	22° 2	21°51	21°13	5°35	15°12	5°51	10°51	9° 7	29°30	n.a.	S 9
M10	22 17 5	2°21'18	20°28	24°19	11°36	22°35	21°44	21°18	5°34	15°14	5°50	10°52	9° 4	29°37	n.a.	M10
T 11	22 21 1	3°21'18	2♋46	26° 1	12°51	23° 8	21°36	21°23	5°34	15°16	5°50	10°53	9° 1	29°44	n.a.	T 11
W12	22 24 58	4°21'19	14°51	27°44	14° 6	23°40	21°29	21°29	5°33	15°19	5°49	10°R53	8°58	29°50	n.a.	W12
T 13	22 28 55	5°21'23	26°47	29°26	15°22	24°13	21°21	21°34	5°32	15°21	5°48	10°52	8°55	29°57	n.a.	T 13
F 14	22 32 51	6°21'29	8♌38	1♍ 8	16°37	24°45	21°14	21°40	5°31	15°23	5°48	10°48	8°52	0♍ 4	n.a.	F 14
S 15	22 36 48	7°21'38	20°28	2°49	17°52	25°17	21° 6	21°46	5°30	15°25	5°47	10°41	8°48	0°10	n.a.	S 15
S 16	22 40 44	8°21'48	2♍17	4°30	19° 7	25°49	20°58	21°51	5°29	15°28	5°47	10°32	8°45	0°17	n.a.	S 16
M17	22 44 41	9°22'00	14° 9	6°11	20°23	26°21	20°51	21°57	5°28	15°30	5°46	10°21	8°42	0°24	n.a.	M17
T 18	22 48 37	10°22'15	26° 4	7°51	21°38	26°53	20°43	22° 3	5°27	15°32	5°46	10° 9	8°39	0°30	n.a.	T 18
W19	22 52 34	11°22'31	8♎ 5	9°30	22°53	27°25	20°35	22° 9	5°26	15°34	5°46	9°57	8°36	0°37	n.a.	W19
T 20	22 56 30	12°22'49	20°12	11° 9	24° 8	27°56	20°27	22°14	5°24	15°36	5°45	9°46	8°32	0°44	n.a.	T 20
F 21	23 0 27	13°23'09	2♏27	12°48	25°23	28°27	20°19	22°20	5°23	15°39	5°45	9°37	8°29	0°50	n.a.	F 21
S 22	23 4 24	14°23'30	14°53	14°26	26°39	28°59	20°10	22°26	5°22	15°41	5°45	9°30	8°26	0°57	n.a.	S 22
S 23	23 8 20	15°23'53	27°33	16° 4	27°54	29°30	20° 2	22°32	5°21	15°43	5°44	9°26	8°23	1° 4	n.a.	S 23
M24	23 12 17	16°24'18	10♐29	17°41	29° 9	0♋ 0	19°54	22°38	5°19	15°45	5°44	9°25	8°20	1°11	n.a.	M24
T 25	23 16 13	17°24'45	23°47	19°18	0♎24	0°31	19°46	22°45	5°18	15°48	5°44	9°D25	8°17	1°17	n.a.	T 25
W26	23 20 10	18°25'13	7♑27	20°54	1°40	1° 2	19°38	22°51	5°16	15°50	5°43	9°R25	8°13	1°24	n.a.	W26
T 27	23 24 6	19°25'42	21°34	22°30	2°55	1°32	19°30	22°57	5°15	15°52	5°43	9°25	8°10	1°31	n.a.	T 27
F 28	23 28 3	20°26'13	6♒ 5	24° 6	4°10	2° 2	19°21	23° 3	5°13	15°54	5°43	9°22	8° 7	1°37	n.a.	F 28
S 29	23 31 59	21°26'46	20°59	25°41	5°25	2°32	19°13	23° 9	5°11	15°57	5°43	9°17	8° 4	1°44	n.a.	S 29
S 30	23 35 56	22♍27'20	6♓ 9	27♍16	6♎40	3♋ 2	19♓ 5	23♎16	5♉10	15♍59	5♑43	9♋ 9	8♋ 1	1♍51	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n59	19s52	2s41	20n10	1n54	12n46	1n17	23n57	0n40	4s34	1s47	6s16	2n 4	13n21	0s19	7n51	1n58	34s13	10s29	23n23	23n32	15n49		n.a.
S 2	13 38	15 52	3 45	19 44	1 56	12 18	1 16	24 1	0 41	4 37	1 47	6 18	2 4	13 21	0 19	7 50	1 57	34 13	10 29	23 24	23 32	15 47		n.a.
M 3	13 18	10 50	4 33	19 17	1 57	11 49	1 15	24 5	0 42	4 39	1 47	6 20	2 3	13 21	0 19	7 49	1 57	34 13	10 28	23 24	23 33	15 45		n.a.
T 4	12 58	5 12	5 1	18 47	1 57	11 21	1 14	24 9	0 43	4 42	1 48	6 22	2 3	13 21	0 19	7 48	1 57	34 13	10 28	23 25	23 33	15 43		n.a.
W 5	12 37	0n37	5 8	18 16	1 56	10 51	1 13	24 13	0 44	4 45	1 48	6 24	2 3	13 21	0 19	7 48	1 57	34 13	10 28	23 25	23 33	15 41		n.a.
T 6	12 16	6 14	4 55	17 43	1 55	10 22	1 12	24 16	0 45	4 48	1 48	6 26	2 3	13 21	0 19	7 47	1 57	34 13	10 28	23 26	23 33	15 39		n.a.
F 7	11 55	11 22	4 26	17 9	1 53	9 52	1 10	24 20	0 46	4 51	1 48	6 28	2 3	13 20	0 19	7 46	1 57	34 12	10 28	23 26	23 34	15 38		n.a.
S 8	11 33	15 46	3 42	16 34	1 51	9 22	1 9	24 23	0 47	4 54	1 48	6 30	2 2	13 20	0 19	7 45	1 57	34 12	10 28	23 26	23 34	15 36		n.a.
S 9	11 12	19 16	2 48	15 57	1 49	8 52	1 8	24 26	0 48	4 57	1 48	6 33	2 2	13 20	0 19	7 44	1 57	34 12	10 27	23 26	23 34	15 34		n.a.
M10	10 50	21 45	1 48	15 19	1 45	8 22	1 6	24 29	0 49	5 0	1 48	6 35	2 2	13 20	0 19	7 43	1 57	34 12	10 27	23 26	23 34	15 32		n.a.
T 11	10 28	23 8	0 44	14 40	1 42	7 51	1 5	24 32	0 50	5 3	1 48	6 37	2 2	13 20	0 19	7 42	1 57	34 12	10 27	23 26	23 35	15 30		n.a.
W12	10 6	23 24	0n21	14 1	1 38	7 20	1 3	24 35	0 51	5 6	1 48	6 39	2 2	13 19	0 19	7 41	1 57	34 12	10 27	23 26	23 35	15 28		n.a.
T 13	9 43	22 34	1 24	13 21	1 34	6 49	1 1	24 38	0 52	5 9	1 49	6 41	2 1	13 19	0 19	7 41	1 57	34 12	10 27	23 26	23 35	15 26		n.a.
F 14	9 21	20 44	2 23	12 40	1 29	6 18	1 0	24 40	0 53	5 12	1 49	6 44	2 1	13 19	0 19	7 40	1 57	34 11	10 27	23 26	23 35	15 24		n.a.
S 15	8 58	18 1	3 15	11 58	1 24	5 46	0 58	24 42	0 54	5 15	1 49	6 46	2 1	13 18	0 19	7 39	1 57	34 11	10 26	23 27	23 35	15 22		n.a.
S 16	8 35	14 34	3 59	11 16	1 19	5 15	0 56	24 45	0 55	5 18	1 49	6 48	2 1	13 18	0 19	7 38	1 57	34 11	10 26	23 28	23 36	15 20		n.a.
M17	8 12	10 32	4 33	10 34	1 14	4 43	0 55	24 47	0 56	5 21	1 49	6 51	2 1	13 18	0 19	7 37	1 57	34 11	10 26	23 29	23 36	15 18		n.a.
T 18	7 49	6 4	4 54	9 51	1 9	4 11	0 53	24 49	0 58	5 25	1 49	6 53	2 1	13 17	0 19	7 36	1 57	34 11	10 26	23 30	23 36	15 17		n.a.
W19	7 26	1 22	5 3	9 7	1 3	3 39	0 51	24 50	0 59	5 28	1 49	6 55	2 0	13 17	0 19	7 35	1 57	34 11	10 26	23 30	23 36	15 15		n.a.
T 20	7 2	3s27	4 58	8 24	0 57	3 7	0 49	24 52	1 0	5 31	1 49	6 58	2 0	13 16	0 19	7 34	1 57	34 10	10 25	23 31	23 36	15 13		n.a.
F 21	6 39	8 11	4 40	7 40	0 51	2 35	0 47	24 54	1 1	5 34	1 49	7 0	2 0	13 16	0 19	7 34	1 57	34 10	10 25	23 32	23 37	15 11		n.a.
S 22	6 15	12 40	4 8	6 56	0 45	2 3	0 45	24 55	1 2	5 37	1 49	7 2	2 0	13 15	0 19	7 33	1 57	34 10	10 25	23 32	23 37	15 9		n.a.
S 23	5 52	16 41	3 23	6 12	0 39	1 30	0 43	24 57	1 3	5 41	1 49	7 5	2 0	13 15	0 19	7 32	1 57	34 10	10 25	23 33	23 37	15 7		n.a.
M24	5 28	20 1	2 27	5 28	0 33	0 58	0 41	24 58	1 4	5 44	1 49	7 7	2 0	13 15	0 19	7 31	1 57	34 10	10 25	23 33	23 37	15 5		n.a.
T 25	5 4	22 22	1 22	4 43	0 26	0 26	0 39	24 59	1 6	5 47	1 49	7 10	2 0	13 14	0 19	7 30	1 57	34 9	10 24	23 33	23 37	15 3		n.a.
W26	4 40	23 30	0 10	3 59	0 20	0s 7	0 37	25 0	1 7	5 50	1 49	7 12	1 59	13 14	0 19	7 29	1 57	34 9	10 24	23 33	23 38	15 1		n.a.
T 27	4 16	23 11	1s 4	3 14	0 14	0 39	0 34	25 1	1 8	5 54	1 49	7 15	1 59	13 13	0 19	7 28	1 57	34 9	10 24	23 33	23 38	14 59		n.a.
F 28	3 51	21 18	2 16	2 30	0 7	1 12	0 32	25 2	1 9	5 57	1 49	7 17	1 59	13 12	0 19	7 27	1 57	34 9	10 24	23 33	23 38	14 57		n.a.
S 29	3 27	17 56	3 21	1 45	0 1	1 44	0 30	25 2	1 11	6 0	1 48	7 20	1 59	13 12	0 19	7 26	1 57	34 9	10 24	23 33	23 38	14 55		n.a.
S 30	3n 3	13s20	4s13	1n 1	0s 6	2s17	0n28	25n 3	1n12	6s 3	1s48	7s22	1n59	13n11	0s19	7n26	1n57	34s 8	10s23	23n34	23n38	14n53		n.a.

Julian Day Number = 1112794.5, Delta T = 10h50m34s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'34, Lahiri = -26°56'33 Julian Calendar 1 Sept. 1667 BCE == Greg. Calendar 18 Aug. 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

OCTOBER 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 39 52	23♍27'55	21♓25	28♍50	7♎56	3♋32	18°R57	23♎22	5°R 8	16♍ 1	5°R43	8°R59	7♋58	1♍57	n.a.	M 1
T 2	23 43 49	24°28'32	6♈36	0♎25	9°11	4° 1	18♓49	23°29	5♉ 6	16° 3	5♏43	8♋48	7°54	2° 4	n.a.	T 2
W 3	23 47 46	25°29'11	21°31	1°59	10°26	4°31	18°41	23°35	5° 5	16° 6	5°43	8°37	7°51	2°11	n.a.	W 3
T 4	23 51 42	26°29'52	6♉ 3	3°32	11°41	5° 0	18°33	23°41	5° 3	16° 8	5°D43	8°27	7°48	2°18	n.a.	T 4
F 5	23 55 39	27°30'34	20° 5	5° 6	12°56	5°29	18°25	23°48	5° 1	16°10	5°43	8°20	7°45	2°24	n.a.	F 5
S 6	23 59 35	28°31'19	3♊37	6°39	14°11	5°58	18°17	23°54	4°59	16°12	5°43	8°16	7°42	2°31	n.a.	S 6
S 7	0 3 32	29°32'05	16°40	8°12	15°26	6°26	18° 9	24° 1	4°57	16°15	5°43	8°13	7°38	2°38	n.a.	S 7
M 8	0 7 28	0♎32'53	29°18	9°45	16°42	6°55	18° 1	24° 8	4°55	16°17	5°43	8°D13	7°35	2°44	n.a.	M 8
T 9	0 11 25	1°33'43	11♋35	11°17	17°57	7°23	17°53	24°14	4°53	16°19	5°43	8°R13	7°32	2°51	n.a.	T 9
W10	0 15 21	2°34'34	23°39	12°49	19°12	7°51	17°46	24°21	4°51	16°21	5°43	8°12	7°29	2°58	n.a.	W10
T 11	0 19 18	3°35'28	5♌32	14°21	20°27	8°18	17°38	24°28	4°49	16°23	5°43	8°10	7°26	3° 4	n.a.	T 11
F 12	0 23 15	4°36'22	17°21	15°53	21°42	8°46	17°31	24°34	4°47	16°25	5°43	8° 5	7°23	3°11	n.a.	F 12
S 13	0 27 11	5°37'19	29° 9	17°25	22°57	9°13	17°23	24°41	4°45	16°28	5°44	7°56	7°19	3°18	n.a.	S 13
S 14	0 31 8	6°38'16	11♍ 1	18°56	24°12	9°40	17°16	24°48	4°43	16°30	5°44	7°45	7°16	3°25	n.a.	S 14
M15	0 35 4	7°39'15	22°57	20°27	25°27	10° 7	17° 9	24°55	4°40	16°32	5°44	7°32	7°13	3°31	n.a.	M15
T 16	0 39 1	8°40'16	5♎ 0	21°58	26°42	10°34	17° 2	25° 1	4°38	16°34	5°45	7°17	7°10	3°38	n.a.	T 16
W17	0 42 57	9°41'17	17°11	23°29	27°57	11° 0	16°55	25° 8	4°36	16°36	5°45	7° 2	7° 7	3°45	n.a.	W17
T 18	0 46 54	10°42'20	29°31	24°59	29°12	11°26	16°48	25°15	4°34	16°38	5°45	6°48	7° 3	3°51	n.a.	T 18
F 19	0 50 50	11°43'24	11♏59	26°29	0♏27	11°52	16°41	25°22	4°31	16°40	5°46	6°36	7° 0	3°58	n.a.	F 19
S 20	0 54 47	12°44'29	24°38	27°59	1°43	12°17	16°34	25°29	4°29	16°42	5°46	6°28	6°57	4° 5	n.a.	S 20
S 21	0 58 44	13°45'35	7♐27	29°28	2°58	12°43	16°28	25°36	4°27	16°44	5°46	6°22	6°54	4°11	n.a.	S 21
M22	1 2 40	14°46'41	20°29	0♏56	4°13	13° 8	16°22	25°43	4°24	16°47	5°47	6°19	6°51	4°18	n.a.	M22
T 23	1 6 37	15°47'49	3♑47	2°24	5°28	13°32	16°15	25°50	4°22	16°49	5°47	6°D19	6°48	4°25	n.a.	T 23
W24	1 10 33	16°48'57	17°21	3°52	6°43	13°57	16° 9	25°57	4°20	16°51	5°48	6°R19	6°44	4°32	n.a.	W24
T 25	1 14 30	17°50'06	1♒15	5°19	7°57	14°21	16° 4	26° 4	4°17	16°53	5°48	6°18	6°41	4°38	n.a.	T 25
F 26	1 18 26	18°51'15	15°29	6°44	9°12	14°45	15°58	26°11	4°15	16°55	5°49	6°16	6°38	4°45	n.a.	F 26
S 27	1 22 23	19°52'25	0♓ 1	8° 9	10°27	15° 9	15°52	26°18	4°12	16°57	5°50	6°11	6°35	4°52	n.a.	S 27
S 28	1 26 19	20°53'35	14°49	9°33	11°42	15°32	15°47	26°25	4°10	16°58	5°50	6° 3	6°32	4°58	n.a.	S 28
M29	1 30 16	21°54'46	29°45	10°55	12°57	15°55	15°42	26°32	4° 7	17° 0	5°51	5°53	6°29	5° 5	n.a.	M29
T 30	1 34 13	22°55'57	14♈40	12°15	14°12	16°17	15°37	26°39	4° 5	17° 2	5°52	5°42	6°25	5°12	n.a.	T 30
W31	1 38 9	23♎57'10	29♈26	13♏33	15♏27	16♋40	15♓32	26♎46	4♉ 2	17♍ 4	5♏52	5♋31	6♋22	5♍18	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	2n38	7s51	4s47	0n17	0s12	2s49	0n25	25n 3	1n13	6s 6	1s48	7s25	1n59	13n11	0s19	7n25	1n57	34s 8	10s23	23n35	23n39	14n51			n.a.
T 2	2 14	1 56	5 1	0s27	0 19	3 21	0 23	25 4	1 14	6 10	1 48	7 27	1 59	13 10	0 19	7 24	1 57	34 8	10 23	23 35	23 39	14 49			n.a.
W 3	1 50	4n 1	4 54	1 11	0 25	3 53	0 21	25 4	1 16	6 13	1 48	7 30	1 58	13 10	0 19	7 23	1 57	34 8	10 23	23 36	23 39	14 47			n.a.
T 4	1 25	9 35	4 27	1 55	0 32	4 26	0 18	25 4	1 17	6 16	1 48	7 32	1 58	13 9	0 19	7 22	1 57	34 8	10 23	23 37	23 39	14 45			n.a.
F 5	1 0	14 29	3 46	2 39	0 38	4 58	0 16	25 5	1 18	6 19	1 48	7 35	1 58	13 8	0 19	7 21	1 57	34 7	10 22	23 37	23 39	14 43			n.a.
S 6	0 36	18 27	2 52	3 22	0 44	5 29	0 13	25 5	1 20	6 22	1 48	7 37	1 58	13 8	0 19	7 20	1 57	34 7	10 22	23 38	23 40	14 41			n.a.
S 7	0 11	21 21	1 51	4 5	0 51	6 1	0 11	25 5	1 21	6 25	1 48	7 40	1 58	13 7	0 19	7 19	1 57	34 7	10 22	23 38	23 40	14 39			n.a.
M 8	0s13	23 6	0 47	4 48	0 57	6 33	0 8	25 4	1 22	6 28	1 47	7 42	1 58	13 6	0 19	7 19	1 58	34 7	10 22	23 38	23 40	14 37			n.a.
T 9	0 38	23 40	0n18	5 30	1 3	7 4	0 6	25 4	1 24	6 31	1 47	7 45	1 58	13 6	0 19	7 18	1 58	34 7	10 21	23 38	23 40	14 35			n.a.
W10	1 3	23 6	1 21	6 13	1 9	7 36	0 4	25 4	1 25	6 34	1 47	7 48	1 58	13 5	0 19	7 17	1 58	34 6	10 21	23 38	23 40	14 33			n.a.
T 11	1 27	21 29	2 19	6 54	1 15	8 7	0 1	25 4	1 26	6 37	1 47	7 50	1 57	13 4	0 19	7 16	1 58	34 6	10 21	23 38	23 41	14 31			n.a.
F 12	1 52	18 57	3 11	7 36	1 21	8 38	0s 1	25 3	1 28	6 39	1 47	7 53	1 57	13 4	0 19	7 15	1 58	34 6	10 21	23 38	23 41	14 29			n.a.
S 13	2 16	15 38	3 54	8 17	1 26	9 9	0 4	25 3	1 29	6 42	1 47	7 55	1 57	13 3	0 19	7 14	1 58	34 6	10 21	23 39	23 41	14 27			n.a.
S 14	2 41	11 41	4 28	8 57	1 32	9 39	0 7	25 2	1 31	6 45	1 46	7 58	1 57	13 2	0 19	7 14	1 58	34 5	10 20	23 39	23 41	14 25			n.a.
M15	3 6	7 16	4 50	9 38	1 37	10 10	0 9	25 1	1 32	6 48	1 46	8 1	1 57	13 1	0 19	7 13	1 58	34 5	10 20	23 40	23 41	14 23			n.a.
T 16	3 30	2 32	4 59	10 17	1 42	10 40	0 12	25 1	1 34	6 50	1 46	8 3	1 57	13 1	0 19	7 12	1 58	34 5	10 20	23 41	23 41	14 21			n.a.
W17	3 54	2s21	4 55	10 56	1 47	11 10	0 14	25 0	1 35	6 53	1 46	8 6	1 57	13 0	0 19	7 11	1 58	34 5	10 20	23 42	23 42	14 19			n.a.
T 18	4 19	7 12	4 37	11 34	1 51	11 39	0 17	24 59	1 36	6 55	1 46	8 8	1 57	12 59	0 19	7 10	1 58	34 4	10 20	23 43	23 42	14 17			n.a.
F 19	4 43	11 50	4 5	12 12	1 56	12 9	0 19	24 58	1 38	6 58	1 45	8 11	1 57	12 58	0 19	7 10	1 58	34 4	10 19	23 43	23 42	14 15			n.a.
S 20	5 7	16 2	3 21	12 49	2 0	12 38	0 22	24 58	1 40	7 0	1 45	8 14	1 57	12 57	0 19	7 9	1 58	34 4	10 19	23 44	23 42	14 13			n.a.
S 21	5 32	19 34	2 26	13 25	2 4	13 6	0 24	24 57	1 41	7 3	1 45	8 16	1 57	12 57	0 19	7 8	1 58	34 4	10 19	23 44	23 42	14 11			n.a.
M22	5 56	22 10	1 23	14 0	2 7	13 35	0 27	24 56	1 43	7 5	1 45	8 19	1 57	12 56	0 19	7 7	1 58	34 4	10 19	23 44	23 42	14 8			n.a.
T 23	6 20	23 37	0 13	14 34	2 10	14 3	0 29	24 55	1 44	7 7	1 44	8 22	1 56	12 55	0 19	7 6	1 58	34 3	10 18	23 44	23 43	14 6			n.a.
W24	6 44	23 42	0s58	15 7	2 13	14 30	0 32	24 54	1 46	7 9	1 44	8 24	1 56	12 54	0 19	7 6	1 58	34 3	10 18	23 44	23 43	14 4			n.a.
T 25	7 7	22 20	2 8	15 40	2 16	14 58	0 34	24 53	1 47	7 11	1 44	8 27	1 56	12 53	0 19	7 5	1 58	34 3	10 18	23 44	23 43	14 2			n.a.
F 26	7 31	19 32	3 11	16 11	2 18	15 25	0 37	24 52	1 49	7 13	1 44	8 29	1 56	12 53	0 19	7 4	1 58	34 3	10 18	23 44	23 43	14 0			n.a.
S 27	7 55	15 28	4 4	16 41	2 19	15 51	0 39	24 51	1 51	7 15	1 43	8 32	1 56	12 52	0 19	7 3	1 58	34 2	10 18	23 44	23 43	13 58			n.a.
S 28	8 18	10 23	4 41	17 9	2 20	16 17	0 42	24 49	1 52	7 17	1 43	8 35	1 56	12 51	0 19	7 3	1 58	34 2	10 17	23 45	23 43	13 56			n.a.
M29	8 42	4 40	4 59	17 36	2 21	16 43	0 44	24 48	1 54	7 19	1 43	8 37	1 56	12 50	0 19	7 2	1 58	34 2	10 17	23 45	23 44	13 54			n.a.
T 30	9 5	1n20	4 58	18 1	2 20	17 8	0 46	24 47	1 56	7 21	1 42	8 40	1 56	12 49	0 19	7 1	1 58	34 2	10 17	23 46	23 44	13 52			n.a.
W31	9s28	7n11	4s36	18s25	2s20	17s33	0s49	24n46	1n57	7s22	1s42	8s42	1n56	12n48	0s19	7n 0	1n58	34s 1	10s17	23n46	23n44	13n50			n.a.

Julian Day Number = 1112824.5, Delta T = 10h50m32s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'30, Lahiri = -26°56'29 Julian Calendar 1 Oct. 1667 BCE == Greg. Calendar 17 Sept. 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

NOVEMBER 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 42 6	24♎58'22	13♉53	14♏50	16♏42	17♋ 2	15°R27	26♎53	4°R 0	17♍ 6	5♑53	5°R21	6♋19	5♍25	n.a.	T 1
F 2	1 46 2	25°59'36	27°57	16° 3	17°57	17°23	15♓22	27° 0	3♉57	17° 8	5°54	5♋13	6°16	5°32	n.a.	F 2
S 3	1 49 59	27° 0'50	11♊33	17°13	19°11	17°45	15°18	27° 7	3°55	17°10	5°54	5° 8	6°13	5°39	n.a.	S 3
S 4	1 53 55	28° 2'06	24°41	18°20	20°26	18° 6	15°14	27°14	3°52	17°12	5°55	5° 5	6° 9	5°45	n.a.	S 4
M 5	1 57 52	29° 3'22	7♋24	19°23	21°41	18°26	15°10	27°21	3°49	17°13	5°56	5°D 5	6° 6	5°52	n.a.	M 5
T 6	2 1 49	0♏ 4'38	19°47	20°20	22°56	18°46	15° 6	27°28	3°47	17°15	5°57	5° 6	6° 3	5°59	n.a.	T 6
W 7	2 5 45	1° 5'56	1♌53	21°13	24°11	19° 6	15° 3	27°35	3°44	17°17	5°58	5°R 6	6° 0	6° 5	n.a.	W 7
T 8	2 9 42	2° 7'14	13°48	21°59	25°25	19°26	14°59	27°42	3°42	17°19	5°59	5° 5	5°57	6°12	n.a.	T 8
F 9	2 13 38	3° 8'32	25°38	22°38	26°40	19°45	14°56	27°49	3°39	17°20	6° 0	5° 2	5°54	6°19	n.a.	F 9
S 10	2 17 35	4° 9'51	7♍28	23° 8	27°55	20° 3	14°53	27°56	3°37	17°22	6° 1	4°57	5°50	6°25	n.a.	S 10
S 11	2 21 31	5°11'11	19°22	23°30	29°10	20°22	14°50	28° 3	3°34	17°24	6° 2	4°49	5°47	6°32	n.a.	S 11
M12	2 25 28	6°12'31	1♎23	23°43	0♐24	20°39	14°48	28°10	3°31	17°25	6° 3	4°39	5°44	6°39	n.a.	M12
T 13	2 29 24	7°13'51	13°34	23°R44	1°39	20°57	14°45	28°17	3°29	17°27	6° 4	4°28	5°41	6°46	n.a.	T 13
W14	2 33 21	8°15'12	25°56	23°35	2°54	21°14	14°43	28°24	3°26	17°29	6° 5	4°16	5°38	6°52	n.a.	W14
T 15	2 37 18	9°16'32	8♏31	23°13	4° 8	21°30	14°41	28°31	3°24	17°30	6° 6	4° 6	5°35	6°59	n.a.	T 15
F 16	2 41 14	10°17'53	21°18	22°40	5°23	21°46	14°39	28°38	3°21	17°32	6° 7	3°57	5°31	7° 6	n.a.	F 16
S 17	2 45 11	11°19'14	4♐16	21°55	6°37	22° 2	14°38	28°44	3°19	17°33	6° 8	3°51	5°28	7°12	n.a.	S 17
S 18	2 49 7	12°20'34	17°26	21° 0	7°52	22°17	14°36	28°51	3°16	17°35	6° 9	3°47	5°25	7°19	n.a.	S 18
M19	2 53 4	13°21'55	0♑46	19°55	9° 7	22°31	14°35	28°58	3°14	17°36	6°10	3°D45	5°22	7°26	n.a.	M19
T 20	2 57 0	14°23'15	14°17	18°42	10°21	22°45	14°34	29° 5	3°11	17°38	6°11	3°46	5°19	7°33	n.a.	T 20
W21	3 0 57	15°24'35	28° 0	17°25	11°36	22°59	14°33	29°12	3° 9	17°39	6°12	3°47	5°15	7°39	n.a.	W21
T 22	3 4 54	16°25'54	11♒53	16° 4	12°50	23°12	14°33	29°19	3° 6	17°40	6°14	3°R48	5°12	7°46	n.a.	T 22
F 23	3 8 50	17°27'13	25°58	14°43	14° 5	23°24	14°33	29°26	3° 4	17°42	6°15	3°48	5° 9	7°53	n.a.	F 23
S 24	3 12 47	18°28'30	10♓13	13°25	15°19	23°36	14°D32	29°32	3° 1	17°43	6°16	3°46	5° 6	7°59	n.a.	S 24
S 25	3 16 43	19°29'48	24°37	12°11	16°33	23°47	14°33	29°39	2°59	17°44	6°17	3°41	5° 3	8° 6	n.a.	S 25
M26	3 20 40	20°31'04	9♈ 4	11° 4	17°48	23°58	14°33	29°46	2°56	17°46	6°19	3°36	5° 0	8°13	n.a.	M26
T 27	3 24 36	21°32'20	23°31	10° 6	19° 2	24° 8	14°33	29°53	2°54	17°47	6°20	3°29	4°56	8°20	n.a.	T 27
W28	3 28 33	22°33'36	7♉51	9°16	20°16	24°18	14°34	29°59	2°51	17°48	6°21	3°22	4°53	8°26	n.a.	W28
T 29	3 32 29	23°34'51	21°58	8°37	21°31	24°27	14°35	0♏ 6	2°49	17°49	6°22	3°16	4°50	8°33	n.a.	T 29
F 30	3 36 26	24♏36'05	5♊47	8♏ 7	22♐45	24♋35	14♓36	0♏13	2♉47	17♍50	6♑24	3♋11	4♋47	8♍40	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s51	12n33	3s56	18s47	2s18	17s57	0s51	24n45	1n59	7s24	1s42	8s45	1n56	12n47	0s19	7n 0	1n58	34s 1	10s17	23n47	23n44	13n48		n.a.
F 2	10 13	17 6	3 4	19 7	2 16	18 21	0 53	24 44	2 1	7 25	1 42	8 48	1 56	12 47	0 19	6 59	1 58	34 1	10 16	23 47	23 44	13 45		n.a.
S 3	10 36	20 35	2 2	19 24	2 13	18 44	0 56	24 43	2 3	7 27	1 41	8 50	1 56	12 46	0 19	6 58	1 58	34 1	10 16	23 47	23 44	13 43		n.a.
S 4	10 58	22 52	0 55	19 40	2 9	19 7	0 58	24 42	2 4	7 28	1 41	8 53	1 56	12 45	0 19	6 58	1 58	34 1	10 16	23 47	23 45	13 41		n.a.
M 5	11 21	23 53	0n12	19 53	2 4	19 29	1 0	24 41	2 6	7 30	1 41	8 55	1 56	12 44	0 19	6 57	1 58	34 0	10 16	23 47	23 45	13 39		n.a.
T 6	11 43	23 41	1 18	20 3	1 57	19 51	1 2	24 40	2 8	7 31	1 40	8 58	1 56	12 43	0 19	6 56	1 59	34 0	10 16	23 47	23 45	13 37		n.a.
W 7	12 4	22 21	2 18	20 10	1 50	20 12	1 4	24 39	2 10	7 32	1 40	9 1	1 56	12 42	0 19	6 56	1 59	34 0	10 15	23 47	23 45	13 35		n.a.
T 8	12 26	20 2	3 11	20 14	1 42	20 33	1 7	24 38	2 12	7 33	1 40	9 3	1 56	12 41	0 19	6 55	1 59	34 0	10 15	23 47	23 45	13 33		n.a.
F 9	12 47	16 54	3 56	20 15	1 32	20 53	1 9	24 37	2 14	7 34	1 39	9 6	1 56	12 40	0 19	6 54	1 59	33 59	10 15	23 47	23 45	13 30		n.a.
S 10	13 9	13 6	4 30	20 13	1 21	21 13	1 11	24 36	2 16	7 35	1 39	9 8	1 56	12 40	0 19	6 54	1 59	33 59	10 15	23 48	23 45	13 28		n.a.
S 11	13 30	8 46	4 53	20 6	1 8	21 32	1 13	24 35	2 18	7 36	1 39	9 11	1 56	12 39	0 19	6 53	1 59	33 59	10 15	23 48	23 46	13 26		n.a.
M12	13 50	4 4	5 4	19 56	0 55	21 50	1 15	24 34	2 20	7 36	1 38	9 13	1 56	12 38	0 19	6 53	1 59	33 59	10 15	23 48	23 46	13 24		n.a.
T 13	14 11	0s51	5 0	19 41	0 39	22 8	1 16	24 33	2 22	7 37	1 38	9 16	1 56	12 37	0 19	6 52	1 59	33 58	10 14	23 49	23 46	13 22		n.a.
W14	14 31	5 49	4 43	19 23	0 23	22 25	1 18	24 32	2 24	7 37	1 38	9 19	1 56	12 36	0 19	6 51	1 59	33 58	10 14	23 49	23 46	13 20		n.a.
T 15	14 51	10 38	4 12	19 0	0 5	22 41	1 20	24 32	2 26	7 38	1 37	9 21	1 55	12 35	0 19	6 51	1 59	33 58	10 14	23 49	23 46	13 18		n.a.
F 16	15 11	15 5	3 27	18 33	0n14	22 57	1 22	24 31	2 28	7 38	1 37	9 24	1 55	12 34	0 19	6 50	1 59	33 58	10 14	23 50	23 46	13 15		n.a.
S 17	15 30	18 55	2 31	18 2	0 34	23 12	1 24	24 31	2 30	7 39	1 37	9 26	1 55	12 33	0 19	6 50	1 59	33 58	10 14	23 50	23 46	13 13		n.a.
S 18	15 50	21 51	1 27	17 28	0 54	23 26	1 25	24 30	2 32	7 39	1 36	9 29	1 55	12 33	0 19	6 49	1 59	33 57	10 14	23 50	23 47	13 11		n.a.
M19	16 9	23 37	0 16	16 51	1 14	23 40	1 27	24 30	2 34	7 39	1 36	9 31	1 55	12 32	0 19	6 49	1 59	33 57	10 13	23 50	23 47	13 9		n.a.
T 20	16 27	24 2	0s56	16 12	1 34	23 53	1 28	24 30	2 36	7 39	1 36	9 33	1 55	12 31	0 19	6 48	1 59	33 57	10 13	23 50	23 47	13 7		n.a.
W21	16 46	23 1	2 7	15 32	1 53	24 5	1 30	24 29	2 38	7 39	1 35	9 36	1 55	12 30	0 19	6 48	1 59	33 57	10 13	23 50	23 47	13 4		n.a.
T 22	17 4	20 36	3 11	14 53	2 10	24 16	1 31	24 29	2 40	7 39	1 35	9 38	1 55	12 29	0 19	6 47	1 59	33 56	10 13	23 50	23 47	13 2		n.a.
F 23	17 21	16 55	4 4	14 14	2 26	24 27	1 33	24 29	2 43	7 39	1 34	9 41	1 55	12 28	0 19	6 47	1 59	33 56	10 13	23 50	23 47	13 0		n.a.
S 24	17 39	12 14	4 43	13 37	2 40	24 37	1 34	24 29	2 45	7 38	1 34	9 43	1 56	12 27	0 19	6 46	2 0	33 56	10 13	23 50	23 47	12 58		n.a.
S 25	17 56	6 50	5 5	13 4	2 51	24 46	1 35	24 29	2 47	7 38	1 34	9 46	1 56	12 27	0 19	6 46	2 0	33 56	10 12	23 50	23 47	12 56		n.a.
M26	18 13	1 2	5 7	12 35	3 0	24 55	1 36	24 30	2 49	7 38	1 33	9 48	1 56	12 26	0 19	6 45	2 0	33 56	10 12	23 50	23 48	12 53		n.a.
T 27	18 29	4n49	4 50	12 10	3 7	25 3	1 38	24 30	2 52	7 37	1 33	9 50	1 56	12 25	0 19	6 45	2 0	33 55	10 12	23 51	23 48	12 51		n.a.
W28	18 45	10 22	4 15	11 50	3 11	25 10	1 39	24 31	2 54	7 36	1 33	9 53	1 56	12 24	0 19	6 44	2 0	33 55	10 12	23 51	23 48	12 49		n.a.
T 29	19 1	15 18	3 25	11 35	3 14	25 16	1 40	24 31	2 56	7 36	1 32	9 55	1 56	12 23	0 19	6 44	2 0	33 55	10 12	23 51	23 48	12 47		n.a.
F 30	19s16	19n20	2s23	11s25	3n14	25s22	1s41	24n32	2n59	7s35	1s32	9s57	1n56	12n22	0s19	6n44	2n 0	33s55	10s12	23n51	23n48	12n45		n.a.

Julian Day Number = 1112855.5, Delta T = 10h50m30s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'26, Lahiri = -26°56'25 Julian Calendar 1 Nov. 1667 BCE == Greg. Calendar 18 Oct. 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1667 BCE
geocentric

DECEMBER 1667 BCE (-1666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 40 23	25♏37'19	19♊15	7°R47	23♐59	24♋43	14♓37	0♏19	2°R44	17♍52	6♑25	3°R 8	4♋44	8♍46	n.a.	S 1
S 2	3 44 19	26°38'33	2♋21	7♏36	25°13	24°50	14°39	0°26	2♉42	17°53	6°27	3°D 7	4°40	8°53	n.a.	S 2
M 3	3 48 16	27°39'46	15° 5	7°D35	26°28	24°57	14°41	0°32	2°40	17°54	6°28	3♌ 8	4°37	9° 0	n.a.	M 3
T 4	3 52 12	28°40'58	27°31	7°41	27°42	25° 2	14°43	0°39	2°38	17°55	6°29	3° 9	4°34	9° 7	n.a.	T 4
W 5	3 56 9	29°42'10	9♌40	7°56	28°56	25° 8	14°45	0°45	2°35	17°56	6°31	3°11	4°31	9°13	n.a.	W 5
T 6	4 0 5	0♐43'22	21°39	8°17	0♑10	25°12	14°47	0°52	2°33	17°57	6°32	3°13	4°28	9°20	n.a.	T 6
F 7	4 4 2	1°44'33	3♍31	8°45	1°24	25°16	14°50	0°58	2°31	17°58	6°34	3°R13	4°25	9°27	n.a.	F 7
S 8	4 7 59	2°45'43	15°23	9°19	2°38	25°19	14°52	1° 4	2°29	17°59	6°35	3°12	4°21	9°33	n.a.	S 8
S 9	4 11 55	3°46'53	27°18	9°58	3°52	25°21	14°55	1°11	2°27	17°59	6°37	3°10	4°18	9°40	n.a.	S 9
M10	4 15 52	4°48'02	9♎21	10°42	5° 6	25°23	14°58	1°17	2°25	18° 0	6°38	3° 6	4°15	9°47	n.a.	M10
T 11	4 19 48	5°49'10	21°37	11°30	6°20	25°24	15° 2	1°23	2°23	18° 1	6°40	3° 2	4°12	9°53	n.a.	T 11
W12	4 23 45	6°50'17	4♏ 7	12°23	7°33	25°R24	15° 5	1°29	2°21	18° 2	6°41	2°57	4° 9	10° 0	n.a.	W12
T 13	4 27 41	7°51'24	16°53	13°18	8°47	25°23	15° 9	1°35	2°19	18° 3	6°43	2°53	4° 6	10° 7	n.a.	T 13
F 14	4 31 38	8°52'30	29°57	14°17	10° 1	25°22	15°13	1°41	2°17	18° 3	6°44	2°49	4° 2	10°14	n.a.	F 14
S 15	4 35 34	9°53'35	13♐17	15°19	11°15	25°20	15°17	1°48	2°15	18° 4	6°46	2°47	3°59	10°20	n.a.	S 15
S 16	4 39 31	10°54'38	26°52	16°23	12°28	25°17	15°21	1°54	2°13	18° 5	6°47	2°D46	3°56	10°27	n.a.	S 16
M17	4 43 28	11°55'41	10♑39	17°29	13°42	25°13	15°26	1°59	2°11	18° 5	6°49	2°46	3°53	10°34	n.a.	M17
T 18	4 47 24	12°56'42	24°36	18°38	14°56	25° 9	15°30	2° 5	2° 9	18° 6	6°51	2°47	3°50	10°40	n.a.	T 18
W19	4 51 21	13°57'41	8♒40	19°49	16° 9	25° 3	15°35	2°11	2° 8	18° 6	6°52	2°48	3°46	10°47	n.a.	W19
T 20	4 55 17	14°58'39	22°49	21° 2	17°23	24°57	15°40	2°17	2° 6	18° 7	6°54	2°49	3°43	10°54	n.a.	T 20
F 21	4 59 14	15°59'36	7♓ 0	22°16	18°36	24°51	15°45	2°23	2° 4	18° 7	6°55	2°50	3°40	11° 1	n.a.	F 21
S 22	5 3 10	17° 0'30	21°11	23°32	19°50	24°43	15°51	2°28	2° 3	18° 8	6°57	2°R50	3°37	11° 7	n.a.	S 22
S 23	5 7 7	18° 1'23	5♈20	24°49	21° 3	24°34	15°56	2°34	2° 1	18° 8	6°59	2°50	3°34	11°14	n.a.	S 23
M24	5 11 4	19° 2'14	19°25	26° 8	22°16	24°25	16° 2	2°40	1°59	18° 9	7° 0	2°48	3°31	11°21	n.a.	M24
T 25	5 15 0	20° 3'04	3♉23	27°28	23°29	24°15	16° 8	2°45	1°58	18° 9	7° 2	2°47	3°27	11°27	n.a.	T 25
W26	5 18 57	21° 3'52	17°12	28°49	24°43	24° 4	16°14	2°51	1°57	18° 9	7° 4	2°45	3°24	11°34	n.a.	W26
T 27	5 22 53	22° 4'38	0♊50	0♐11	25°56	23°53	16°20	2°56	1°55	18° 9	7° 5	2°44	3°21	11°41	n.a.	T 27
F 28	5 26 50	23° 5'23	14°15	1°35	27° 9	23°41	16°27	3° 1	1°54	18°10	7° 7	2°43	3°18	11°48	n.a.	F 28
S 29	5 30 46	24° 6'06	27°24	2°59	28°22	23°28	16°33	3° 7	1°52	18°10	7° 9	2°D42	3°15	11°54	n.a.	S 29
S 30	5 34 43	25° 6'48	10♋16	4°25	29°34	23°14	16°40	3°12	1°51	18°10	7°10	2°42	3°12	12° 1	n.a.	S 30
M31	5 38 39	26♐ 7'28	22♋53	5♐52	0♒47	22♋59	16♓47	3♏17	1♉50	18♍10	7♑12	2♋43	3♌ 8	12♍ 8	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s31	22n12	1s15	11s19	3n13	25s26	1s41	24n33	3n 1	7s34	1s32	10s 0	1n56	12n22	0s19	6n43	2n 0	33s55	10s12	23n51	23n48	12n42		n.a.
S 2	19 46	23 48	0 4	11 18	3 11	25 30	1 42	24 34	3 3	7 33	1 31	10 2	1 56	12 21	0 19	6 43	2 0	33 54	10 12	23 51	23 48	12 40		n.a.
M 3	20 0	24 5	1n 5	11 21	3 7	25 33	1 43	24 35	3 6	7 32	1 31	10 4	1 56	12 20	0 19	6 42	2 0	33 54	10 11	23 51	23 48	12 38		n.a.
T 4	20 14	23 9	2 9	11 28	3 2	25 36	1 44	24 36	3 8	7 31	1 31	10 7	1 56	12 19	0 19	6 42	2 0	33 54	10 11	23 51	23 48	12 36		n.a.
W 5	20 28	21 9	3 6	11 38	2 56	25 37	1 44	24 38	3 11	7 30	1 30	10 9	1 56	12 19	0 19	6 42	2 0	33 54	10 11	23 51	23 49	12 33		n.a.
T 6	20 41	18 14	3 54	11 51	2 50	25 38	1 45	24 39	3 13	7 29	1 30	10 11	1 56	12 18	0 18	6 41	2 0	33 54	10 11	23 51	23 49	12 31		n.a.
F 7	20 54	14 37	4 32	12 7	2 43	25 38	1 45	24 41	3 16	7 27	1 30	10 13	1 56	12 17	0 18	6 41	2 0	33 54	10 11	23 51	23 49	12 29		n.a.
S 8	21 6	10 26	4 58	12 25	2 35	25 37	1 45	24 43	3 18	7 26	1 29	10 15	1 56	12 16	0 18	6 41	2 0	33 53	10 11	23 51	23 49	12 27		n.a.
S 9	21 18	5 50	5 11	12 45	2 27	25 35	1 46	24 45	3 21	7 24	1 29	10 18	1 56	12 16	0 18	6 41	2 1	33 53	10 11	23 51	23 49	12 24		n.a.
M10	21 30	0 59	5 11	13 7	2 19	25 33	1 46	24 47	3 23	7 23	1 28	10 20	1 56	12 15	0 18	6 40	2 1	33 53	10 11	23 51	23 49	12 22		n.a.
T 11	21 41	4s 0	4 57	13 30	2 11	25 30	1 46	24 49	3 26	7 21	1 28	10 22	1 56	12 14	0 18	6 40	2 1	33 53	10 11	23 51	23 49	12 20		n.a.
W12	21 51	8 56	4 28	13 54	2 2	25 26	1 46	24 52	3 28	7 20	1 28	10 24	1 56	12 14	0 18	6 40	2 1	33 53	10 11	23 51	23 49	12 18		n.a.
T 13	22 2	13 35	3 46	14 20	1 53	25 21	1 46	24 54	3 31	7 18	1 27	10 26	1 56	12 13	0 18	6 40	2 1	33 53	10 11	23 51	23 49	12 15		n.a.
F 14	22 12	17 44	2 51	14 46	1 44	25 16	1 46	24 57	3 33	7 16	1 27	10 28	1 56	12 12	0 18	6 39	2 1	33 52	10 10	23 51	23 50	12 13		n.a.
S 15	22 21	21 5	1 45	15 13	1 35	25 9	1 46	25 0	3 36	7 14	1 27	10 30	1 56	12 12	0 18	6 39	2 1	33 52	10 10	23 52	23 50	12 11		n.a.
S 16	22 30	23 19	0 32	15 40	1 26	25 2	1 45	25 3	3 38	7 12	1 26	10 32	1 56	12 11	0 18	6 39	2 1	33 52	10 10	23 52	23 50	12 8		n.a.
M17	22 39	24 10	0s43	16 8	1 17	24 54	1 45	25 6	3 41	7 10	1 26	10 34	1 56	12 10	0 18	6 39	2 1	33 52	10 10	23 52	23 50	12 6		n.a.
T 18	22 47	23 32	1 58	16 36	1 8	24 46	1 44	25 10	3 43	7 8	1 26	10 36	1 57	12 10	0 18	6 39	2 1	33 52	10 10	23 52	23 50	12 4		n.a.
W19	22 54	21 24	3 5	17 4	1 0	24 37	1 44	25 13	3 46	7 6	1 25	10 38	1 57	12 9	0 18	6 38	2 1	33 52	10 10	23 51	23 50	12 2		n.a.
T 20	23 1	17 58	4 2	17 32	0 51	24 27	1 43	25 17	3 48	7 3	1 25	10 40	1 57	12 9	0 18	6 38	2 1	33 51	10 10	23 51	23 50	11 59		n.a.
F 21	23 8	13 29	4 44	18 0	0 42	24 16	1 43	25 20	3 51	7 1	1 25	10 42	1 57	12 8	0 18	6 38	2 1	33 51	10 10	23 51	23 50	11 57		n.a.
S 22	23 14	8 17	5 9	18 28	0 34	24 4	1 42	25 24	3 53	6 58	1 24	10 44	1 57	12 7	0 18	6 38	2 1	33 51	10 10	23 51	23 50	11 55		n.a.
S 23	23 20	2 40	5 16	18 55	0 25	23 52	1 41	25 28	3 56	6 56	1 24	10 46	1 57	12 7	0 18	6 38	2 2	33 51	10 10	23 51	23 50	11 52		n.a.
M24	23 26	3n 4	5 3	19 23	0 17	23 39	1 40	25 32	3 58	6 53	1 24	10 48	1 57	12 6	0 18	6 38	2 2	33 51	10 10	23 51	23 50	11 50		n.a.
T 25	23 30	8 37	4 32	19 49	0 9	23 26	1 39	25 37	4 1	6 51	1 23	10 50	1 57	12 6	0 18	6 38	2 2	33 51	10 10	23 52	23 51	11 48		n.a.
W26	23 35	13 41	3 46	20 16	0 1	23 11	1 38	25 41	4 3	6 48	1 23	10 51	1 57	12 5	0 18	6 38	2 2	33 51	10 10	23 52	23 51	11 45		n.a.
T 27	23 39	17 59	2 47	20 41	0s 7	22 56	1 37	25 45	4 5	6 45	1 23	10 53	1 57	12 5	0 18	6 38	2 2	33 51	10 10	23 52	23 51	11 43		n.a.
F 28	23 42	21 16	1 41	21 6	0 15	22 41	1 35	25 50	4 8	6 43	1 22	10 55	1 57	12 4	0 18	6 38	2 2	33 50	10 10	23 52	23 51	11 41		n.a.
S 29	23 45	23 22	0 29	21 31	0 22	22 25	1 34	25 54	4 10	6 40	1 22	10 57	1 57	12 4	0 18	6 38	2 2	33 50	10 10	23 52	23 51	11 38		n.a.
S 30	23 48	24 11	0n42	21 55	0 30	22 8	1 33	25 59	4 12	6 37	1 22	10 58	1 58	12 4	0 18	6 38	2 2	33 50	10 10	23 52	23 51	11 36		n.a.
M31	23s50	23n42	1n50	22s17	0s37	21s50	1s31	26n 4	4n14	6s34	1s22	11s 0	1n58	12n 3	0s18	6n38	2n 2	33s50	10s10	23n52	23n51	11n34		n.a.

Julian Day Number = 1112885.5, Delta T = 10h50m28s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'22, Lahiri = -26°56'21 Julian Calendar 1 Dec. 1667 BCE == Greg. Calendar 17 Nov. 1667 BCE

The year -1666 astronomical counting style corresponds to year 1667 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

JANUARY 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 42 36	27♐ 8'06	5♌15	7♐19	2♒ 0	22°R44	16♓54	3♏22	1°R49	18♍10	7♉14	2♋43	3♋ 5	12♍14	n.a.	T 1
W 2	5 46 33	28° 8'43	17°25	8°48	3°13	22♋28	17° 1	3°27	1♉48	18°10	7°15	2°44	3° 2	12°21	n.a.	W 2
T 3	5 50 29	29° 9'18	29°25	10°17	4°25	22°11	17° 8	3°32	1°47	18°R10	7°17	2°44	2°59	12°28	n.a.	T 3
F 4	5 54 26	0♉ 9'52	11♍18	11°48	5°38	21°54	17°16	3°37	1°46	18°10	7°19	2°45	2°56	12°35	n.a.	F 4
S 5	5 58 22	1°10'25	23°11	13°19	6°50	21°36	17°23	3°42	1°45	18°10	7°21	2°45	2°52	12°41	n.a.	S 5
S 6	6 2 19	2°10'56	5♎ 6	14°51	8° 3	21°17	17°31	3°46	1°44	18°10	7°22	2°45	2°49	12°48	n.a.	S 6
M 7	6 6 15	3°11'25	17° 8	16°24	9°15	20°58	17°39	3°51	1°43	18°10	7°24	2°45	2°46	12°55	n.a.	M 7
T 8	6 10 12	4°11'53	29°23	17°58	10°27	20°38	17°47	3°56	1°42	18°10	7°26	2°45	2°43	13° 1	n.a.	T 8
W 9	6 14 8	5°12'19	11♏54	19°34	11°40	20°18	17°55	4° 0	1°41	18°10	7°27	2°45	2°40	13° 8	n.a.	W 9
T 10	6 18 5	6°12'44	24°45	21°10	12°52	19°57	18° 4	4° 5	1°40	18°10	7°29	2°45	2°37	13°15	n.a.	T 10
F 11	6 22 2	7°13'07	7♐58	22°47	14° 4	19°36	18°12	4° 9	1°40	18° 9	7°31	2°46	2°33	13°22	n.a.	F 11
S 12	6 25 58	8°13'28	21°32	24°24	15°16	19°14	18°21	4°13	1°39	18° 9	7°33	2°46	2°30	13°28	n.a.	S 12
S 13	6 29 55	9°13'48	5♉28	26° 3	16°27	18°52	18°30	4°18	1°39	18° 9	7°34	2°R46	2°27	13°35	n.a.	S 13
M14	6 33 51	10°14'06	19°41	27°43	17°39	18°30	18°38	4°22	1°38	18° 8	7°36	2°46	2°24	13°42	n.a.	M14
T 15	6 37 48	11°14'21	4♒ 7	29°24	18°51	18° 7	18°47	4°26	1°38	18° 8	7°38	2°45	2°21	13°49	n.a.	T 15
W16	6 41 44	12°14'35	18°41	1♉ 6	20° 2	17°44	18°57	4°30	1°37	18° 8	7°40	2°44	2°18	13°55	n.a.	W16
T 17	6 45 41	13°14'46	3♓16	2°49	21°14	17°21	19° 6	4°34	1°37	18° 7	7°41	2°43	2°14	14° 2	n.a.	T 17
F 18	6 49 37	14°14'55	17°46	4°33	22°25	16°57	19°15	4°37	1°37	18° 7	7°43	2°42	2°11	14° 9	n.a.	F 18
S 19	6 53 34	15°15'01	2♈ 7	6°17	23°36	16°34	19°25	4°41	1°36	18° 6	7°45	2°41	2° 8	14°15	n.a.	S 19
S 20	6 57 31	16°15'06	16°16	8° 3	24°48	16°10	19°34	4°45	1°36	18° 6	7°46	2°D41	2° 5	14°22	n.a.	S 20
M21	7 1 27	17°15'07	0♉11	9°51	25°59	15°47	19°44	4°48	1°36	18° 5	7°48	2°41	2° 2	14°29	n.a.	M21
T 22	7 5 24	18°15'07	13°52	11°39	27°10	15°23	19°54	4°52	1°36	18° 5	7°50	2°42	1°58	14°36	n.a.	T 22
W23	7 9 20	19°15'04	27°17	13°28	28°20	14°59	20° 4	4°55	1°D36	18° 4	7°52	2°43	1°55	14°42	n.a.	W23
T 24	7 13 17	20°14'59	10♊29	15°18	29°31	14°36	20°14	4°59	1°36	18° 3	7°53	2°45	1°52	14°49	n.a.	T 24
F 25	7 17 13	21°14'52	23°28	17°10	0♓42	14°12	20°24	5° 2	1°36	18° 3	7°55	2°46	1°49	14°56	n.a.	F 25
S 26	7 21 10	22°14'42	6♋14	19° 2	1°52	13°49	20°35	5° 5	1°36	18° 2	7°57	2°R46	1°46	15° 2	n.a.	S 26
S 27	7 25 6	23°14'30	18°49	20°55	3° 3	13°26	20°45	5° 8	1°36	18° 1	7°58	2°45	1°43	15° 9	n.a.	S 27
M28	7 29 3	24°14'16	1♌12	22°50	4°13	13° 4	20°56	5°11	1°37	18° 0	8° 0	2°43	1°39	15°16	n.a.	M28
T 29	7 33 0	25°14'00	13°26	24°46	5°23	12°41	21° 6	5°14	1°37	18° 0	8° 2	2°40	1°36	15°23	n.a.	T 29
W30	7 36 56	26°13'42	25°30	26°42	6°33	12°19	21°17	5°17	1°37	17°59	8° 3	2°36	1°33	15°29	n.a.	W30
T 31	7 40 53	27♉13'22	7♍28	28♉39	7♓43	11♋58	21♓28	5♏20	1♉38	17♍58	8♉ 5	2♋32	1♋30	15♍36	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23s51	22n 4	2n51	22s39	0s44	21s32	1s29	26n 9	4n16	6s31	1s21	11s 2	1n58	12n 3	0s18	6n38	2n 2	33s50	10s10	23n52	23n51	11n31		n.a.	T 1
W 2	23 52	19 26	3 43	23 0	0 50	21 13	1 28	26 13	4 19	6 27	1 21	11 3	1 58	12 2	0 18	6 38	2 2	33 50	10 10	23 52	23 51	11 29		n.a.	W 2
T 3	23 53	16 1	4 25	23 21	0 57	20 54	1 26	26 18	4 21	6 24	1 21	11 5	1 58	12 2	0 18	6 38	2 2	33 50	10 10	23 52	23 51	11 27		n.a.	T 3
F 4	23 53	12 0	4 55	23 40	1 3	20 34	1 24	26 23	4 23	6 21	1 20	11 6	1 58	12 2	0 18	6 38	2 2	33 50	10 10	23 52	23 51	11 24		n.a.	F 4
S 5	23 53	7 32	5 13	23 58	1 9	20 14	1 22	26 28	4 24	6 18	1 20	11 8	1 58	12 1	0 18	6 38	2 2	33 50	10 10	23 52	23 51	11 22		n.a.	S 5
S 6	23 52	2 46	5 17	24 14	1 14	19 53	1 20	26 33	4 26	6 14	1 20	11 9	1 58	12 1	0 18	6 38	2 3	33 50	10 10	23 52	23 51	11 20		n.a.	S 6
M 7	23 51	2s 8	5 7	24 30	1 20	19 32	1 18	26 38	4 28	6 11	1 19	11 11	1 58	12 1	0 18	6 38	2 3	33 49	10 10	23 52	23 52	11 17		n.a.	M 7
T 8	23 49	7 3	4 44	24 44	1 25	19 10	1 16	26 42	4 30	6 8	1 19	11 12	1 59	12 1	0 18	6 38	2 3	33 49	10 10	23 52	23 52	11 15		n.a.	T 8
W 9	23 47	11 47	4 6	24 57	1 30	18 47	1 14	26 47	4 31	6 4	1 19	11 14	1 59	12 0	0 18	6 38	2 3	33 49	10 10	23 52	23 52	11 12		n.a.	W 9
T 10	23 44	16 9	3 16	25 9	1 34	18 24	1 11	26 52	4 33	6 0	1 19	11 15	1 59	12 0	0 18	6 39	2 3	33 49	10 10	23 52	23 52	11 10		n.a.	T 10
F 11	23 41	19 51	2 13	25 19	1 38	18 1	1 9	26 57	4 34	5 57	1 18	11 17	1 59	12 0	0 18	6 39	2 3	33 49	10 10	23 52	23 52	11 8		n.a.	F 11
S 12	23 38	22 35	1 2	25 28	1 42	17 37	1 6	27 1	4 35	5 53	1 18	11 18	1 59	12 0	0 18	6 39	2 3	33 49	10 10	23 52	23 52	11 5		n.a.	S 12
S 13	23 34	24 1	0s15	25 35	1 46	17 13	1 4	27 6	4 37	5 49	1 18	11 19	1 59	11 59	0 18	6 39	2 3	33 49	10 10	23 52	23 52	11 3		n.a.	S 13
M14	23 29	23 56	1 32	25 41	1 49	16 48	1 1	27 10	4 38	5 46	1 17	11 21	1 59	11 59	0 18	6 39	2 3	33 49	10 10	23 52	23 52	11 1		n.a.	M14
T 15	23 24	22 15	2 45	25 45	1 52	16 23	0 58	27 14	4 39	5 42	1 17	11 22	1 59	11 59	0 18	6 40	2 3	33 49	10 10	23 52	23 52	10 58		n.a.	T 15
W16	23 19	19 6	3 48	25 47	1 54	15 57	0 56	27 18	4 40	5 38	1 17	11 23	2 0	11 59	0 18	6 40	2 3	33 49	10 10	23 52	23 52	10 56		n.a.	W16
T 17	23 13	14 46	4 36	25 48	1 56	15 31	0 53	27 22	4 40	5 34	1 17	11 24	2 0	11 59	0 18	6 40	2 3	33 49	10 10	23 52	23 52	10 53		n.a.	T 17
F 18	23 7	9 36	5 6	25 47	1 58	15 5	0 50	27 26	4 41	5 30	1 16	11 26	2 0	11 59	0 18	6 40	2 3	33 49	10 11	23 52	23 52	10 51		n.a.	F 18
S 19	23 0	3 58	5 16	25 43	1 59	14 38	0 47	27 30	4 42	5 26	1 16	11 27	2 0	11 59	0 18	6 41	2 3	33 49	10 11	23 52	23 52	10 49		n.a.	S 19
S 20	22 53	1n48	5 8	25 38	2 0	14 11	0 44	27 33	4 42	5 22	1 16	11 28	2 0	11 59	0 17	6 41	2 4	33 49	10 11	23 52	23 52	10 46		n.a.	S 20
M21	22 45	7 22	4 41	25 31	2 1	13 44	0 41	27 36	4 42	5 18	1 16	11 29	2 0	11 59	0 17	6 41	2 4	33 49	10 11	23 52	23 52	10 44		n.a.	M21
T 22	22 37	12 30	3 58	25 22	2 1	13 16	0 37	27 40	4 43	5 13	1 15	11 30	2 0	11 59	0 17	6 41	2 4	33 49	10 11	23 52	23 52	10 41		n.a.	T 22
W23	22 29	16 57	3 4	25 11	2 0	12 48	0 34	27 43	4 43	5 9	1 15	11 31	2 0	11 59	0 17	6 42	2 4	33 49	10 11	23 52	23 52	10 39		n.a.	W23
T 24	22 20	20 28	2 0	24 58	1 59	12 20	0 31	27 45	4 43	5 5	1 15	11 32	2 1	11 59	0 17	6 42	2 4	33 49	10 11	23 52	23 53	10 37		n.a.	T 24
F 25	22 10	22 52	0 51	24 42	1 58	11 51	0 27	27 48	4 43	5 1	1 15	11 33	2 1	11 59	0 17	6 42	2 4	33 49	10 11	23 52	23 53	10 34		n.a.	F 25
S 26	22 1	24 3	0n19	24 25	1 56	11 23	0 24	27 50	4 42	4 56	1 14	11 34	2 1	11 59	0 17	6 43	2 4	33 49	10 11	23 52	23 53	10 32		n.a.	S 26
S 27	21 51	23 59	1 27	24 5	1 53	10 54	0 20	27 52	4 42	4 52	1 14	11 35	2 1	11 59	0 17	6 43	2 4	33 49	10 11	23 52	23 53	10 29		n.a.	S 27
M28	21 40	22 42	2 30	23 43	1 50	10 24	0 17	27 54	4 42	4 47	1 14	11 36	2 1	11 59	0 17	6 43	2 4	33 49	10 12	23 52	23 53	10 27		n.a.	M28
T 29	21 29	20 22	3 25	23 19	1 46	9 55	0 13	27 56	4 41	4 43	1 14	11 37	2 1	11 59	0 17	6 44	2 4	33 49	10 12	23 52	23 53	10 24		n.a.	T 29
W30	21 18	17 10	4 10	22 52	1 42	9 25	0 9	27 57	4 40	4 38	1 13	11 37	2 1	11 59	0 17	6 44	2 4	33 49	10 12	23 52	23 53	10 22		n.a.	W30
T 31	21s 6	13n18	4n44	22s24	1s37	8s55	0s 6	27n59	4n40	4s34	1s13	11s38	2n 2	11n59	0s17	6n45	2n 4	33s49	10s12	23n52	23n53	10n19		n.a.	T 31

Julian Day Number = 1112916.5, Delta T = 10h50m26s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'17, Lahiri = -26°56'17 Julian Calendar 1 Jan. 1666 BCE == Greg. Calendar 18 Dec. 1667 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

FEBRUARY 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 44 49	28♉12'59	19♍22	0♒37	8♓52	11°R36	21♓39	5♏22	1♉38	17°R57	8♉ 7	2°R28	1♋27	15♍43	n.a.	F 1
S 2	7 48 46	29°12'35	1♎14	2°36	10° 2	11♋16	21°50	5°25	1°38	17♍56	8° 8	2♋24	1°24	15°49	n.a.	S 2
S 3	7 52 42	0♒12'09	13° 8	4°36	11°11	10°55	22° 1	5°27	1°39	17°55	8°10	2°22	1°20	15°56	n.a.	S 3
M 4	7 56 39	1°11'41	25° 9	6°35	12°20	10°36	22°12	5°30	1°40	17°54	8°11	2°20	1°17	16° 3	n.a.	M 4
T 5	8 0 35	2°11'10	7♏21	8°35	13°29	10°16	22°23	5°32	1°40	17°53	8°13	2°D20	1°14	16°10	n.a.	T 5
W 6	8 4 32	3°10'38	19°48	10°35	14°38	9°58	22°35	5°34	1°41	17°52	8°15	2°21	1°11	16°16	n.a.	W 6
T 7	8 8 28	4°10'05	2♐36	12°35	15°47	9°40	22°46	5°36	1°42	17°51	8°16	2°23	1° 8	16°23	n.a.	T 7
F 8	8 12 25	5° 9'29	15°48	14°34	16°56	9°22	22°58	5°38	1°43	17°50	8°18	2°24	1° 4	16°30	n.a.	F 8
S 9	8 16 22	6° 8'51	29°26	16°32	18° 4	9° 6	23° 9	5°40	1°43	17°49	8°19	2°R25	1° 1	16°36	n.a.	S 9
S 10	8 20 18	7° 8'11	13♑30	18°29	19°13	8°50	23°21	5°42	1°44	17°48	8°21	2°25	0°58	16°43	n.a.	S 10
M11	8 24 15	8° 7'29	27°58	20°25	20°21	8°34	23°33	5°43	1°45	17°47	8°22	2°23	0°55	16°50	n.a.	M11
T 12	8 28 11	9° 6'45	12♒46	22°18	21°29	8°20	23°45	5°45	1°46	17°46	8°24	2°19	0°52	16°57	n.a.	T 12
W13	8 32 8	10° 5'59	27°45	24° 9	22°37	8° 6	23°57	5°47	1°47	17°44	8°26	2°14	0°49	17° 3	n.a.	W13
T 14	8 36 4	11° 5'10	12♓47	25°57	23°44	7°53	24° 9	5°48	1°49	17°43	8°27	2° 8	0°45	17°10	n.a.	T 14
F 15	8 40 1	12° 4'19	27°41	27°42	24°52	7°41	24°21	5°49	1°50	17°42	8°29	2° 2	0°42	17°17	n.a.	F 15
S 16	8 43 57	13° 3'26	12♈22	29°24	25°59	7°29	24°33	5°50	1°51	17°41	8°30	1°57	0°39	17°24	n.a.	S 16
S 17	8 47 54	14° 2'30	26°42	1♓ 1	27° 6	7°18	24°45	5°52	1°52	17°39	8°31	1°54	0°36	17°30	n.a.	S 17
M18	8 51 50	15° 1'31	10♉40	2°34	28°13	7° 8	24°58	5°53	1°54	17°38	8°33	1°D53	0°33	17°37	n.a.	M18
T 19	8 55 47	16° 0'30	24°16	4° 2	29°20	6°59	25°10	5°53	1°55	17°37	8°34	1°53	0°30	17°44	n.a.	T 19
W20	8 59 44	16°59'27	7♊30	5°25	0♈26	6°51	25°22	5°54	1°56	17°35	8°36	1°54	0°26	17°50	n.a.	W20
T 21	9 3 40	17°58'21	20°27	6°42	1°32	6°43	25°35	5°55	1°58	17°34	8°37	1°56	0°23	17°57	n.a.	T 21
F 22	9 7 37	18°57'13	3♋ 7	7°54	2°38	6°37	25°47	5°56	1°59	17°33	8°39	1°R56	0°20	18° 4	n.a.	F 22
S 23	9 11 33	19°56'02	15°35	9° 0	3°44	6°31	26° 0	5°56	2° 1	17°31	8°40	1°55	0°17	18°11	n.a.	S 23
S 24	9 15 30	20°54'49	27°53	10° 0	4°49	6°25	26°13	5°57	2° 2	17°30	8°41	1°52	0°14	18°17	n.a.	S 24
M25	9 19 26	21°53'34	10♌ 3	10°54	5°55	6°21	26°26	5°57	2° 4	17°29	8°43	1°46	0°10	18°24	n.a.	M25
T 26	9 23 23	22°52'17	22° 6	11°42	7° 0	6°17	26°38	5°57	2° 6	17°27	8°44	1°39	0° 7	18°31	n.a.	T 26
W27	9 27 19	23°50'57	4♍ 5	12°23	8° 4	6°15	26°51	5°57	2° 8	17°26	8°45	1°29	0° 4	18°37	n.a.	W27
T 28	9 31 16	24♒49'36	15♍59	12♓58	9♈ 9	6♋13	27♓ 4	5°R57	2♉ 9	17♍24	8♉47	1♋19	0♋ 1	18♍44	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20s54	8n57	5n 5	21s53	1s31	8s25	0s 2	28n 0	4n39	4s29	1s13	11s39	2n 2	12n 0	0s17	6n45	2n 4	33s49	10s12	23n52	23n53	10n17		n.a.
S 2	20 42	4 16	5 13	21 20	1 25	7 55	0n 2	28 1	4 38	4 25	1 13	11 40	2 2	12 0	0 17	6 45	2 4	33 49	10 12	23 52	23 53	10 15		n.a.
S 3	20 29	0s34	5 8	20 44	1 18	7 25	0 6	28 2	4 37	4 20	1 13	11 40	2 2	12 0	0 17	6 46	2 4	33 49	10 12	23 52	23 53	10 12		n.a.
M 4	20 16	5 26	4 49	20 7	1 11	6 54	0 10	28 2	4 36	4 15	1 12	11 41	2 2	12 0	0 17	6 46	2 4	33 49	10 12	23 52	23 53	10 10		n.a.
T 5	20 3	10 11	4 17	19 28	1 3	6 24	0 14	28 3	4 34	4 10	1 12	11 42	2 2	12 1	0 17	6 47	2 5	33 49	10 13	23 52	23 53	10 7		n.a.
W 6	19 49	14 37	3 32	18 47	0 54	5 53	0 18	28 3	4 33	4 6	1 12	11 42	2 3	12 1	0 17	6 47	2 5	33 49	10 13	23 52	23 53	10 5		n.a.
T 7	19 35	18 32	2 36	18 4	0 45	5 22	0 22	28 3	4 32	4 1	1 12	11 43	2 3	12 1	0 17	6 48	2 5	33 49	10 13	23 52	23 53	10 2		n.a.
F 8	19 20	21 38	1 30	17 20	0 35	4 51	0 26	28 3	4 30	3 56	1 11	11 43	2 3	12 1	0 17	6 48	2 5	33 49	10 13	23 52	23 53	10 0		n.a.
S 9	19 5	23 37	0 16	16 34	0 25	4 20	0 31	28 2	4 29	3 51	1 11	11 44	2 3	12 2	0 17	6 49	2 5	33 49	10 13	23 52	23 53	9 57		n.a.
S 10	18 50	24 11	1s 0	15 47	0 14	3 49	0 35	28 2	4 27	3 46	1 11	11 44	2 3	12 2	0 17	6 49	2 5	33 49	10 13	23 52	23 53	9 55		n.a.
M11	18 35	23 9	2 15	15 0	0 3	3 18	0 39	28 1	4 25	3 41	1 11	11 45	2 3	12 2	0 17	6 50	2 5	33 49	10 14	23 52	23 53	9 52		n.a.
T 12	18 19	20 31	3 22	14 12	0n 9	2 47	0 43	28 0	4 24	3 36	1 11	11 45	2 3	12 3	0 17	6 50	2 5	33 49	10 14	23 52	23 53	9 50		n.a.
W13	18 3	16 28	4 16	13 23	0 21	2 16	0 48	27 59	4 22	3 31	1 10	11 45	2 4	12 3	0 17	6 51	2 5	33 50	10 14	23 52	23 53	9 47		n.a.
T 14	17 46	11 22	4 52	12 35	0 34	1 44	0 52	27 58	4 20	3 26	1 10	11 46	2 4	12 4	0 17	6 51	2 5	33 50	10 14	23 52	23 53	9 45		n.a.
F 15	17 30	5 38	5 9	11 46	0 46	1 13	0 56	27 57	4 18	3 21	1 10	11 46	2 4	12 4	0 17	6 52	2 5	33 50	10 14	23 52	23 53	9 42		n.a.
S 16	17 13	0n19	5 5	10 59	0 59	0 42	1 1	27 56	4 16	3 16	1 10	11 46	2 4	12 5	0 17	6 52	2 5	33 50	10 15	23 52	23 53	9 40		n.a.
S 17	16 55	6 7	4 41	10 12	1 12	0 11	1 5	27 55	4 14	3 11	1 10	11 46	2 4	12 5	0 17	6 53	2 5	33 50	10 15	23 52	23 53	9 37		n.a.
M18	16 38	11 29	4 2	9 27	1 25	0n20	1 10	27 53	4 12	3 6	1 9	11 47	2 4	12 6	0 17	6 53	2 5	33 50	10 15	23 53	23 53	9 35		n.a.
T 19	16 20	16 8	3 10	8 43	1 37	0 51	1 14	27 52	4 10	3 1	1 9	11 47	2 5	12 6	0 17	6 54	2 5	33 50	10 15	23 53	23 53	9 32		n.a.
W20	16 2	19 52	2 8	8 0	1 49	1 22	1 18	27 50	4 8	2 56	1 9	11 47	2 5	12 7	0 17	6 54	2 5	33 50	10 15	23 52	23 53	9 30		n.a.
T 21	15 44	22 31	1 2	7 20	2 1	1 53	1 23	27 48	4 6	2 50	1 9	11 47	2 5	12 7	0 17	6 55	2 5	33 50	10 16	23 52	23 53	9 27		n.a.
F 22	15 25	23 57	0n 6	6 43	2 13	2 24	1 27	27 46	4 4	2 45	1 9	11 47	2 5	12 8	0 17	6 56	2 5	33 50	10 16	23 52	23 53	9 25		n.a.
S 23	15 7	24 10	1 13	6 7	2 24	2 55	1 32	27 45	4 1	2 40	1 9	11 47	2 5	12 8	0 17	6 56	2 5	33 51	10 16	23 52	23 53	9 22		n.a.
S 24	14 48	23 11	2 15	5 35	2 35	3 25	1 36	27 43	3 59	2 35	1 8	11 47	2 5	12 9	0 17	6 57	2 5	33 51	10 16	23 53	23 53	9 20		n.a.
M25	14 28	21 6	3 10	5 5	2 44	3 56	1 41	27 41	3 57	2 29	1 8	11 47	2 5	12 9	0 17	6 57	2 5	33 51	10 16	23 53	23 53	9 17		n.a.
T 26	14 9	18 7	3 56	4 39	2 53	4 26	1 45	27 39	3 55	2 24	1 8	11 47	2 6	12 10	0 17	6 58	2 5	33 51	10 17	23 53	23 53	9 15		n.a.
W27	13 49	14 23	4 31	4 15	3 1	4 56	1 50	27 37	3 52	2 19	1 8	11 47	2 6	12 11	0 17	6 59	2 6	33 51	10 17	23 53	23 53	9 12		n.a.
T 28	13s29	10n 8	4n54	3s55	3n 9	5n26	1n54	27n34	3n50	2s13	1s 8	11s47	2n 6	12n11	0s17	6n59	2n 6	33s51	10s17	23n53	23n53	9n10		n.a.

Julian Day Number = 1112947.5, Delta T = 10h50m24s
Ecliptic obliquity = 23°53'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'13, Lahiri = -26°56'13 Julian Calendar 1 Feb. 1666 BCE == Greg. Calendar 18 Jan. 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

MARCH 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 35 13	25♒48'12	27♍52	13♓26	10♈13	6°R11	27♓17	5°R57	2♉11	17°R23	8♑48	1°R 9	29♊58	18♍51	n.a.	F 1
S 2	9 39 9	26°46'46	9♎44	13°47	11°17	6°D11	27°30	5♏57	2°13	17♍21	8°49	0♋59	29°55	18°58	n.a.	S 2
S 3	9 43 6	27°45'18	21°39	14° 2	12°21	6♋11	27°43	5°57	2°15	17°20	8°50	0°52	29°51	19° 4	n.a.	S 3
M 4	9 47 2	28°43'49	3♏40	14°11	13°24	6°12	27°56	5°56	2°17	17°18	8°52	0°46	29°48	19°11	n.a.	M 4
T 5	9 50 59	29°42'18	15°50	14°R13	14°27	6°13	28° 9	5°56	2°19	17°17	8°53	0°43	29°45	19°18	n.a.	T 5
W 6	9 54 55	0♓40'45	28°14	14° 9	15°30	6°16	28°23	5°55	2°21	17°15	8°54	0°D42	29°42	19°25	n.a.	W 6
T 7	9 58 52	1°39'10	10♐57	14° 0	16°33	6°19	28°36	5°55	2°23	17°14	8°55	0°42	29°39	19°31	n.a.	T 7
F 8	10 2 48	2°37'34	24° 3	13°45	17°35	6°23	28°49	5°54	2°25	17°12	8°56	0°R43	29°35	19°38	n.a.	F 8
S 9	10 6 45	3°35'56	7♑35	13°24	18°37	6°27	29° 3	5°53	2°27	17°10	8°57	0°43	29°32	19°45	n.a.	S 9
S 10	10 10 41	4°34'16	21°37	12°59	19°38	6°32	29°16	5°52	2°30	17° 9	8°58	0°41	29°29	19°51	n.a.	S 10
M11	10 14 38	5°32'34	6♒ 6	12°30	20°39	6°38	29°29	5°51	2°32	17° 7	8°59	0°37	29°26	19°58	n.a.	M11
T 12	10 18 35	6°30'51	21° 0	11°57	21°40	6°45	29°43	5°50	2°34	17° 6	9° 1	0°31	29°23	20° 5	n.a.	T 12
W13	10 22 31	7°29'05	6♓11	11°22	22°40	6°52	29°56	5°49	2°37	17° 4	9° 2	0°22	29°20	20°12	n.a.	W13
T 14	10 26 28	8°27'18	21°28	10°44	23°41	7° 0	0♈10	5°48	2°39	17° 3	9° 3	0°12	29°16	20°18	n.a.	T 14
F 15	10 30 24	9°25'29	6♈41	10° 4	24°40	7° 8	0°23	5°46	2°41	17° 1	9° 4	0° 2	29°13	20°25	n.a.	F 15
S 16	10 34 21	10°23'37	21°39	9°24	25°40	7°17	0°37	5°45	2°44	16°59	9° 5	29♊54	29°10	20°32	n.a.	S 16
S 17	10 38 17	11°21'44	6♉15	8°43	26°38	7°27	0°51	5°43	2°46	16°58	9° 6	29°47	29° 7	20°38	n.a.	S 17
M18	10 42 14	12°19'49	20°23	8° 4	27°37	7°38	1° 4	5°42	2°49	16°56	9° 6	29°43	29° 4	20°45	n.a.	M18
T 19	10 46 10	13°17'51	4♊ 4	7°25	28°35	7°48	1°18	5°40	2°51	16°54	9° 7	29°42	29° 1	20°52	n.a.	T 19
W20	10 50 7	14°15'52	17°18	6°49	29°32	8° 0	1°32	5°38	2°54	16°53	9° 8	29°D41	28°57	20°59	n.a.	W20
T 21	10 54 3	15°13'50	0♋ 9	6°15	0♉29	8°12	1°45	5°36	2°57	16°51	9° 9	29°R41	28°54	21° 5	n.a.	T 21
F 22	10 58 0	16°11'46	12°42	5°44	1°26	8°25	1°59	5°34	2°59	16°50	9°10	29°41	28°51	21°12	n.a.	F 22
S 23	11 1 57	17° 9'41	25° 0	5°17	2°22	8°38	2°13	5°32	3° 2	16°48	9°11	29°39	28°48	21°19	n.a.	S 23
S 24	11 5 53	18° 7'33	7♌ 8	4°53	3°18	8°52	2°27	5°30	3° 5	16°46	9°12	29°34	28°45	21°26	n.a.	S 24
M25	11 9 50	19° 5'23	19° 8	4°34	4°13	9° 6	2°41	5°27	3° 8	16°45	9°12	29°26	28°41	21°32	n.a.	M25
T 26	11 13 46	20° 3'12	1♍ 4	4°19	5° 7	9°20	2°54	5°25	3°10	16°43	9°13	29°15	28°38	21°39	n.a.	T 26
W27	11 17 43	21° 0'59	12°57	4° 8	6° 1	9°36	3° 8	5°23	3°13	16°41	9°14	29° 3	28°35	21°46	n.a.	W27
T 28	11 21 39	21°58'44	24°50	4° 2	6°54	9°51	3°22	5°20	3°16	16°40	9°15	28°49	28°32	21°52	n.a.	T 28
F 29	11 25 36	22°56'28	6♎43	4°D 1	7°47	10° 8	3°36	5°18	3°19	16°38	9°15	28°35	28°29	21°59	n.a.	F 29
S 30	11 29 32	23°54'10	18°38	4° 5	8°39	10°24	3°50	5°15	3°22	16°37	9°16	28°22	28°26	22° 6	n.a.	S 30
S 31	11 33 29	24♓51'50	0♏37	4♓13	9♉30	10♋41	4♈ 4	5♏12	3♉25	16♍35	9♑17	28♊12	28♊22	22♍13	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s 9	5n30	5n 4	3s39	3n15	5n56	1n59	27n32	3n48	2s 8	1s 8	11s47	2n 6	12n12	0s17	7n 0	2n 6	33s51	10s17	23n53	23n53	9n 7		n.a.
S 2	12 49	0 41	5 1	3 26	3 20	6 26	2 3	27 30	3 46	2 2	1 7	11 46	2 6	12 13	0 17	7 0	2 6	33 51	10 18	23 53	23 53	9 5		n.a.
S 3	12 29	4s12	4 45	3 16	3 24	6 55	2 8	27 28	3 43	1 57	1 7	11 46	2 6	12 13	0 16	7 1	2 6	33 52	10 18	23 53	23 53	9 2		n.a.
M 4	12 8	8 57	4 17	3 11	3 26	7 25	2 12	27 25	3 41	1 52	1 7	11 46	2 6	12 14	0 16	7 2	2 6	33 52	10 18	23 53	23 53	9 0		n.a.
T 5	11 47	13 27	3 36	3 9	3 27	7 54	2 17	27 23	3 39	1 46	1 7	11 46	2 7	12 15	0 16	7 2	2 6	33 52	10 18	23 53	23 53	8 57		n.a.
W 6	11 26	17 28	2 44	3 10	3 27	8 22	2 21	27 20	3 36	1 41	1 7	11 45	2 7	12 16	0 16	7 3	2 6	33 52	10 19	23 53	23 53	8 54		n.a.
T 7	11 5	20 48	1 44	3 15	3 26	8 51	2 25	27 18	3 34	1 35	1 7	11 45	2 7	12 16	0 16	7 4	2 6	33 52	10 19	23 53	23 53	8 52		n.a.
F 8	10 44	23 10	0 36	3 24	3 23	9 19	2 30	27 16	3 32	1 30	1 7	11 45	2 7	12 17	0 16	7 4	2 6	33 52	10 19	23 53	23 53	8 49		n.a.
S 9	10 22	24 17	0s37	3 36	3 18	9 48	2 34	27 13	3 30	1 24	1 6	11 44	2 7	12 18	0 16	7 5	2 6	33 53	10 19	23 53	23 53	8 47		n.a.
S 10	10 1	23 55	1 49	3 51	3 12	10 15	2 38	27 10	3 27	1 18	1 6	11 44	2 7	12 19	0 16	7 6	2 6	33 53	10 20	23 53	23 53	8 44		n.a.
M11	9 39	21 57	2 57	4 9	3 5	10 43	2 43	27 8	3 25	1 13	1 6	11 43	2 7	12 19	0 16	7 6	2 6	33 53	10 20	23 53	23 53	8 42		n.a.
T 12	9 17	18 27	3 54	4 30	2 56	11 10	2 47	27 5	3 23	1 7	1 6	11 43	2 8	12 20	0 16	7 7	2 6	33 53	10 20	23 53	23 53	8 39		n.a.
W13	8 55	13 40	4 36	4 53	2 46	11 37	2 51	27 3	3 21	1 2	1 6	11 42	2 8	12 21	0 16	7 7	2 6	33 53	10 21	23 53	23 53	8 36		n.a.
T 14	8 33	8 0	4 59	5 18	2 34	12 4	2 55	27 0	3 18	0 56	1 6	11 42	2 8	12 22	0 16	7 8	2 6	33 54	10 21	23 53	23 53	8 34		n.a.
F 15	8 11	1 53	5 0	5 45	2 22	12 30	2 59	26 57	3 16	0 51	1 6	11 41	2 8	12 23	0 16	7 9	2 6	33 54	10 21	23 53	23 53	8 31		n.a.
S 16	7 49	4n16	4 41	6 13	2 8	12 56	3 3	26 55	3 14	0 45	1 6	11 40	2 8	12 24	0 16	7 9	2 6	33 54	10 21	23 53	23 53	8 29		n.a.
S 17	7 26	10 1	4 4	6 42	1 53	13 22	3 7	26 52	3 12	0 39	1 5	11 40	2 8	12 25	0 16	7 10	2 6	33 54	10 22	23 53	23 53	8 26		n.a.
M18	7 4	15 5	3 12	7 11	1 38	13 47	3 11	26 49	3 9	0 34	1 5	11 39	2 8	12 26	0 16	7 11	2 6	33 54	10 22	23 53	23 53	8 24		n.a.
T 19	6 41	19 12	2 12	7 40	1 22	14 12	3 15	26 46	3 7	0 28	1 5	11 38	2 9	12 26	0 16	7 11	2 6	33 55	10 22	23 53	23 53	8 21		n.a.
W20	6 18	22 11	1 5	8 9	1 6	14 36	3 19	26 43	3 5	0 22	1 5	11 38	2 9	12 27	0 16	7 12	2 6	33 55	10 23	23 53	23 53	8 18		n.a.
T 21	5 56	23 56	0n 2	8 37	0 50	15 0	3 22	26 40	3 3	0 17	1 5	11 37	2 9	12 28	0 16	7 13	2 6	33 55	10 23	23 53	23 53	8 16		n.a.
F 22	5 33	24 24	1 8	9 4	0 33	15 24	3 26	26 37	3 1	0 11	1 5	11 36	2 9	12 29	0 16	7 13	2 6	33 55	10 23	23 53	23 53	8 13		n.a.
S 23	5 10	23 39	2 10	9 30	0 17	15 47	3 29	26 34	2 59	0 5	1 5	11 35	2 9	12 30	0 16	7 14	2 6	33 56	10 23	23 53	23 53	8 11		n.a.
S 24	4 47	21 48	3 4	9 53	0 1	16 10	3 33	26 31	2 57	0n 0	1 5	11 34	2 9	12 31	0 16	7 15	2 6	33 56	10 24	23 53	23 53	8 8		n.a.
M25	4 24	18 59	3 50	10 15	0s15	16 32	3 36	26 28	2 54	0 6	1 5	11 34	2 9	12 32	0 16	7 15	2 6	33 56	10 24	23 53	23 53	8 5		n.a.
T 26	4 1	15 24	4 25	10 35	0 31	16 54	3 39	26 25	2 52	0 12	1 4	11 33	2 9	12 33	0 16	7 16	2 6	33 56	10 24	23 53	23 53	8 3		n.a.
W27	3 38	11 14	4 48	10 53	0 46	17 16	3 43	26 22	2 50	0 17	1 4	11 32	2 9	12 34	0 16	7 17	2 6	33 57	10 25	23 53	23 53	8 0		n.a.
T 28	3 14	6 39	4 59	11 8	1 0	17 37	3 46	26 19	2 48	0 23	1 4	11 31	2 10	12 35	0 16	7 17	2 6	33 57	10 25	23 53	23 53	7 58		n.a.
F 29	2 51	1 49	4 57	11 21	1 13	17 57	3 49	26 15	2 46	0 29	1 4	11 30	2 10	12 36	0 16	7 18	2 6	33 57	10 25	23 53	23 53	7 55		n.a.
S 30	2 28	3s 7	4 41	11 32	1 26	18 18	3 52	26 12	2 44	0 34	1 4	11 29	2 10	12 37	0 16	7 19	2 6	33 57	10 26	23 53	23 53	7 52		n.a.
S 31	2s 5	7s57	4n14	11s40	1s38	18n37	3n54	26n 9	2n42	0n40	1s 4	11s28	2n10	12n38	0s16	7n19	2n 6	33s58	10s26	23n53	23n53	7n50		n.a.

Julian Day Number = 1112975.5, Delta T = 10h50m23s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'09, Lahiri = -26°56'09 Julian Calendar 1 March 1666 BCE == Greg. Calendar 15 Feb. 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

APRIL 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 37 25	25♓49'30	12♏42	4♓26	10♉21	10♋59	4♈18	5°R 9	3♉28	16°R33	9♑17	28°R 4	28♊19	22♍19	n.a.	M 1
T 2	11 41 22	26°47'08	24°55	4°43	11°11	11°17	4°32	5♏ 6	3°31	16♍32	9°18	27♊58	28°16	22°26	n.a.	T 2
W 3	11 45 19	27°44'45	7♐21	5° 5	12° 0	11°35	4°46	5° 3	3°34	16°30	9°18	27°56	28°13	22°33	n.a.	W 3
T 4	11 49 15	28°42'20	20° 2	5°31	12°48	11°54	5° 0	5° 0	3°37	16°29	9°19	27°55	28°10	22°40	n.a.	T 4
F 5	11 53 12	29°39'55	3♑ 4	6° 1	13°36	12°14	5°14	4°57	3°40	16°27	9°19	27°55	28° 7	22°46	n.a.	F 5
S 6	11 57 8	0♈37'28	16°30	6°36	14°23	12°33	5°28	4°54	3°43	16°25	9°20	27°54	28° 3	22°53	n.a.	S 6
S 7	12 1 5	1°35'01	0♒23	7°14	15° 9	12°53	5°42	4°51	3°46	16°24	9°20	27°52	28° 0	23° 0	n.a.	S 7
M 8	12 5 1	2°32'32	14°44	7°56	15°54	13°14	5°56	4°48	3°49	16°22	9°21	27°48	27°57	23° 6	n.a.	M 8
T 9	12 8 58	3°30'03	29°30	8°42	16°38	13°35	6°10	4°44	3°53	16°21	9°21	27°41	27°54	23°13	n.a.	T 9
W10	12 12 54	4°27'32	14♓35	9°32	17°21	13°56	6°24	4°41	3°56	16°19	9°22	27°32	27°51	23°20	n.a.	W10
T 11	12 16 51	5°25'00	29°52	10°25	18° 4	14°18	6°38	4°37	3°59	16°18	9°22	27°21	27°47	23°27	n.a.	T 11
F 12	12 20 48	6°22'26	15♈ 8	11°21	18°45	14°40	6°52	4°34	4° 2	16°16	9°22	27°10	27°44	23°33	n.a.	F 12
S 13	12 24 44	7°19'52	0♉13	12°20	19°25	15° 2	7° 6	4°30	4° 6	16°15	9°23	27° 1	27°41	23°40	n.a.	S 13
S 14	12 28 41	8°17'16	14°57	13°23	20° 4	15°25	7°20	4°26	4° 9	16°13	9°23	26°54	27°38	23°47	n.a.	S 14
M15	12 32 37	9°14'39	29°15	14°29	20°42	15°48	7°34	4°23	4°12	16°12	9°23	26°49	27°35	23°53	n.a.	M15
T 16	12 36 34	10°12'01	13♊ 3	15°38	21°19	16°11	7°48	4°19	4°16	16°10	9°23	26°47	27°32	24° 0	n.a.	T 16
W17	12 40 30	11° 9'21	26°22	16°49	21°55	16°35	8° 2	4°15	4°19	16° 9	9°24	26°D46	27°28	24° 7	n.a.	W17
T 18	12 44 27	12° 6'40	9♋16	18° 4	22°29	16°59	8°16	4°11	4°22	16° 7	9°24	26°R46	27°25	24°14	n.a.	T 18
F 19	12 48 23	13° 3'58	21°49	19°21	23° 2	17°23	8°29	4° 7	4°26	16° 6	9°24	26°46	27°22	24°20	n.a.	F 19
S 20	12 52 20	14° 1'15	4♌ 5	20°42	23°33	17°48	8°43	4° 3	4°29	16° 5	9°24	26°44	27°19	24°27	n.a.	S 20
S 21	12 56 17	14°58'30	16° 9	22° 5	24° 4	18°13	8°57	3°59	4°32	16° 3	9°24	26°40	27°16	24°34	n.a.	S 21
M22	13 0 13	15°55'44	28° 6	23°30	24°32	18°38	9°11	3°55	4°36	16° 2	9°24	26°34	27°12	24°41	n.a.	M22
T 23	13 4 10	16°52'57	9♍58	24°58	24°59	19° 4	9°25	3°51	4°39	16° 0	9°24	26°25	27° 9	24°47	n.a.	T 23
W24	13 8 6	17°50'09	21°50	26°30	25°25	19°30	9°39	3°47	4°43	15°59	9°24	26°14	27° 6	24°54	n.a.	W24
T 25	13 12 3	18°47'20	3♎43	28° 3	25°49	19°56	9°53	3°43	4°46	15°58	9°R24	26° 2	27° 3	25° 1	n.a.	T 25
F 26	13 15 59	19°44'30	15°40	29°39	26°11	20°22	10° 7	3°39	4°50	15°56	9°24	25°50	27° 0	25° 7	n.a.	F 26
S 27	13 19 56	20°41'40	27°41	1♈18	26°31	20°49	10°21	3°35	4°53	15°55	9°24	25°39	26°57	25°14	n.a.	S 27
S 28	13 23 52	21°38'49	9♏48	3° 0	26°49	21°16	10°35	3°30	4°57	15°54	9°24	25°29	26°53	25°21	n.a.	S 28
M29	13 27 49	22°35'57	22° 2	4°44	27° 6	21°43	10°48	3°26	5° 0	15°53	9°24	25°22	26°50	25°28	n.a.	M29
T 30	13 31 46	23♈33'05	4♐25	6♈31	27♉21	22♋11	11♈ 2	3♏22	5♉ 4	15♍52	9♑24	25♊18	26♊47	25♍34	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1s41	12s32	3n34	11s46	1s50	18n56	3n57	26n 5	2n40	0n46	1s 4	11s27	2n10	12n39	0s16	7n20	2n 6	33s58	10s26	23n52	23n53	7n47		n.a.
T 2	1 18	16 42	2 45	11 49	2 0	19 15	3 59	26 2	2 38	0 52	1 4	11 26	2 10	12 40	0 16	7 20	2 6	33 58	10 26	23 52	23 53	7 44		n.a.
W 3	0 55	20 12	1 46	11 50	2 10	19 33	4 2	25 58	2 36	0 57	1 4	11 25	2 10	12 41	0 16	7 21	2 6	33 58	10 27	23 52	23 53	7 42		n.a.
T 4	0 31	22 49	0 41	11 48	2 19	19 50	4 4	25 54	2 34	1 3	1 4	11 24	2 10	12 42	0 16	7 22	2 6	33 59	10 27	23 52	23 53	7 39		n.a.
F 5	0 8	24 18	0s27	11 44	2 26	20 7	4 6	25 51	2 32	1 9	1 4	11 22	2 10	12 44	0 16	7 22	2 6	33 59	10 27	23 52	23 53	7 37		n.a.
S 6	0n15	24 27	1 37	11 38	2 34	20 23	4 8	25 47	2 31	1 14	1 3	11 21	2 10	12 45	0 16	7 23	2 6	33 59	10 28	23 52	23 52	7 34		n.a.
S 7	0 38	23 5	2 42	11 29	2 40	20 39	4 10	25 43	2 29	1 20	1 3	11 20	2 10	12 46	0 16	7 24	2 6	33 59	10 28	23 52	23 52	7 31		n.a.
M 8	1 2	20 13	3 40	11 18	2 45	20 54	4 11	25 39	2 27	1 26	1 3	11 19	2 11	12 47	0 16	7 24	2 6	34 0	10 28	23 52	23 52	7 29		n.a.
T 9	1 25	15 59	4 25	11 4	2 50	21 9	4 13	25 35	2 25	1 32	1 3	11 18	2 11	12 48	0 16	7 25	2 6	34 0	10 29	23 52	23 52	7 26		n.a.
W10	1 48	10 40	4 53	10 49	2 54	21 23	4 14	25 31	2 23	1 37	1 3	11 16	2 11	12 49	0 16	7 25	2 6	34 0	10 29	23 52	23 52	7 23		n.a.
T 11	2 11	4 38	5 0	10 31	2 57	21 36	4 15	25 27	2 21	1 43	1 3	11 15	2 11	12 50	0 16	7 26	2 6	34 1	10 29	23 52	23 52	7 21		n.a.
F 12	2 35	1n41	4 46	10 12	2 59	21 49	4 16	25 22	2 19	1 49	1 3	11 14	2 11	12 51	0 16	7 26	2 6	34 1	10 30	23 51	23 52	7 18		n.a.
S 13	2 58	7 50	4 12	9 50	3 1	22 1	4 17	25 18	2 18	1 54	1 3	11 13	2 11	12 52	0 16	7 27	2 6	34 1	10 30	23 51	23 52	7 15		n.a.
S 14	3 21	13 25	3 22	9 26	3 2	22 13	4 17	25 14	2 16	2 0	1 3	11 11	2 11	12 54	0 16	7 28	2 6	34 1	10 30	23 51	23 52	7 13		n.a.
M15	3 44	18 5	2 20	9 0	3 2	22 24	4 18	25 9	2 14	2 6	1 3	11 10	2 11	12 55	0 16	7 28	2 6	34 2	10 31	23 51	23 52	7 10		n.a.
T 16	4 7	21 36	1 12	8 32	3 1	22 34	4 18	25 5	2 12	2 11	1 3	11 9	2 11	12 56	0 16	7 29	2 6	34 2	10 31	23 51	23 52	7 7		n.a.
W17	4 30	23 48	0 2	8 3	3 0	22 43	4 17	25 0	2 11	2 17	1 3	11 7	2 11	12 57	0 16	7 29	2 6	34 2	10 31	23 51	23 52	7 5		n.a.
T 18	4 52	24 39	1n 6	7 31	2 58	22 52	4 17	24 55	2 9	2 23	1 3	11 6	2 11	12 58	0 16	7 30	2 6	34 3	10 32	23 51	23 52	7 2		n.a.
F 19	5 15	24 12	2 9	6 58	2 55	23 0	4 16	24 50	2 7	2 28	1 3	11 5	2 11	12 59	0 16	7 30	2 6	34 3	10 32	23 51	23 52	6 59		n.a.
S 20	5 38	22 34	3 4	6 22	2 52	23 8	4 15	24 45	2 6	2 34	1 3	11 3	2 11	13 1	0 16	7 31	2 6	34 3	10 32	23 51	23 52	6 57		n.a.
S 21	6 0	19 57	3 50	5 45	2 48	23 14	4 14	24 40	2 4	2 40	1 3	11 2	2 11	13 2	0 16	7 31	2 6	34 4	10 33	23 51	23 52	6 54		n.a.
M22	6 23	16 30	4 26	5 7	2 43	23 20	4 13	24 35	2 2	2 45	1 2	11 1	2 11	13 3	0 16	7 32	2 6	34 4	10 33	23 51	23 52	6 51		n.a.
T 23	6 45	12 25	4 50	4 26	2 38	23 25	4 11	24 30	2 1	2 51	1 2	10 59	2 11	13 4	0 16	7 32	2 6	34 4	10 33	23 50	23 51	6 49		n.a.
W24	7 8	7 53	5 1	3 44	2 32	23 30	4 9	24 24	1 59	2 56	1 2	10 58	2 11	13 5	0 16	7 33	2 5	34 5	10 34	23 50	23 51	6 46		n.a.
T 25	7 30	3 3	4 59	3 0	2 26	23 33	4 7	24 19	1 57	3 2	1 2	10 56	2 11	13 7	0 16	7 33	2 5	34 5	10 34	23 50	23 51	6 43		n.a.
F 26	7 52	1s55	4 44	2 15	2 19	23 36	4 4	24 13	1 56	3 8	1 2	10 55	2 11	13 8	0 16	7 34	2 5	34 5	10 34	23 49	23 51	6 41		n.a.
S 27	8 14	6 51	4 17	1 28	2 11	23 38	4 1	24 7	1 54	3 13	1 2	10 53	2 11	13 9	0 16	7 34	2 5	34 6	10 34	23 49	23 51	6 38		n.a.
S 28	8 35	11 36	3 37	0 40	2 3	23 39	3 58	24 1	1 52	3 19	1 2	10 52	2 11	13 10	0 16	7 35	2 5	34 6	10 35	23 49	23 51	6 35		n.a.
M29	8 57	15 56	2 47	0n10	1 55	23 40	3 54	23 55	1 51	3 24	1 2	10 50	2 11	13 11	0 15	7 35	2 5	34 6	10 35	23 48	23 51	6 32		n.a.
T 30	9n19	19s39	1n49	1n 1	1s46	23n39	3n50	23n49	1n49	3n30	1s 2	10s49	2n11	13n13	0s15	7n36	2n 5	34s 7	10s35	23n48	23n51	6n30		n.a.

Julian Day Number = 1113006.5, Delta T = 10h50m21s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'05, Lahiri = -26°56'05 Julian Calendar 1 Apr. 1666 BCE == Greg. Calendar 18 March 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

MAY 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 35 42	24♈30'12	16♐59	8♈20	27♉33	22♋39	11♈16	3°R17	5♉ 7	15°R50	9°R24	25°R16	26♊44	25♍41	n.a.	W 1
T 2	13 39 39	25°27'19	29°47	10°11	27°44	23° 7	11°30	3♏13	5°11	15♍49	9♑24	25°D15	26°41	25°48	n.a.	T 2
F 3	13 43 35	26°24'26	12♑52	12° 5	27°52	23°35	11°44	3° 9	5°14	15°48	9°24	25♊16	26°38	25°55	n.a.	F 3
S 4	13 47 32	27°21'32	26°17	14° 2	27°58	24° 3	11°57	3° 4	5°18	15°47	9°23	25°R17	26°34	26° 1	n.a.	S 4
S 5	13 51 28	28°18'38	10♒ 4	16° 0	28° 3	24°32	12°11	3° 0	5°21	15°46	9°23	25°16	26°31	26° 8	n.a.	S 5
M 6	13 55 25	29°15'45	24°13	18° 1	28°R 4	25° 1	12°25	2°56	5°25	15°45	9°23	25°14	26°28	26°15	n.a.	M 6
T 7	13 59 22	0♉12'51	8♓45	20° 4	28° 4	25°30	12°38	2°51	5°29	15°44	9°23	25° 9	26°25	26°21	n.a.	T 7
W 8	14 3 18	1° 9'56	23°35	22° 9	28° 1	25°59	12°52	2°47	5°32	15°43	9°22	25° 3	26°22	26°28	n.a.	W 8
T 9	14 7 15	2° 7'02	8♈36	24°15	27°56	26°29	13° 5	2°42	5°36	15°42	9°22	24°55	26°18	26°35	n.a.	T 9
F 10	14 11 11	3° 4'07	23°39	26°22	27°48	26°59	13°19	2°38	5°39	15°41	9°22	24°47	26°15	26°42	n.a.	F 10
S 11	14 15 8	4° 1'13	8♉35	28°31	27°39	27°29	13°33	2°34	5°43	15°40	9°21	24°40	26°12	26°48	n.a.	S 11
S 12	14 19 4	4°58'18	23°15	0♉41	27°26	27°59	13°46	2°29	5°46	15°39	9°21	24°35	26° 9	26°55	n.a.	S 12
M13	14 23 1	5°55'22	7♊32	2°51	27°12	28°30	13°59	2°25	5°50	15°38	9°20	24°32	26° 6	27° 2	n.a.	M13
T 14	14 26 57	6°52'27	21°23	5° 2	26°55	29° 0	14°13	2°20	5°54	15°37	9°20	24°D31	26° 3	27° 8	n.a.	T 14
W15	14 30 54	7°49'31	4♋46	7°13	26°35	29°31	14°26	2°16	5°57	15°36	9°19	24°31	25°59	27°15	n.a.	W15
T 16	14 34 51	8°46'35	17°45	9°24	26°14	0♌ 2	14°40	2°12	6° 1	15°35	9°19	24°32	25°56	27°22	n.a.	T 16
F 17	14 38 47	9°43'38	0♌21	11°34	25°50	0°34	14°53	2° 7	6° 4	15°34	9°18	24°33	25°53	27°29	n.a.	F 17
S 18	14 42 44	10°40'42	12°39	13°44	25°24	1° 5	15° 6	2° 3	6° 8	15°34	9°18	24°R34	25°50	27°35	n.a.	S 18
S 19	14 46 40	11°37'44	24°44	15°52	24°57	1°37	15°19	1°59	6°12	15°33	9°17	24°33	25°47	27°42	n.a.	S 19
M20	14 50 37	12°34'47	6♍41	18° 0	24°27	2° 8	15°32	1°54	6°15	15°32	9°17	24°30	25°44	27°49	n.a.	M20
T 21	14 54 33	13°31'49	18°34	20° 6	23°56	2°41	15°46	1°50	6°19	15°31	9°16	24°25	25°40	27°56	n.a.	T 21
W22	14 58 30	14°28'51	0♎26	22°11	23°23	3°13	15°59	1°46	6°22	15°31	9°15	24°20	25°37	28° 2	n.a.	W22
T 23	15 2 27	15°25'54	12°22	24°15	22°49	3°45	16°12	1°42	6°26	15°30	9°15	24°13	25°34	28° 9	n.a.	T 23
F 24	15 6 23	16°22'56	24°23	26°16	22°14	4°18	16°25	1°38	6°29	15°30	9°14	24° 6	25°31	28°16	n.a.	F 24
S 25	15 10 20	17°19'58	6♏32	28°16	21°38	4°50	16°38	1°33	6°33	15°29	9°13	24° 0	25°28	28°22	n.a.	S 25
S 26	15 14 16	18°17'01	18°50	0♊15	21° 1	5°23	16°50	1°29	6°36	15°28	9°13	23°55	25°24	28°29	n.a.	S 26
M27	15 18 13	19°14'04	1♐19	2°11	20°24	5°56	17° 3	1°25	6°40	15°28	9°12	23°51	25°21	28°36	n.a.	M27
T 28	15 22 9	20°11'07	13°58	4° 6	19°47	6°30	17°16	1°21	6°43	15°27	9°11	23°49	25°18	28°43	n.a.	T 28
W29	15 26 6	21° 8'11	26°49	5°58	19° 9	7° 3	17°29	1°17	6°47	15°27	9°11	23°D49	25°15	28°49	n.a.	W29
T 30	15 30 2	22° 5'15	9♑53	7°49	18°32	7°37	17°41	1°13	6°50	15°27	9°10	23°49	25°12	28°56	n.a.	T 30
F 31	15 33 59	23♉ 2'20	23♑11	9♊38	17♉56	8♌10	17♈54	1♏ 9	6♉54	15♍26	9♑ 9	23♊51	25♊ 9	29♍ 3	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9n40	22s31	0n44	1n53	1s37	23n38	3n45	23n43	1n48	3n35	1s 2	10s48	2n11	13n14	0s15	7n36	2n 5	34s 7	10s36	23n48	23n51	6n27		n.a.
T 2	10 1	24 18	0s24	2 47	1 27	23 36	3 40	23 37	1 46	3 41	1 2	10 46	2 11	13 15	0 15	7 37	2 5	34 7	10 36	23 48	23 51	6 24		n.a.
F 3	10 23	24 48	1 33	3 41	1 17	23 32	3 35	23 30	1 45	3 46	1 2	10 45	2 11	13 16	0 15	7 37	2 5	34 8	10 36	23 48	23 51	6 22		n.a.
S 4	10 44	23 52	2 38	4 37	1 7	23 28	3 29	23 24	1 43	3 52	1 2	10 43	2 11	13 17	0 15	7 37	2 5	34 8	10 37	23 48	23 51	6 19		n.a.
S 5	11 4	21 31	3 36	5 33	0 56	23 23	3 23	23 17	1 42	3 57	1 2	10 42	2 11	13 19	0 15	7 38	2 5	34 8	10 37	23 48	23 51	6 16		n.a.
M 6	11 25	17 48	4 22	6 30	0 46	23 17	3 16	23 10	1 40	4 3	1 2	10 40	2 11	13 20	0 15	7 38	2 5	34 9	10 37	23 48	23 50	6 13		n.a.
T 7	11 46	12 57	4 53	7 27	0 35	23 10	3 9	23 3	1 39	4 8	1 2	10 39	2 11	13 21	0 15	7 39	2 5	34 9	10 38	23 48	23 50	6 11		n.a.
W 8	12 6	7 15	5 6	8 25	0 24	23 2	3 2	22 56	1 37	4 14	1 2	10 37	2 11	13 22	0 15	7 39	2 5	34 9	10 38	23 48	23 50	6 8		n.a.
T 9	12 26	1 4	4 57	9 22	0 13	22 53	2 54	22 49	1 36	4 19	1 2	10 36	2 11	13 24	0 15	7 39	2 5	34 10	10 38	23 47	23 50	6 5		n.a.
F 10	12 46	5n12	4 28	10 20	0 2	22 43	2 45	22 42	1 34	4 24	1 2	10 34	2 11	13 25	0 15	7 40	2 5	34 10	10 39	23 47	23 50	6 3		n.a.
S 11	13 6	11 9	3 41	11 17	0n 9	22 32	2 36	22 34	1 33	4 30	1 2	10 33	2 11	13 26	0 15	7 40	2 5	34 10	10 39	23 47	23 50	6 0		n.a.
S 12	13 25	16 21	2 40	12 13	0 19	22 20	2 27	22 27	1 31	4 35	1 2	10 31	2 11	13 27	0 15	7 40	2 5	34 11	10 39	23 47	23 50	5 57		n.a.
M13	13 45	20 30	1 30	13 9	0 29	22 7	2 17	22 19	1 30	4 40	1 2	10 30	2 11	13 28	0 15	7 41	2 5	34 11	10 39	23 46	23 50	5 54		n.a.
T 14	14 4	23 19	0 17	14 4	0 39	21 53	2 6	22 11	1 29	4 46	1 2	10 28	2 10	13 30	0 15	7 41	2 5	34 11	10 40	23 46	23 50	5 52		n.a.
W15	14 23	24 43	0n55	14 57	0 49	21 38	1 56	22 3	1 27	4 51	1 2	10 27	2 10	13 31	0 15	7 41	2 5	34 12	10 40	23 46	23 50	5 49		n.a.
T 16	14 42	24 42	2 2	15 48	0 58	21 22	1 44	21 55	1 26	4 56	1 2	10 26	2 10	13 32	0 15	7 42	2 5	34 12	10 40	23 46	23 50	5 46		n.a.
F 17	15 0	23 24	3 1	16 38	1 6	21 4	1 33	21 47	1 25	5 1	1 2	10 24	2 10	13 33	0 15	7 42	2 4	34 12	10 41	23 46	23 49	5 43		n.a.
S 18	15 18	21 0	3 51	17 26	1 14	20 46	1 20	21 39	1 23	5 7	1 2	10 23	2 10	13 34	0 15	7 42	2 4	34 13	10 41	23 46	23 49	5 41		n.a.
S 19	15 36	17 44	4 29	18 12	1 21	20 28	1 8	21 30	1 22	5 12	1 2	10 21	2 10	13 36	0 15	7 42	2 4	34 13	10 41	23 46	23 49	5 38		n.a.
M20	15 54	13 46	4 55	18 55	1 28	20 8	0 55	21 21	1 20	5 17	1 2	10 20	2 10	13 37	0 15	7 43	2 4	34 13	10 42	23 46	23 49	5 35		n.a.
T 21	16 12	9 18	5 8	19 37	1 34	19 47	0 42	21 13	1 19	5 22	1 2	10 18	2 10	13 38	0 15	7 43	2 4	34 14	10 42	23 46	23 49	5 32		n.a.
W22	16 29	4 30	5 7	20 16	1 40	19 26	0 29	21 4	1 18	5 27	1 2	10 17	2 10	13 39	0 15	7 43	2 4	34 14	10 42	23 46	23 49	5 30		n.a.
T 23	16 46	0s28	4 54	20 52	1 44	19 4	0 15	20 55	1 16	5 32	1 2	10 16	2 10	13 41	0 15	7 43	2 4	34 14	10 42	23 46	23 49	5 27		n.a.
F 24	17 3	5 29	4 28	21 26	1 48	18 41	0 1	20 46	1 15	5 37	1 2	10 14	2 10	13 42	0 15	7 43	2 4	34 14	10 43	23 45	23 49	5 24		n.a.
S 25	17 19	10 21	3 49	21 58	1 52	18 19	0s13	20 36	1 14	5 42	1 2	10 13	2 9	13 43	0 15	7 44	2 4	34 15	10 43	23 45	23 49	5 21		n.a.
S 26	17 36	14 53	2 59	22 27	1 54	17 55	0 27	20 27	1 12	5 47	1 2	10 12	2 9	13 44	0 15	7 44	2 4	34 15	10 43	23 45	23 48	5 19		n.a.
M27	17 52	18 52	2 0	22 53	1 57	17 32	0 41	20 17	1 11	5 52	1 2	10 10	2 9	13 45	0 15	7 44	2 4	34 15	10 43	23 45	23 48	5 16		n.a.
T 28	18 7	22 1	0 54	23 17	1 58	17 8	0 55	20 8	1 10	5 57	1 2	10 9	2 9	13 46	0 15	7 44	2 4	34 16	10 44	23 44	23 48	5 13		n.a.
W29	18 23	24 7	0s16	23 39	1 59	16 45	1 8	19 58	1 9	6 2	1 2	10 8	2 9	13 48	0 15	7 44	2 4	34 16	10 44	23 44	23 48	5 10		n.a.
T 30	18 38	24 57	1 27	23 58	1 59	16 21	1 22	19 48	1 7	6 7	1 2	10 7	2 9	13 49	0 15	7 44	2 4	34 16	10 44	23 45	23 48	5 7		n.a.
F 31	18n53	24s23	2s34	24n15	1n58	15n58	1s36	19n38	1n 6	6n12	1s 2	10s 5	2n 9	13n50	0s15	7n44	2n 4	34s17	10s45	23n45	23n48	5n 5		n.a.

Julian Day Number = 1113036.5, Delta T = 10h50m19s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°03'01, Lahiri = -26°56'01 Julian Calendar 1 May 1666 BCE == Greg. Calendar 17 Apr. 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

JUNE 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 37 56	23♉59'26	6♒43	11♊25	17°R20	8♌44	18♈ 7	1°R 5	6♉57	15°R26	9°R 8	23♊52	25♊ 5	29♍10	n.a.	S 1
S 2	15 41 52	24°56'32	20°32	13°10	16♉45	9°18	18°19	1♏ 1	7° 1	15♍25	9♑ 7	23°R53	25° 2	29°16	n.a.	S 2
M 3	15 45 49	25°53'40	4♓36	14°53	16°11	9°52	18°31	0°58	7° 4	15°25	9° 6	23°53	24°59	29°23	n.a.	M 3
T 4	15 49 45	26°50'48	18°55	16°34	15°39	10°27	18°44	0°54	7° 8	15°25	9° 5	23°52	24°56	29°30	n.a.	T 4
W 5	15 53 42	27°47'57	3♈25	18°14	15° 8	11° 1	18°56	0°50	7°11	15°25	9° 5	23°49	24°53	29°36	n.a.	W 5
T 6	15 57 38	28°45'06	18° 3	19°51	14°39	11°36	19° 8	0°47	7°15	15°24	9° 4	23°46	24°49	29°43	n.a.	T 6
F 7	16 1 35	29°42'17	2♉42	21°27	14°12	12°11	19°21	0°43	7°18	15°24	9° 3	23°43	24°46	29°50	n.a.	F 7
S 8	16 5 32	0♊39'29	17°16	23° 0	13°47	12°46	19°33	0°40	7°21	15°24	9° 2	23°40	24°43	29°57	n.a.	S 8
S 9	16 9 28	1°36'41	1♊38	24°32	13°24	13°21	19°45	0°36	7°25	15°24	9° 1	23°38	24°40	0♎ 3	n.a.	S 9
M10	16 13 25	2°33'54	15°43	26° 2	13° 3	13°56	19°57	0°33	7°28	15°24	9° 0	23°36	24°37	0°10	n.a.	M10
T 11	16 17 21	3°31'08	29°27	27°30	12°44	14°31	20° 9	0°29	7°31	15°24	8°59	23°D36	24°34	0°17	n.a.	T 11
W12	16 21 18	4°28'23	12♋49	28°56	12°28	15° 7	20°20	0°26	7°35	15°D24	8°58	23°37	24°30	0°24	n.a.	W12
T 13	16 25 14	5°25'38	25°47	0♌19	12°13	15°43	20°32	0°23	7°38	15°24	8°57	23°38	24°27	0°30	n.a.	T 13
F 14	16 29 11	6°22'54	8♌25	1°41	12° 2	16°18	20°44	0°20	7°41	15°24	8°56	23°40	24°24	0°37	n.a.	F 14
S 15	16 33 8	7°20'10	20°46	3° 1	11°52	16°54	20°55	0°17	7°44	15°24	8°55	23°41	24°21	0°44	n.a.	S 15
S 16	16 37 4	8°17'28	2♍53	4°18	11°45	17°30	21° 7	0°14	7°48	15°24	8°54	23°R42	24°18	0°50	n.a.	S 16
M17	16 41 1	9°14'45	14°51	5°34	11°41	18° 7	21°18	0°11	7°51	15°24	8°52	23°42	24°15	0°57	n.a.	M17
T 18	16 44 57	10°12'04	26°45	6°47	11°D38	18°43	21°30	0° 8	7°54	15°24	8°51	23°41	24°11	1° 4	n.a.	T 18
W19	16 48 54	11° 9'23	8♎39	7°58	11°38	19°20	21°41	0° 5	7°57	15°25	8°50	23°40	24° 8	1°11	n.a.	W19
T 20	16 52 50	12° 6'44	20°37	9° 6	11°41	19°56	21°52	0° 2	8° 0	15°25	8°49	23°38	24° 5	1°17	n.a.	T 20
F 21	16 56 47	13° 4'05	2♏43	10°12	11°45	20°33	22° 3	29♎59	8° 3	15°25	8°48	23°37	24° 2	1°24	n.a.	F 21
S 22	17 0 43	14° 1'27	14°59	11°16	11°52	21°10	22°14	29°57	8° 6	15°26	8°47	23°35	23°59	1°31	n.a.	S 22
S 23	17 4 40	14°58'50	27°29	12°16	12° 1	21°47	22°25	29°55	8° 9	15°26	8°46	23°34	23°55	1°37	n.a.	S 23
M24	17 8 37	15°56'14	10♐13	13°14	12°12	22°24	22°36	29°52	8°12	15°26	8°44	23°34	23°52	1°44	n.a.	M24
T 25	17 12 33	16°53'40	23°11	14° 9	12°25	23° 1	22°47	29°50	8°15	15°27	8°43	23°D34	23°49	1°51	n.a.	T 25
W26	17 16 30	17°51'07	6♑25	15° 1	12°40	23°38	22°57	29°48	8°18	15°27	8°42	23°34	23°46	1°58	n.a.	W26
T 27	17 20 26	18°48'35	19°52	15°50	12°57	24°16	23° 8	29°46	8°21	15°28	8°41	23°34	23°43	2° 4	n.a.	T 27
F 28	17 24 23	19°46'05	3♒32	16°35	13°16	24°53	23°18	29°44	8°24	15°28	8°40	23°34	23°40	2°11	n.a.	F 28
S 29	17 28 19	20°43'36	17°24	17°17	13°37	25°31	23°28	29°42	8°27	15°29	8°38	23°35	23°36	2°18	n.a.	S 29
S 30	17 32 16	21♊41'09	1♓24	17♋55	14♉ 0	26♌ 9	23♈39	29♎40	8♉30	15♍29	8♑37	23♊35	23♊33	2♎25	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n 7	22s23	3s33	24n30	1n57	15n35	1s49	19n27	1n 5	6n17	1s 2	10s 4	2n 8	13n51	0s15	7n44	2n 4	34s17	10s45	23n45	23n48	5n 2		n.a.
S 2	19 22	19 3	4 22	24 43	1 55	15 13	2 2	19 17	1 4	6 22	1 2	10 3	2 8	13 52	0 15	7 44	2 4	34 17	10 45	23 45	23 48	4 59		n.a.
M 3	19 35	14 34	4 56	24 53	1 53	14 51	2 14	19 6	1 2	6 26	1 2	10 2	2 8	13 53	0 15	7 45	2 3	34 18	10 45	23 45	23 48	4 56		n.a.
T 4	19 49	9 14	5 12	25 1	1 50	14 30	2 27	18 56	1 1	6 31	1 2	10 0	2 8	13 55	0 15	7 45	2 3	34 18	10 46	23 45	23 47	4 54		n.a.
W 5	20 2	3 19	5 9	25 8	1 47	14 9	2 38	18 45	1 0	6 36	1 2	9 59	2 8	13 56	0 15	7 45	2 3	34 18	10 46	23 44	23 47	4 51		n.a.
T 6	20 15	2n49	4 46	25 12	1 43	13 50	2 50	18 34	0 59	6 40	1 2	9 58	2 8	13 57	0 15	7 45	2 3	34 19	10 46	23 44	23 47	4 48		n.a.
F 7	20 28	8 49	4 4	25 14	1 38	13 32	3 1	18 23	0 57	6 45	1 2	9 57	2 7	13 58	0 15	7 45	2 3	34 19	10 46	23 44	23 47	4 45		n.a.
S 8	20 40	14 20	3 7	25 15	1 33	13 14	3 11	18 12	0 56	6 50	1 2	9 56	2 7	13 59	0 15	7 45	2 3	34 19	10 46	23 44	23 47	4 42		n.a.
S 9	20 52	18 57	1 58	25 14	1 28	12 58	3 21	18 0	0 55	6 54	1 2	9 55	2 7	14 0	0 15	7 45	2 3	34 20	10 47	23 44	23 47	4 40		n.a.
M10	21 4	22 23	0 43	25 12	1 22	12 43	3 30	17 49	0 54	6 59	1 2	9 54	2 7	14 1	0 15	7 45	2 3	34 20	10 47	23 44	23 47	4 37		n.a.
T 11	21 15	24 25	0n32	25 7	1 16	12 28	3 39	17 37	0 53	7 3	1 2	9 53	2 7	14 2	0 15	7 45	2 3	34 20	10 47	23 44	23 46	4 34		n.a.
W12	21 26	24 59	1 44	25 2	1 9	12 16	3 47	17 25	0 52	7 8	1 2	9 52	2 7	14 4	0 15	7 45	2 3	34 20	10 47	23 44	23 46	4 31		n.a.
T 13	21 37	24 8	2 48	24 55	1 2	12 4	3 55	17 14	0 50	7 12	1 2	9 51	2 6	14 5	0 15	7 44	2 3	34 21	10 48	23 44	23 46	4 28		n.a.
F 14	21 47	22 4	3 43	24 47	0 54	11 53	4 2	17 2	0 49	7 17	1 2	9 50	2 6	14 6	0 15	7 44	2 3	34 21	10 48	23 44	23 46	4 26		n.a.
S 15	21 57	19 1	4 25	24 37	0 46	11 44	4 9	16 49	0 48	7 21	1 2	9 49	2 6	14 7	0 15	7 44	2 3	34 21	10 48	23 44	23 46	4 23		n.a.
S 16	22 6	15 12	4 55	24 26	0 37	11 36	4 15	16 37	0 47	7 26	1 3	9 48	2 6	14 8	0 15	7 44	2 3	34 22	10 48	23 44	23 46	4 20		n.a.
M17	22 15	10 51	5 12	24 15	0 29	11 29	4 21	16 25	0 46	7 30	1 3	9 47	2 6	14 9	0 15	7 44	2 3	34 22	10 48	23 44	23 46	4 17		n.a.
T 18	22 24	6 7	5 15	24 2	0 19	11 23	4 26	16 12	0 45	7 34	1 3	9 47	2 5	14 10	0 15	7 44	2 3	34 22	10 49	23 44	23 46	4 14		n.a.
W19	22 32	1 10	5 5	23 49	0 10	11 19	4 31	15 59	0 43	7 38	1 3	9 46	2 5	14 11	0 15	7 44	2 2	34 22	10 49	23 44	23 45	4 12		n.a.
T 20	22 40	3s52	4 42	23 34	0 0	11 15	4 35	15 47	0 42	7 43	1 3	9 45	2 5	14 12	0 15	7 44	2 2	34 23	10 49	23 44	23 45	4 9		n.a.
F 21	22 48	8 48	4 5	23 19	0s10	11 13	4 39	15 34	0 41	7 47	1 3	9 44	2 5	14 13	0 15	7 43	2 2	34 23	10 49	23 44	23 45	4 6		n.a.
S 22	22 55	13 30	3 18	23 4	0 21	11 12	4 43	15 21	0 40	7 51	1 3	9 44	2 5	14 14	0 15	7 43	2 2	34 23	10 49	23 44	23 45	4 3		n.a.
S 23	23 1	17 42	2 19	22 47	0 31	11 12	4 46	15 7	0 39	7 55	1 3	9 43	2 4	14 15	0 15	7 43	2 2	34 23	10 49	23 44	23 45	4 0		n.a.
M24	23 8	21 11	1 13	22 31	0 42	11 13	4 48	14 54	0 38	7 59	1 3	9 42	2 4	14 16	0 15	7 43	2 2	34 24	10 50	23 44	23 45	3 57		n.a.
T 25	23 14	23 41	0 2	22 14	0 54	11 15	4 51	14 41	0 37	8 3	1 3	9 42	2 4	14 17	0 15	7 43	2 2	34 24	10 50	23 44	23 44	3 55		n.a.
W26	23 19	24 54	1s11	21 57	1 5	11 17	4 52	14 27	0 36	8 7	1 3	9 41	2 4	14 18	0 15	7 42	2 2	34 24	10 50	23 44	23 44	3 52		n.a.
T 27	23 24	24 42	2 21	21 40	1 17	11 21	4 54	14 13	0 35	8 11	1 3	9 40	2 4	14 19	0 15	7 42	2 2	34 24	10 50	23 44	23 44	3 49		n.a.
F 28	23 29	23 1	3 24	21 22	1 29	11 26	4 55	14 0	0 33	8 15	1 3	9 40	2 3	14 20	0 15	7 42	2 2	34 25	10 50	23 44	23 44	3 46		n.a.
S 29	23 33	19 58	4 16	21 5	1 41	11 31	4 56	13 46	0 32	8 18	1 3	9 39	2 3	14 21	0 15	7 42	2 2	34 25	10 50	23 44	23 44	3 43		n.a.
S 30	23n37	15s44	4s54	20n48	1s53	11n37	4s57	13n32	0n31	8n22	1s 3	9s39	2n 3	14n22	0s15	7n41	2n 2	34s25	10s50	23n44	23n44	3n40		n.a.

Julian Day Number = 1113067.5, Delta T = 10h50m17s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'57, Lahiri = -26°55'56 Julian Calendar 1 June 1666 BCE == Greg. Calendar 18 May 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

JULY 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 36 12	22♊38'43	15♓33	18♋29	14♉24	26♌47	23♈49	29°R38	8♉33	15♍30	8°R36	23♊35	23♊30	2♎31	n.a.	M 1
T 2	17 40 9	23°36'19	29°46	18°59	14°50	27°25	23°59	29♎36	8°36	15°30	8♑35	23°35	23°27	2°38	n.a.	T 2
W 3	17 44 6	24°33'57	14♈ 2	19°25	15°17	28° 3	24° 9	29°35	8°38	15°31	8°33	23°35	23°24	2°45	n.a.	W 3
T 4	17 48 2	25°31'37	28°18	19°46	15°46	28°41	24°19	29°33	8°41	15°32	8°32	23°35	23°21	2°51	n.a.	T 4
F 5	17 51 59	26°29'18	12♉31	20° 2	16°17	29°20	24°28	29°32	8°44	15°32	8°31	23°35	23°17	2°58	n.a.	F 5
S 6	17 55 55	27°27'02	26°37	20°13	16°49	29°58	24°38	29°30	8°46	15°33	8°30	23°36	23°14	3° 5	n.a.	S 6
S 7	17 59 52	28°24'47	10♊33	20°19	17°22	0♍37	24°47	29°29	8°49	15°34	8°28	23°36	23°11	3°12	n.a.	S 7
M 8	18 3 48	29°22'33	24°17	20°R20	17°57	1°16	24°57	29°28	8°52	15°35	8°27	23°R36	23° 8	3°18	n.a.	M 8
T 9	18 7 45	0♋20'22	7♋44	20°15	18°33	1°54	25° 6	29°27	8°54	15°36	8°26	23°36	23° 5	3°25	n.a.	T 9
W10	18 11 41	1°18'12	20°54	20° 4	19°10	2°33	25°15	29°26	8°57	15°36	8°24	23°35	23° 1	3°32	n.a.	W10
T 11	18 15 38	2°16'03	3♌47	19°47	19°48	3°13	25°24	29°25	8°59	15°37	8°23	23°35	22°58	3°39	n.a.	T 11
F 12	18 19 35	3°13'56	16°22	19°25	20°27	3°52	25°33	29°24	9° 2	15°38	8°22	23°33	22°55	3°45	n.a.	F 12
S 13	18 23 31	4°11'51	28°42	18°57	21° 8	4°31	25°42	29°23	9° 4	15°39	8°21	23°32	22°52	3°52	n.a.	S 13
S 14	18 27 28	5° 9'47	10♍49	18°23	21°50	5°10	25°50	29°23	9° 6	15°40	8°19	23°31	22°49	3°59	n.a.	S 14
M15	18 31 24	6° 7'44	22°48	17°44	22°32	5°50	25°59	29°22	9° 9	15°41	8°18	23°30	22°46	4° 5	n.a.	M15
T 16	18 35 21	7° 5'43	4♎41	17° 0	23°16	6°30	26° 7	29°22	9°11	15°42	8°17	23°D29	22°42	4°12	n.a.	T 16
W17	18 39 17	8° 3'43	16°35	16°12	24° 0	7° 9	26°16	29°22	9°13	15°43	8°15	23°29	22°39	4°19	n.a.	W17
T 18	18 43 14	9° 1'45	28°33	15°20	24°45	7°49	26°24	29°21	9°15	15°45	8°14	23°30	22°36	4°26	n.a.	T 18
F 19	18 47 10	9°59'49	10♏40	14°26	25°32	8°29	26°32	29°21	9°17	15°46	8°13	23°31	22°33	4°32	n.a.	F 19
S 20	18 51 7	10°57'54	23° 0	13°30	26°19	9° 9	26°39	29°D21	9°20	15°47	8°11	23°33	22°30	4°39	n.a.	S 20
S 21	18 55 4	11°56'01	5♐37	12°33	27° 7	9°49	26°47	29°21	9°22	15°48	8°10	23°34	22°27	4°46	n.a.	S 21
M22	18 59 0	12°54'10	18°33	11°37	27°55	10°29	26°55	29°21	9°24	15°49	8° 9	23°R35	22°23	4°52	n.a.	M22
T 23	19 2 57	13°52'20	1♑49	10°42	28°45	11°10	27° 2	29°22	9°26	15°51	8° 7	23°35	22°20	4°59	n.a.	T 23
W24	19 6 53	14°50'33	15°25	9°51	29°35	11°50	27° 9	29°22	9°28	15°52	8° 6	23°34	22°17	5° 6	n.a.	W24
T 25	19 10 50	15°48'47	29°19	9° 4	0♊26	12°31	27°17	29°22	9°30	15°53	8° 5	23°31	22°14	5°13	n.a.	T 25
F 26	19 14 46	16°47'03	13♒27	8°22	1°18	13°11	27°24	29°23	9°31	15°54	8° 4	23°28	22°11	5°19	n.a.	F 26
S 27	19 18 43	17°45'22	27°46	7°46	2°10	13°52	27°30	29°24	9°33	15°56	8° 2	23°25	22° 7	5°26	n.a.	S 27
S 28	19 22 39	18°43'42	12♓ 9	7°18	3° 3	14°33	27°37	29°24	9°35	15°57	8° 1	23°22	22° 4	5°33	n.a.	S 28
M29	19 26 36	19°42'05	26°32	6°58	3°57	15°13	27°44	29°25	9°37	15°59	8° 0	23°19	22° 1	5°40	n.a.	M29
T 30	19 30 33	20°40'30	10♈50	6°46	4°51	15°54	27°50	29°26	9°38	16° 0	7°58	23°18	21°58	5°46	n.a.	T 30
W31	19 34 29	21♋38'58	25♈ 2	6°D44	5♊45	16♍35	27♈56	29♎27	9♉40	16♍ 2	7♑57	23°D17	21♊55	5♎53	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	23n41	10s36	5s14	20n31	2s 5	11n44	4s57	13n17	0n30	8n26	1s 3	9s39	2n 3	14n23	0s15	7n41	2n 2	34s25	10s51	23n44	23n44	3n38			n.a.
T 2	23 44	4 54	5 15	20 15	2 17	11 52	4 57	13 3	0 29	8 30	1 3	9 38	2 2	14 24	0 15	7 41	2 2	34 26	10 51	23 44	23 43	3 35			n.a.
W 3	23 46	1n 5	4 57	20 0	2 29	12 0	4 56	12 49	0 28	8 33	1 4	9 38	2 2	14 24	0 15	7 40	2 2	34 26	10 51	23 44	23 43	3 32			n.a.
T 4	23 49	7 1	4 21	19 45	2 41	12 9	4 56	12 34	0 27	8 37	1 4	9 37	2 2	14 25	0 15	7 40	2 1	34 26	10 51	23 44	23 43	3 29			n.a.
F 5	23 50	12 35	3 28	19 30	2 53	12 19	4 55	12 20	0 26	8 40	1 4	9 37	2 2	14 26	0 15	7 40	2 1	34 26	10 51	23 44	23 43	3 26			n.a.
S 6	23 52	17 26	2 24	19 17	3 5	12 29	4 54	12 5	0 25	8 44	1 4	9 37	2 1	14 27	0 15	7 39	2 1	34 26	10 51	23 44	23 43	3 23			n.a.
S 7	23 53	21 16	1 12	19 5	3 16	12 39	4 53	11 50	0 24	8 47	1 4	9 37	2 1	14 28	0 15	7 39	2 1	34 27	10 51	23 44	23 43	3 20			n.a.
M 8	23 53	23 49	0n 4	18 54	3 27	12 51	4 51	11 35	0 23	8 51	1 4	9 36	2 1	14 29	0 15	7 39	2 1	34 27	10 51	23 44	23 42	3 18			n.a.
T 9	23 53	24 57	1 17	18 44	3 38	13 2	4 49	11 20	0 22	8 54	1 4	9 36	2 1	14 30	0 15	7 38	2 1	34 27	10 52	23 44	23 42	3 15			n.a.
W10	23 53	24 37	2 25	18 36	3 48	13 14	4 48	11 5	0 21	8 57	1 4	9 36	2 0	14 30	0 15	7 38	2 1	34 27	10 52	23 44	23 42	3 12			n.a.
T 11	23 52	22 59	3 24	18 30	3 57	13 26	4 45	10 49	0 20	9 1	1 4	9 36	2 0	14 31	0 15	7 37	2 1	34 27	10 52	23 44	23 42	3 9			n.a.
F 12	23 51	20 13	4 12	18 25	4 5	13 39	4 43	10 34	0 19	9 4	1 4	9 36	2 0	14 32	0 15	7 37	2 1	34 27	10 52	23 44	23 42	3 6			n.a.
S 13	23 49	16 37	4 47	18 22	4 12	13 52	4 41	10 19	0 18	9 7	1 4	9 36	2 0	14 33	0 15	7 37	2 1	34 28	10 52	23 44	23 42	3 3			n.a.
S 14	23 47	12 23	5 8	18 21	4 18	14 5	4 38	10 3	0 17	9 10	1 4	9 36	2 0	14 34	0 15	7 36	2 1	34 28	10 52	23 44	23 41	3 0			n.a.
M15	23 45	7 44	5 16	18 22	4 22	14 19	4 35	9 47	0 16	9 13	1 5	9 36	1 59	14 34	0 15	7 36	2 1	34 28	10 52	23 44	23 41	2 58			n.a.
T 16	23 42	2 50	5 10	18 24	4 25	14 33	4 33	9 31	0 15	9 16	1 5	9 36	1 59	14 35	0 15	7 35	2 1	34 28	10 52	23 44	23 41	2 55			n.a.
W17	23 38	2s10	4 51	18 29	4 26	14 46	4 30	9 16	0 14	9 19	1 5	9 36	1 59	14 36	0 15	7 35	2 1	34 28	10 52	23 44	23 41	2 52			n.a.
T 18	23 34	7 8	4 19	18 36	4 25	15 1	4 26	9 0	0 13	9 22	1 5	9 36	1 59	14 37	0 15	7 34	2 1	34 28	10 52	23 44	23 41	2 49			n.a.
F 19	23 30	11 54	3 35	18 44	4 23	15 15	4 23	8 43	0 12	9 25	1 5	9 37	1 58	14 37	0 15	7 34	2 1	34 29	10 52	23 44	23 40	2 46			n.a.
S 20	23 26	16 17	2 41	18 54	4 18	15 29	4 20	8 27	0 11	9 28	1 5	9 37	1 58	14 38	0 15	7 33	2 1	34 29	10 52	23 44	23 40	2 43			n.a.
S 21	23 20	20 3	1 37	19 6	4 12	15 44	4 16	8 11	0 10	9 30	1 5	9 37	1 58	14 39	0 15	7 33	2 0	34 29	10 52	23 44	23 40	2 40			n.a.
M22	23 15	22 56	0 28	19 20	4 4	15 58	4 12	7 55	0 9	9 33	1 5	9 37	1 58	14 39	0 15	7 32	2 0	34 29	10 52	23 44	23 40	2 37			n.a.
T 23	23 9	24 38	0s45	19 34	3 53	16 13	4 9	7 38	0 8	9 36	1 5	9 38	1 57	14 40	0 15	7 32	2 0	34 29	10 52	23 44	23 40	2 35			n.a.
W24	23 3	24 55	1 57	19 50	3 41	16 27	4 5	7 22	0 7	9 38	1 5	9 38	1 57	14 41	0 15	7 31	2 0	34 29	10 52	23 44	23 40	2 32			n.a.
T 25	22 56	23 40	3 4	20 7	3 28	16 42	4 1	7 5	0 6	9 41	1 5	9 38	1 57	14 41	0 15	7 31	2 0	34 29	10 52	23 44	23 39	2 29			n.a.
F 26	22 49	20 56	4 0	20 25	3 13	16 57	3 57	6 48	0 5	9 43	1 6	9 39	1 57	14 42	0 15	7 30	2 0	34 29	10 52	23 43	23 39	2 26			n.a.
S 27	22 41	16 53	4 43	20 43	2 57	17 11	3 53	6 32	0 4	9 46	1 6	9 39	1 56	14 42	0 15	7 29	2 0	34 29	10 52	23 43	23 39	2 23			n.a.
S 28	22 33	11 51	5 7	21 2	2 40	17 25	3 49	6 15	0 3	9 48	1 6	9 40	1 56	14 43	0 15	7 29	2 0	34 29	10 52	23 43	23 39	2 20			n.a.
M29	22 25	6 10	5 13	21 20	2 22	17 40	3 44	5 58	0 2	9 50	1 6	9 40	1 56	14 43	0 15	7 28	2 0	34 30	10 52	23 43	23 39	2 17			n.a.
T 30	22 16	0 12	4 59	21 39	2 4	17 54	3 40	5 41	0 1	9 52	1 6	9 41	1 56	14 44	0 15	7 28	2 0	34 30	10 52	23 43	23 38	2 14			n.a.
W31	22n 7	5n44	4s27	21n57	1s46	18n 8	3s35	5n24	0n 0	9n55	1s 6	9s42	1n55	14n44	0s15	7n27	2n 0	34s30	10s52	23n43	23n38	2n12			n.a.

Julian Day Number = 1113097.5, Delta T = 10h50m15s
Ecliptic obliquity = 23°53'20, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'53, Lahiri = -26°55'52 Julian Calendar 1 July 1666 BCE == Greg. Calendar 17 June 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

AUGUST 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 38 26	22♋37'27	9♉ 4	6♋50	6♊41	17♍17	28♈ 2	29♎28	9♉42	16♍ 3	7°R56	23♊18	21♊52	6♎ 0	n.a.	T 1
F 2	19 42 22	23°35'59	22°57	7° 5	7°37	17°58	28° 8	29°30	9°43	16° 5	7♑55	23°20	21°48	6° 6	n.a.	F 2
S 3	19 46 19	24°34'34	6♊38	7°30	8°33	18°39	28°14	29°31	9°45	16° 6	7°53	23°21	21°45	6°13	n.a.	S 3
S 4	19 50 15	25°33'11	20° 7	8° 4	9°30	19°21	28°20	29°32	9°46	16° 8	7°52	23°R22	21°42	6°20	n.a.	S 4
M 5	19 54 12	26°31'50	3♋25	8°46	10°27	20° 2	28°25	29°34	9°47	16° 9	7°51	23°22	21°39	6°27	n.a.	M 5
T 6	19 58 8	27°30'32	16°31	9°36	11°25	20°44	28°30	29°36	9°49	16°11	7°50	23°20	21°36	6°33	n.a.	T 6
W 7	20 2 5	28°29'16	29°24	10°35	12°24	21°26	28°35	29°37	9°50	16°12	7°49	23°16	21°33	6°40	n.a.	W 7
T 8	20 6 2	29°28'01	12♌ 3	11°40	13°22	22° 7	28°40	29°39	9°51	16°14	7°47	23°10	21°29	6°47	n.a.	T 8
F 9	20 9 58	0♌26'49	24°30	12°52	14°22	22°49	28°45	29°41	9°53	16°16	7°46	23° 4	21°26	6°53	n.a.	F 9
S 10	20 13 55	1°25'39	6♍45	14°10	15°21	23°31	28°49	29°43	9°54	16°18	7°45	22°57	21°23	7° 0	n.a.	S 10
S 11	20 17 51	2°24'31	18°50	15°33	16°21	24°13	28°54	29°45	9°55	16°19	7°44	22°50	21°20	7° 7	n.a.	S 11
M12	20 21 48	3°23'24	0♎47	17° 1	17°22	24°56	28°58	29°47	9°56	16°21	7°43	22°44	21°17	7°14	n.a.	M12
T 13	20 25 44	4°22'20	12°39	18°34	18°23	25°38	29° 2	29°49	9°57	16°23	7°41	22°40	21°13	7°20	n.a.	T 13
W14	20 29 41	5°21'18	24°30	20°10	19°24	26°20	29° 6	29°52	9°58	16°25	7°40	22°38	21°10	7°27	n.a.	W14
T 15	20 33 37	6°20'17	6♏26	21°49	20°25	27° 3	29°10	29°54	9°59	16°26	7°39	22°D37	21° 7	7°34	n.a.	T 15
F 16	20 37 34	7°19'19	18°30	23°30	21°27	27°45	29°13	29°57	10° 0	16°28	7°38	22°38	21° 4	7°40	n.a.	F 16
S 17	20 41 30	8°18'22	0♐49	25°13	22°30	28°28	29°16	29°59	10° 0	16°30	7°37	22°39	21° 1	7°47	n.a.	S 17
S 18	20 45 27	9°17'28	13°27	26°58	23°32	29°10	29°20	0♏ 2	10° 1	16°32	7°36	22°40	20°58	7°54	n.a.	S 18
M19	20 49 24	10°16'36	26°27	28°44	24°35	29°53	29°22	0° 5	10° 2	16°34	7°35	22°R40	20°54	8° 1	n.a.	M19
T 20	20 53 20	11°15'45	9♑52	0♌31	25°38	0♎36	29°25	0° 8	10° 2	16°36	7°34	22°39	20°51	8° 7	n.a.	T 20
W21	20 57 17	12°14'57	23°44	2°19	26°42	1°19	29°28	0°11	10° 3	16°38	7°33	22°36	20°48	8°14	n.a.	W21
T 22	21 1 13	13°14'10	7♒59	4° 7	27°46	2° 2	29°30	0°14	10° 3	16°40	7°32	22°30	20°45	8°21	n.a.	T 22
F 23	21 5 10	14°13'26	22°33	5°55	28°50	2°45	29°32	0°17	10° 4	16°41	7°31	22°22	20°42	8°28	n.a.	F 23
S 24	21 9 6	15°12'44	7♓19	7°43	29°55	3°28	29°34	0°20	10° 4	16°43	7°30	22°14	20°39	8°34	n.a.	S 24
S 25	21 13 3	16°12'04	22°10	9°31	0♋59	4°11	29°36	0°24	10° 5	16°45	7°29	22° 6	20°35	8°41	n.a.	S 25
M26	21 16 59	17°11'27	6♈56	11°18	2° 4	4°55	29°38	0°27	10° 5	16°47	7°28	21°59	20°32	8°48	n.a.	M26
T 27	21 20 56	18°10'52	21°31	13° 5	3°10	5°38	29°39	0°31	10° 5	16°49	7°27	21°54	20°29	8°54	n.a.	T 27
W28	21 24 52	19°10'20	5♉50	14°52	4°15	6°21	29°40	0°34	10° 6	16°51	7°26	21°51	20°26	9° 1	n.a.	W28
T 29	21 28 49	20° 9'50	19°51	16°38	5°21	7° 5	29°41	0°38	10° 6	16°54	7°25	21°D50	20°23	9° 8	n.a.	T 29
F 30	21 32 46	21° 9'23	3♊33	18°23	6°27	7°49	29°42	0°42	10° 6	16°56	7°24	21°51	20°19	9°15	n.a.	F 30
S 31	21 36 42	22♌ 8'58	16♊59	20♌ 8	7♋34	8♎32	29♈43	0♏46	10°R 6	16♍58	7♑23	21°R51	20♊16	9♎21	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21n57	11n20	3s39	22n15	1s27	18n22	3s31	5n 7	0s 0	9n57	1s 6	9s42	1n55	14n45	0s15	7n26	2n 0	34s30	10s52	23n43	23n38	2n 9			n.a.
F 2	21 47	16 18	2 39	22 33	1 9	18 36	3 26	4 49	0 1	9 59	1 6	9 43	1 55	14 45	0 15	7 26	2 0	34 30	10 52	23 43	23 38	2 6			n.a.
S 3	21 37	20 20	1 30	22 49	0 52	18 49	3 22	4 32	0 2	10 1	1 6	9 44	1 55	14 46	0 15	7 25	2 0	34 30	10 52	23 43	23 38	2 3			n.a.
S 4	21 26	23 13	0 18	23 4	0 34	19 3	3 17	4 15	0 3	10 3	1 7	9 44	1 54	14 46	0 15	7 24	2 0	34 30	10 52	23 43	23 37	2 0			n.a.
M 5	21 15	24 45	0n55	23 18	0 18	19 16	3 13	3 57	0 4	10 5	1 7	9 45	1 54	14 47	0 15	7 24	2 0	34 30	10 52	23 43	23 37	1 57			n.a.
T 6	21 3	24 53	2 3	23 30	0 2	19 28	3 8	3 40	0 5	10 6	1 7	9 46	1 54	14 47	0 15	7 23	2 0	34 30	10 52	23 43	23 37	1 54			n.a.
W 7	20 51	23 39	3 3	23 40	0n12	19 41	3 3	3 22	0 6	10 8	1 7	9 47	1 54	14 48	0 15	7 22	2 0	34 30	10 52	23 43	23 37	1 51			n.a.
T 8	20 39	21 14	3 54	23 48	0 26	19 53	2 58	3 5	0 7	10 10	1 7	9 48	1 53	14 48	0 15	7 22	2 0	34 30	10 52	23 43	23 37	1 48			n.a.
F 9	20 26	17 52	4 32	23 54	0 39	20 5	2 53	2 47	0 8	10 11	1 7	9 48	1 53	14 49	0 15	7 21	2 0	34 30	10 52	23 42	23 36	1 45			n.a.
S 10	20 13	13 47	4 57	23 57	0 50	20 17	2 48	2 29	0 8	10 13	1 7	9 49	1 53	14 49	0 15	7 20	1 59	34 30	10 52	23 42	23 36	1 42			n.a.
S 11	20 0	9 13	5 9	23 58	1 1	20 28	2 44	2 12	0 9	10 14	1 7	9 50	1 53	14 49	0 15	7 19	1 59	34 30	10 52	23 41	23 36	1 40			n.a.
M12	19 46	4 21	5 6	23 57	1 11	20 39	2 39	1 54	0 10	10 16	1 7	9 51	1 52	14 50	0 15	7 19	1 59	34 30	10 52	23 41	23 36	1 37			n.a.
T 13	19 32	0s38	4 51	23 53	1 19	20 49	2 34	1 36	0 11	10 17	1 8	9 52	1 52	14 50	0 15	7 18	1 59	34 30	10 52	23 41	23 36	1 34			n.a.
W14	19 17	5 36	4 23	23 46	1 27	20 59	2 29	1 18	0 12	10 18	1 8	9 53	1 52	14 50	0 15	7 17	1 59	34 30	10 52	23 41	23 35	1 31			n.a.
T 15	19 2	10 24	3 44	23 37	1 33	21 9	2 24	1 0	0 13	10 20	1 8	9 55	1 52	14 50	0 15	7 16	1 59	34 30	10 52	23 41	23 35	1 28			n.a.
F 16	18 47	14 52	2 54	23 25	1 38	21 18	2 19	0 42	0 14	10 21	1 8	9 56	1 51	14 51	0 15	7 16	1 59	34 30	10 52	23 41	23 35	1 25			n.a.
S 17	18 32	18 50	1 55	23 10	1 43	21 27	2 14	0 24	0 14	10 22	1 8	9 57	1 51	14 51	0 15	7 15	1 59	34 30	10 51	23 41	23 35	1 22			n.a.
S 18	18 16	22 1	0 50	22 54	1 46	21 35	2 9	0 6	0 15	10 23	1 8	9 58	1 51	14 51	0 15	7 14	1 59	34 30	10 51	23 41	23 34	1 19			n.a.
M19	18 0	24 11	0s20	22 35	1 49	21 43	2 4	0s12	0 16	10 24	1 8	9 59	1 51	14 51	0 15	7 13	1 59	34 30	10 51	23 41	23 34	1 16			n.a.
T 20	17 43	25 2	1 31	22 13	1 51	21 50	1 59	0 30	0 17	10 25	1 8	10 1	1 51	14 52	0 15	7 13	1 59	34 30	10 51	23 41	23 34	1 13			n.a.
W21	17 27	24 22	2 39	21 50	1 52	21 57	1 54	0 48	0 18	10 25	1 8	10 2	1 50	14 52	0 15	7 12	1 59	34 30	10 51	23 41	23 34	1 10			n.a.
T 22	17 10	22 8	3 39	21 25	1 52	22 4	1 49	1 6	0 19	10 26	1 9	10 3	1 50	14 52	0 15	7 11	1 59	34 30	10 51	23 40	23 34	1 7			n.a.
F 23	16 52	18 25	4 25	20 57	1 52	22 9	1 44	1 24	0 19	10 27	1 9	10 4	1 50	14 52	0 15	7 10	1 59	34 30	10 51	23 40	23 33	1 5			n.a.
S 24	16 35	13 32	4 55	20 29	1 51	22 15	1 39	1 43	0 20	10 27	1 9	10 6	1 50	14 52	0 15	7 9	1 59	34 30	10 51	23 39	23 33	1 2			n.a.
S 25	16 17	7 49	5 5	19 58	1 50	22 19	1 34	2 1	0 21	10 28	1 9	10 7	1 49	14 52	0 15	7 9	1 59	34 30	10 51	23 39	23 33	0 59			n.a.
M26	15 58	1 42	4 55	19 26	1 48	22 24	1 29	2 19	0 22	10 28	1 9	10 9	1 49	14 52	0 15	7 8	1 59	34 30	10 50	23 38	23 33	0 56			n.a.
T 27	15 40	4n26	4 26	18 53	1 46	22 27	1 24	2 37	0 23	10 29	1 9	10 10	1 49	14 53	0 15	7 7	1 59	34 30	10 50	23 38	23 32	0 53			n.a.
W28	15 21	10 15	3 40	18 19	1 43	22 30	1 19	2 56	0 23	10 29	1 9	10 12	1 49	14 53	0 15	7 6	1 59	34 30	10 50	23 38	23 32	0 50			n.a.
T 29	15 2	15 26	2 42	17 44	1 40	22 33	1 14	3 14	0 24	10 29	1 9	10 13	1 48	14 53	0 15	7 5	1 59	34 29	10 50	23 38	23 32	0 47			n.a.
F 30	14 43	19 41	1 36	17 7	1 36	22 35	1 9	3 32	0 25	10 30	1 10	10 15	1 48	14 53	0 15	7 4	1 59	34 29	10 50	23 38	23 32	0 44			n.a.
S 31	14n23	22n48	0s26	16n30	1n32	22n36	1s 4	3s50	0s26	10n30	1s10	10s16	1n48	14n53	0s15	7n 4	1n59	34s29	10s50	23n38	23n31	0n41			n.a.

Julian Day Number = 1113128.5, Delta T = 10h50m13s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'49, Lahiri = -26°55'48 Julian Calendar 1 Aug. 1666 BCE == Greg. Calendar 18 July 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

SEPTEMBER 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 40 39	23♌ 8'36	0♋ 9	21♌52	8♋40	9♎16	29♈43	0♏49	10°R 6	17♍ 0	7°R22	21°R51	20♊13	9♎28	n.a.	S 1
M 2	21 44 35	24° 8'16	13° 5	23°36	9°47	10° 0	29°R43	0°53	10♉ 6	17° 2	7♑22	21♊49	20°10	9°35	n.a.	M 2
T 3	21 48 32	25° 7'59	25°50	25°19	10°54	10°44	29°43	0°57	10° 6	17° 4	7°21	21°44	20° 7	9°41	n.a.	T 3
W 4	21 52 28	26° 7'44	8♌24	27° 1	12° 2	11°28	29°43	1° 2	10° 6	17° 6	7°20	21°37	20° 4	9°48	n.a.	W 4
T 5	21 56 25	27° 7'31	20°48	28°42	13° 9	12°12	29°43	1° 6	10° 5	17° 8	7°19	21°26	20° 0	9°55	n.a.	T 5
F 6	22 0 21	28° 7'20	3♍ 4	0♍23	14°17	12°56	29°42	1°10	10° 5	17°10	7°19	21°14	19°57	10° 2	n.a.	F 6
S 7	22 4 18	29° 7'11	15°11	2° 4	15°25	13°40	29°41	1°15	10° 5	17°13	7°18	21° 1	19°54	10° 8	n.a.	S 7
S 8	22 8 14	0♍ 7'04	27°10	3°43	16°33	14°24	29°40	1°19	10° 4	17°15	7°17	20°48	19°51	10°15	n.a.	S 8
M 9	22 12 11	1° 7'00	9♎ 4	5°22	17°41	15° 9	29°39	1°23	10° 4	17°17	7°16	20°37	19°48	10°22	n.a.	M 9
T 10	22 16 8	2° 6'57	20°54	7° 0	18°50	15°53	29°37	1°28	10° 3	17°19	7°16	20°27	19°44	10°28	n.a.	T 10
W11	22 20 4	3° 6'56	2♏44	8°38	19°58	16°38	29°36	1°33	10° 3	17°21	7°15	20°21	19°41	10°35	n.a.	W11
T 12	22 24 1	4° 6'57	14°37	10°15	21° 7	17°22	29°34	1°37	10° 2	17°23	7°15	20°16	19°38	10°42	n.a.	T 12
F 13	22 27 57	5° 7'00	26°38	11°51	22°16	18° 7	29°32	1°42	10° 2	17°26	7°14	20°15	19°35	10°49	n.a.	F 13
S 14	22 31 54	6° 7'05	8♐52	13°27	23°25	18°51	29°30	1°47	10° 1	17°28	7°13	20°D14	19°32	10°55	n.a.	S 14
S 15	22 35 50	7° 7'11	21°24	15° 3	24°35	19°36	29°27	1°52	10° 0	17°30	7°13	20°R15	19°29	11° 2	n.a.	S 15
M16	22 39 47	8° 7'19	4♑20	16°38	25°44	20°21	29°25	1°57	9°59	17°32	7°12	20°14	19°25	11° 9	n.a.	M16
T 17	22 43 43	9° 7'29	17°44	18°12	26°54	21° 6	29°22	2° 2	9°59	17°35	7°12	20°11	19°22	11°15	n.a.	T 17
W18	22 47 40	10° 7'41	1♒38	19°46	28° 4	21°51	29°19	2° 7	9°58	17°37	7°11	20° 6	19°19	11°22	n.a.	W18
T 19	22 51 36	11° 7'55	16° 0	21°19	29°14	22°36	29°16	2°13	9°57	17°39	7°11	19°59	19°16	11°29	n.a.	T 19
F 20	22 55 33	12° 8'10	0♓48	22°52	0♌24	23°21	29°12	2°18	9°56	17°41	7°11	19°48	19°13	11°36	n.a.	F 20
S 21	22 59 30	13° 8'27	15°54	24°25	1°35	24° 6	29° 9	2°23	9°55	17°43	7°10	19°37	19°10	11°42	n.a.	S 21
S 22	23 3 26	14° 8'46	1♈ 7	25°57	2°45	24°51	29° 5	2°28	9°54	17°46	7°10	19°25	19° 6	11°49	n.a.	S 22
M23	23 7 23	15° 9'07	16°17	27°28	3°56	25°36	29° 1	2°34	9°52	17°48	7° 9	19°15	19° 3	11°56	n.a.	M23
T 24	23 11 19	16° 9'30	1♉13	28°59	5° 6	26°21	28°57	2°39	9°51	17°50	7° 9	19° 8	19° 0	12° 2	n.a.	T 24
W25	23 15 16	17° 9'55	15°49	0♎30	6°17	27° 7	28°52	2°45	9°50	17°52	7° 9	19° 3	18°57	12° 9	n.a.	W25
T 26	23 19 12	18°10'23	29°59	2° 0	7°28	27°52	28°48	2°51	9°49	17°55	7° 9	19° 0	18°54	12°16	n.a.	T 26
F 27	23 23 9	19°10'52	13♊46	3°30	8°40	28°37	28°43	2°56	9°47	17°57	7° 8	19° 0	18°50	12°23	n.a.	F 27
S 28	23 27 5	20°11'24	27° 8	4°59	9°51	29°23	28°38	3° 2	9°46	17°59	7° 8	19° 0	18°47	12°29	n.a.	S 28
S 29	23 31 2	21°11'57	10♋ 9	6°28	11° 2	0♏ 8	28°33	3° 8	9°45	18° 1	7° 8	18°59	18°44	12°36	n.a.	S 29
M30	23 34 59	22♍12'33	22♋54	7♎57	12♌14	0♏54	28♈28	3♏14	9♉43	18♍ 4	7♑ 8	18♊56	18♊41	12♎43	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n 3	24n37	0n44	15n52	1n28	22n37	0s59	4s 9	0s26	10n30	1s10	10s18	1n48	14n53	0s15	7n 3	1n59	34s29	10s50	23n38	23n31	0n38		n.a.
M 2	13 43	25 4	1 51	15 13	1 23	22 37	0 55	4 27	0 27	10 30	1 10	10 19	1 48	14 53	0 15	7 2	1 59	34 29	10 49	23 38	23 31	0 35		n.a.
T 3	13 23	24 10	2 50	14 33	1 18	22 36	0 50	4 45	0 28	10 30	1 10	10 21	1 47	14 53	0 15	7 1	1 59	34 29	10 49	23 38	23 31	0 32		n.a.
W 4	13 3	22 3	3 41	13 53	1 13	22 35	0 45	5 3	0 29	10 29	1 10	10 23	1 47	14 53	0 15	7 0	1 59	34 29	10 49	23 37	23 31	0 29		n.a.
T 5	12 42	18 55	4 20	13 12	1 8	22 33	0 41	5 21	0 29	10 29	1 10	10 24	1 47	14 52	0 15	6 59	1 59	34 29	10 49	23 36	23 30	0 26		n.a.
F 6	12 21	15 0	4 47	12 31	1 2	22 31	0 36	5 40	0 30	10 29	1 10	10 26	1 47	14 52	0 15	6 58	1 59	34 29	10 49	23 36	23 30	0 23		n.a.
S 7	12 0	10 32	5 0	11 49	0 57	22 28	0 31	5 58	0 31	10 28	1 10	10 28	1 47	14 52	0 15	6 58	1 59	34 28	10 49	23 35	23 30	0 20		n.a.
S 8	11 38	5 42	5 0	11 7	0 51	22 24	0 27	6 16	0 32	10 28	1 10	10 30	1 46	14 52	0 15	6 57	1 59	34 28	10 48	23 34	23 30	0 17		n.a.
M 9	11 17	0 43	4 46	10 24	0 45	22 20	0 22	6 34	0 32	10 28	1 11	10 31	1 46	14 52	0 15	6 56	1 59	34 28	10 48	23 33	23 29	0 15		n.a.
T 10	10 55	4s18	4 20	9 42	0 39	22 15	0 18	6 52	0 33	10 27	1 11	10 33	1 46	14 52	0 15	6 55	1 59	34 28	10 48	23 32	23 29	0 12		n.a.
W11	10 33	9 9	3 44	8 59	0 32	22 9	0 13	7 10	0 34	10 26	1 11	10 35	1 46	14 52	0 15	6 54	1 59	34 28	10 48	23 32	23 29	0 9		n.a.
T 12	10 11	13 43	2 57	8 16	0 26	22 3	0 9	7 28	0 34	10 25	1 11	10 37	1 46	14 51	0 15	6 53	1 59	34 28	10 48	23 32	23 29	0 6		n.a.
F 13	9 49	17 48	2 2	7 33	0 19	21 56	0 5	7 46	0 35	10 25	1 11	10 39	1 45	14 51	0 15	6 52	1 59	34 28	10 48	23 31	23 28	0 3		n.a.
S 14	9 26	21 12	1 0	6 49	0 13	21 48	0 1	8 4	0 36	10 24	1 11	10 40	1 45	14 51	0 15	6 51	1 59	34 27	10 47	23 31	23 28	0s 0		n.a.
S 15	9 4	23 42	0s 6	6 6	0 6	21 40	0n 3	8 22	0 36	10 23	1 11	10 42	1 45	14 51	0 15	6 50	1 59	34 27	10 47	23 31	23 28	0 3		n.a.
M16	8 41	25 3	1 14	5 22	0s 0	21 31	0 8	8 40	0 37	10 22	1 11	10 44	1 45	14 51	0 15	6 50	1 59	34 27	10 47	23 31	23 28	0 6		n.a.
T 17	8 18	25 0	2 20	4 39	0 7	21 22	0 12	8 58	0 38	10 21	1 11	10 46	1 45	14 50	0 15	6 49	1 59	34 27	10 47	23 31	23 27	0 9		n.a.
W18	7 55	23 25	3 20	3 55	0 13	21 12	0 16	9 16	0 38	10 20	1 11	10 48	1 44	14 50	0 15	6 48	1 59	34 27	10 47	23 31	23 27	0 12		n.a.
T 19	7 32	20 18	4 10	3 12	0 20	21 1	0 19	9 33	0 39	10 18	1 11	10 50	1 44	14 50	0 15	6 47	1 59	34 27	10 46	23 30	23 27	0 15		n.a.
F 20	7 8	15 48	4 44	2 28	0 27	20 49	0 23	9 51	0 40	10 17	1 11	10 52	1 44	14 49	0 15	6 46	1 59	34 26	10 46	23 29	23 27	0 18		n.a.
S 21	6 45	10 15	4 59	1 45	0 33	20 37	0 27	10 8	0 40	10 16	1 12	10 54	1 44	14 49	0 15	6 45	1 59	34 26	10 46	23 28	23 26	0 21		n.a.
S 22	6 21	4 2	4 54	1 2	0 40	20 25	0 31	10 26	0 41	10 14	1 12	10 56	1 44	14 49	0 15	6 44	1 59	34 26	10 46	23 28	23 26	0 24		n.a.
M23	5 57	2n24	4 28	0 19	0 47	20 11	0 34	10 43	0 42	10 13	1 12	10 58	1 44	14 48	0 15	6 43	1 59	34 26	10 46	23 27	23 26	0 27		n.a.
T 24	5 34	8 38	3 44	0s24	0 53	19 58	0 38	11 1	0 42	10 11	1 12	11 0	1 43	14 48	0 15	6 42	1 59	34 26	10 45	23 26	23 25	0 30		n.a.
W25	5 10	14 15	2 45	1 7	0 59	19 43	0 41	11 18	0 43	10 10	1 12	11 2	1 43	14 48	0 15	6 42	1 59	34 26	10 45	23 26	23 25	0 33		n.a.
T 26	4 46	18 56	1 39	1 49	1 6	19 28	0 45	11 35	0 43	10 8	1 12	11 5	1 43	14 47	0 15	6 41	1 59	34 25	10 45	23 25	23 25	0 36		n.a.
F 27	4 22	22 25	0 28	2 31	1 12	19 12	0 48	11 52	0 44	10 6	1 12	11 7	1 43	14 47	0 15	6 40	1 59	34 25	10 45	23 25	23 25	0 39		n.a.
S 28	3 57	24 34	0n43	3 13	1 18	18 56	0 51	12 9	0 45	10 5	1 12	11 9	1 43	14 46	0 15	6 39	1 59	34 25	10 44	23 25	23 24	0 42		n.a.
S 29	3 33	25 18	1 49	3 54	1 24	18 39	0 55	12 26	0 45	10 3	1 12	11 11	1 43	14 46	0 15	6 38	1 59	34 25	10 44	23 25	23 24	0 45		n.a.
M30	3n 9	24n40	2n49	4s35	1s30	18n22	0n58	12s43	0s46	10n 1	1s12	11s13	1n42	14n45	0s15	6n37	1n59	34s25	10s44	23n25	23n24	0s48		n.a.

Julian Day Number = 1113159.5, Delta T = 10h50m11s
Ecliptic obliquity = 23°53'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'44, Lahiri = -26°55'44 Julian Calendar 1 Sept. 1666 BCE == Greg. Calendar 18 Aug. 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

OCTOBER 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 38 55	23♍13'11	5♌24	9♎25	13♌26	1♏40	28°R23	3♏20	9°R42	18♍ 6	7°R 8	18°R50	18♊38	12♎49	n.a.	T 1
W 2	23 42 52	24°13'50	17°44	10°52	14°37	2°25	28♈17	3°25	9♉40	18° 8	7♉ 7	18♊42	18°35	12°56	n.a.	W 2
T 3	23 46 48	25°14'31	29°55	12°19	15°49	3°11	28°12	3°31	9°38	18°10	7° 7	18°30	18°31	13° 3	n.a.	T 3
F 4	23 50 45	26°15'14	11♍59	13°45	17° 1	3°57	28° 6	3°37	9°37	18°13	7° 7	18°16	18°28	13°10	n.a.	F 4
S 5	23 54 41	27°15'59	23°58	15°11	18°14	4°43	28° 0	3°44	9°35	18°15	7° 7	18° 1	18°25	13°16	n.a.	S 5
S 6	23 58 38	28°16'45	5♎52	16°36	19°26	5°29	27°54	3°50	9°33	18°17	7°D 7	17°47	18°22	13°23	n.a.	S 6
M 7	0 2 34	29°17'33	17°44	18° 0	20°38	6°15	27°47	3°56	9°32	18°19	7° 7	17°33	18°19	13°30	n.a.	M 7
T 8	0 6 31	0♎18'22	29°33	19°23	21°51	7° 1	27°41	4° 2	9°30	18°22	7° 7	17°22	18°16	13°36	n.a.	T 8
W 9	0 10 27	1°19'12	11♏24	20°46	23° 3	7°47	27°34	4° 8	9°28	18°24	7° 7	17°14	18°12	13°43	n.a.	W 9
T 10	0 14 24	2°20'04	23°17	22° 7	24°16	8°33	27°28	4°15	9°26	18°26	7° 7	17° 9	18° 9	13°50	n.a.	T 10
F 11	0 18 21	3°20'57	5♐18	23°27	25°28	9°19	27°21	4°21	9°24	18°28	7° 8	17° 6	18° 6	13°56	n.a.	F 11
S 12	0 22 17	4°21'51	17°30	24°46	26°41	10° 5	27°14	4°27	9°22	18°30	7° 8	17°D 6	18° 3	14° 3	n.a.	S 12
S 13	0 26 14	5°22'47	29°59	26° 3	27°54	10°52	27° 7	4°34	9°20	18°33	7° 8	17°R 6	18° 0	14°10	n.a.	S 13
M14	0 30 10	6°23'43	12♑48	27°18	29° 7	11°38	27° 0	4°40	9°18	18°35	7° 8	17° 6	17°56	14°17	n.a.	M14
T 15	0 34 7	7°24'41	26° 3	28°31	0♍20	12°24	26°52	4°47	9°16	18°37	7° 8	17° 4	17°53	14°23	n.a.	T 15
W16	0 38 3	8°25'39	9♒48	29°42	1°33	13°11	26°45	4°53	9°14	18°39	7° 9	17° 0	17°50	14°30	n.a.	W16
T 17	0 42 0	9°26'39	24° 3	0♏50	2°46	13°57	26°37	5° 0	9°12	18°41	7° 9	16°54	17°47	14°37	n.a.	T 17
F 18	0 45 57	10°27'39	8♓46	1°55	4° 0	14°43	26°30	5° 6	9°10	18°43	7° 9	16°46	17°44	14°43	n.a.	F 18
S 19	0 49 53	11°28'40	23°52	2°56	5°13	15°30	26°22	5°13	9° 8	18°45	7°10	16°36	17°41	14°50	n.a.	S 19
S 20	0 53 50	12°29'42	9♈12	3°54	6°26	16°16	26°15	5°20	9° 5	18°48	7°10	16°25	17°37	14°57	n.a.	S 20
M21	0 57 46	13°30'45	24°33	4°47	7°40	17° 3	26° 7	5°26	9° 3	18°50	7°10	16°16	17°34	15° 4	n.a.	M21
T 22	1 1 43	14°31'50	9♉45	5°34	8°53	17°49	25°59	5°33	9° 1	18°52	7°11	16° 9	17°31	15°10	n.a.	T 22
W23	1 5 39	15°32'55	24°37	6°16	10° 7	18°36	25°51	5°40	8°59	18°54	7°11	16° 5	17°28	15°17	n.a.	W23
T 24	1 9 36	16°34'02	9♊ 4	6°51	11°21	19°23	25°43	5°47	8°56	18°56	7°12	16° 3	17°25	15°24	n.a.	T 24
F 25	1 13 32	17°35'10	23° 2	7°19	12°34	20° 9	25°35	5°53	8°54	18°58	7°12	16°D 3	17°21	15°30	n.a.	F 25
S 26	1 17 29	18°36'20	6♋33	7°38	13°48	20°56	25°27	6° 0	8°52	19° 0	7°13	16° 4	17°18	15°37	n.a.	S 26
S 27	1 21 26	19°37'30	19°38	7°48	15° 2	21°43	25°19	6° 7	8°49	19° 2	7°13	16°R 4	17°15	15°44	n.a.	S 27
M28	1 25 22	20°38'42	2♌21	7°R48	16°16	22°30	25°11	6°14	8°47	19° 4	7°14	16° 4	17°12	15°51	n.a.	M28
T 29	1 29 19	21°39'54	14°47	7°37	17°30	23°16	25° 3	6°21	8°44	19° 6	7°14	16° 1	17° 9	15°57	n.a.	T 29
W30	1 33 15	22°41'08	26°59	7°15	18°44	24° 3	24°54	6°28	8°42	19° 8	7°15	15°55	17° 6	16° 4	n.a.	W30
T 31	1 37 12	23♎42'22	9♍ 2	6♏42	19♍58	24♏50	24♈46	6♏35	8♉40	19♍10	7♉16	15♊48	17♊ 2	16♎11	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	2n44	22n48	3n39	5s16	1s36	18n 4	1n 1	13s 0	0s46	9n59	1s12	11s15	1n42	14n45	0s15	6n36	1n59	34s24	10s44	23n25	23n24	0s51			n.a.
W 2	2 20	19 53	4 18	5 56	1 42	17 46	1 4	13 16	0 47	9 57	1 12	11 18	1 42	14 44	0 15	6 35	1 59	34 24	10 44	23 24	23 23	0 54			n.a.
T 3	1 56	16 8	4 44	6 36	1 47	17 27	1 6	13 33	0 48	9 55	1 12	11 20	1 42	14 44	0 15	6 34	1 59	34 24	10 43	23 23	23 23	0 57			n.a.
F 4	1 31	11 46	4 58	7 15	1 52	17 7	1 9	13 49	0 48	9 53	1 12	11 22	1 42	14 43	0 15	6 34	1 59	34 24	10 43	23 22	23 23	1 0			n.a.
S 5	1 6	6 59	4 58	7 53	1 58	16 47	1 12	14 6	0 49	9 50	1 12	11 24	1 42	14 43	0 15	6 33	1 59	34 23	10 43	23 20	23 22	1 3			n.a.
S 6	0 42	1 58	4 45	8 31	2 2	16 27	1 14	14 22	0 49	9 48	1 12	11 26	1 42	14 42	0 15	6 32	1 59	34 23	10 43	23 19	23 22	1 6			n.a.
M 7	0 17	3s 6	4 20	9 8	2 7	16 6	1 17	14 38	0 50	9 46	1 12	11 29	1 41	14 42	0 15	6 31	1 59	34 23	10 42	23 18	23 22	1 9			n.a.
T 8	0s 7	8 3	3 43	9 45	2 11	15 44	1 19	14 54	0 50	9 43	1 12	11 31	1 41	14 41	0 15	6 30	1 59	34 23	10 42	23 17	23 22	1 11			n.a.
W 9	0 32	12 44	2 57	10 20	2 15	15 22	1 22	15 10	0 51	9 41	1 12	11 33	1 41	14 40	0 15	6 29	1 59	34 23	10 42	23 16	23 21	1 14			n.a.
T 10	0 57	16 58	2 3	10 54	2 19	15 0	1 24	15 26	0 51	9 39	1 12	11 35	1 41	14 40	0 15	6 28	1 59	34 22	10 42	23 15	23 21	1 17			n.a.
F 11	1 21	20 34	1 2	11 28	2 22	14 37	1 26	15 41	0 52	9 36	1 12	11 38	1 41	14 39	0 15	6 27	1 59	34 22	10 42	23 15	23 21	1 20			n.a.
S 12	1 46	23 20	0s 2	12 0	2 25	14 13	1 28	15 57	0 52	9 34	1 12	11 40	1 41	14 39	0 15	6 27	1 59	34 22	10 41	23 15	23 20	1 23			n.a.
S 13	2 11	25 1	1 8	12 31	2 27	13 50	1 30	16 12	0 53	9 31	1 12	11 42	1 41	14 38	0 15	6 26	1 59	34 22	10 41	23 15	23 20	1 26			n.a.
M14	2 35	25 27	2 12	13 1	2 29	13 26	1 32	16 27	0 53	9 29	1 12	11 45	1 40	14 37	0 15	6 25	1 59	34 21	10 41	23 15	23 20	1 29			n.a.
T 15	3 0	24 28	3 11	13 29	2 30	13 1	1 33	16 42	0 54	9 26	1 12	11 47	1 40	14 37	0 15	6 24	1 59	34 21	10 41	23 15	23 20	1 32			n.a.
W16	3 24	22 0	4 2	13 55	2 31	12 36	1 35	16 57	0 54	9 23	1 12	11 49	1 40	14 36	0 15	6 23	1 59	34 21	10 40	23 14	23 19	1 35			n.a.
T 17	3 49	18 8	4 39	14 20	2 31	12 11	1 37	17 12	0 55	9 21	1 12	11 52	1 40	14 35	0 15	6 22	1 59	34 21	10 40	23 14	23 19	1 38			n.a.
F 18	4 13	13 3	5 0	14 42	2 30	11 45	1 38	17 26	0 55	9 18	1 12	11 54	1 40	14 35	0 15	6 22	1 59	34 20	10 40	23 13	23 19	1 41			n.a.
S 19	4 37	7 3	5 0	15 3	2 29	11 19	1 40	17 40	0 56	9 15	1 12	11 56	1 40	14 34	0 15	6 21	1 59	34 20	10 40	23 12	23 18	1 44			n.a.
S 20	5 2	0 34	4 40	15 21	2 27	10 52	1 41	17 55	0 56	9 12	1 12	11 59	1 40	14 33	0 15	6 20	1 59	34 20	10 40	23 11	23 18	1 47			n.a.
M21	5 26	6n 0	3 59	15 36	2 23	10 26	1 42	18 9	0 57	9 9	1 12	12 1	1 40	14 32	0 15	6 19	1 59	34 20	10 39	23 10	23 18	1 50			n.a.
T 22	5 50	12 9	3 1	15 48	2 19	9 59	1 43	18 22	0 57	9 7	1 12	12 3	1 40	14 32	0 15	6 18	1 59	34 19	10 39	23 9	23 17	1 53			n.a.
W23	6 14	17 28	1 52	15 58	2 14	9 31	1 44	18 36	0 57	9 4	1 11	12 6	1 39	14 31	0 15	6 18	1 59	34 19	10 39	23 9	23 17	1 56			n.a.
T 24	6 38	21 37	0 37	16 3	2 7	9 4	1 45	18 50	0 58	9 1	1 11	12 8	1 39	14 30	0 15	6 17	1 59	34 19	10 39	23 9	23 17	1 59			n.a.
F 25	7 2	24 19	0n37	16 5	1 59	8 36	1 46	19 3	0 58	8 58	1 11	12 11	1 39	14 29	0 15	6 16	1 59	34 19	10 38	23 9	23 17	2 2			n.a.
S 26	7 25	25 31	1 47	16 3	1 50	8 8	1 47	19 16	0 59	8 55	1 11	12 13	1 39	14 29	0 15	6 15	1 59	34 18	10 38	23 9	23 16	2 5			n.a.
S 27	7 49	25 13	2 50	15 56	1 39	7 39	1 48	19 29	0 59	8 52	1 11	12 15	1 39	14 28	0 15	6 14	1 59	34 18	10 38	23 9	23 16	2 8			n.a.
M28	8 13	23 36	3 42	15 44	1 27	7 10	1 48	19 42	0 59	8 49	1 11	12 18	1 39	14 27	0 15	6 14	1 59	34 18	10 38	23 9	23 16	2 11			n.a.
T 29	8 36	20 52	4 22	15 27	1 13	6 42	1 49	19 54	1 0	8 46	1 11	12 20	1 39	14 26	0 15	6 13	1 59	34 18	10 38	23 8	23 15	2 14			n.a.
W30	8 59	17 16	4 50	15 5	0 57	6 12	1 49	20 6	1 0	8 44	1 11	12 22	1 39	14 26	0 15	6 12	1 59	34 17	10 37	23 8	23 15	2 17			n.a.
T 31	9s22	13n 0	5n 4	14s38	0s40	5n43	1n50	20s19	1s 0	8n41	1s11	12s25	1n39	14n25	0s15	6n11	1n59	34s17	10s37	23n 7	23n15	2s20			n.a.

Julian Day Number = 1113189.5, Delta T = 10h50m09s
Ecliptic obliquity = 23°53'22, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'40, Lahiri = -26°55'40 Julian Calendar 1 Oct. 1666 BCE == Greg. Calendar 17 Sept. 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

NOVEMBER 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 41 8	24♎43'37	20♍59	5°R57	21♍12	25♏37	24°R38	6♏41	8°R37	19♍12	7♑16	15°R38	16♊59	16♎17	n.a.	F 1
S 2	1 45 5	25°44'54	2♎52	5♏ 2	22°26	26°24	24♈30	6°48	8♉35	19°14	7°17	15♊28	16°56	16°24	n.a.	S 2
S 3	1 49 1	26°46'10	14°43	3°57	23°41	27°11	24°22	6°55	8°32	19°16	7°18	15°18	16°53	16°31	n.a.	S 3
M 4	1 52 58	27°47'28	26°34	2°44	24°55	27°58	24°13	7° 2	8°30	19°17	7°18	15° 8	16°50	16°37	n.a.	M 4
T 5	1 56 55	28°48'45	8♏26	1°25	26° 9	28°45	24° 5	7° 9	8°27	19°19	7°19	15° 1	16°47	16°44	n.a.	T 5
W 6	2 0 51	29°50'04	20°22	0° 3	27°23	29°32	23°57	7°16	8°25	19°21	7°20	14°55	16°43	16°51	n.a.	W 6
T 7	2 4 48	0♏51'23	2♐22	28♎40	28°38	0♐19	23°49	7°23	8°22	19°23	7°21	14°52	16°40	16°58	n.a.	T 7
F 8	2 8 44	1°52'42	14°30	27°20	29°52	1° 6	23°41	7°30	8°19	19°25	7°22	14°D51	16°37	17° 4	n.a.	F 8
S 9	2 12 41	2°54'01	26°48	26° 5	1♏ 7	1°53	23°33	7°37	8°17	19°26	7°23	14°52	16°34	17°11	n.a.	S 9
S 10	2 16 37	3°55'20	9♑19	24°57	2°21	2°40	23°25	7°44	8°14	19°28	7°24	14°53	16°31	17°18	n.a.	S 10
M11	2 20 34	4°56'39	22° 8	23°57	3°35	3°27	23°17	7°51	8°12	19°30	7°24	14°55	16°27	17°24	n.a.	M11
T 12	2 24 31	5°57'59	5♒19	23° 8	4°50	4°14	23° 9	7°58	8° 9	19°32	7°25	14°R56	16°24	17°31	n.a.	T 12
W13	2 28 27	6°59'18	18°53	22°28	6° 4	5° 1	23° 2	8° 6	8° 7	19°33	7°26	14°55	16°21	17°38	n.a.	W13
T 14	2 32 24	8° 0'37	2♓54	22° 0	7°19	5°49	22°54	8°13	8° 4	19°35	7°27	14°53	16°18	17°45	n.a.	T 14
F 15	2 36 20	9° 1'55	17°20	21°42	8°33	6°36	22°46	8°20	8° 1	19°37	7°28	14°49	16°15	17°51	n.a.	F 15
S 16	2 40 17	10° 3'14	2♈ 9	21°D35	9°48	7°23	22°39	8°27	7°59	19°38	7°29	14°44	16°12	17°58	n.a.	S 16
S 17	2 44 13	11° 4'32	17°14	21°37	11° 3	8°10	22°32	8°34	7°56	19°40	7°30	14°38	16° 8	18° 5	n.a.	S 17
M18	2 48 10	12° 5'50	2♉26	21°48	12°17	8°57	22°24	8°41	7°54	19°41	7°31	14°34	16° 5	18°11	n.a.	M18
T 19	2 52 6	13° 7'08	17°35	22° 7	13°32	9°45	22°17	8°48	7°51	19°43	7°33	14°30	16° 2	18°18	n.a.	T 19
W20	2 56 3	14° 8'26	2♊32	22°34	14°47	10°32	22°10	8°55	7°48	19°44	7°34	14°28	15°59	18°25	n.a.	W20
T 21	3 0 0	15° 9'44	17° 7	23° 7	16° 1	11°19	22° 3	9° 2	7°46	19°46	7°35	14°D27	15°56	18°31	n.a.	T 21
F 22	3 3 56	16°11'02	1♋17	23°46	17°16	12° 6	21°56	9° 9	7°43	19°47	7°36	14°28	15°53	18°38	n.a.	F 22
S 23	3 7 53	17°12'20	14°59	24°30	18°31	12°53	21°49	9°16	7°41	19°49	7°37	14°30	15°49	18°45	n.a.	S 23
S 24	3 11 49	18°13'38	28°14	25°20	19°45	13°41	21°43	9°23	7°38	19°50	7°38	14°31	15°46	18°52	n.a.	S 24
M25	3 15 46	19°14'56	11♌ 4	26°13	21° 0	14°28	21°36	9°30	7°36	19°51	7°40	14°33	15°43	18°58	n.a.	M25
T 26	3 19 42	20°16'13	23°33	27°11	22°15	15°15	21°30	9°37	7°33	19°53	7°41	14°R33	15°40	19° 5	n.a.	T 26
W27	3 23 39	21°17'31	5♍46	28°11	23°30	16° 2	21°24	9°44	7°31	19°54	7°42	14°32	15°37	19°12	n.a.	W27
T 28	3 27 36	22°18'48	17°48	29°15	24°44	16°50	21°18	9°51	7°28	19°55	7°43	14°30	15°33	19°18	n.a.	T 28
F 29	3 31 32	23°20'05	29°42	0♏21	25°59	17°37	21°12	9°58	7°26	19°57	7°45	14°27	15°30	19°25	n.a.	F 29
S 30	3 35 29	24♏21'22	11♎32	1♏30	27♎14	18♐24	21♈ 6	10♏ 5	7♉23	19♍58	7♑46	14♊24	15♊27	19♎32	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s45	8n17	5n 5	14s 6	0s22	5n14	1n50	20s31	1s 1	8n38	1s10	12s27	1n39	14n24	0s15	6n11	1n59	34s17	10s37	23n 6	23n14	2s23		n.a.
S 2	10 8	3 18	4 52	13 29	0 3	4 44	1 50	20 42	1 1	8 35	1 10	12 30	1 38	14 23	0 15	6 10	1 59	34 17	10 37	23 5	23 14	2 26		n.a.
S 3	10 31	1s49	4 27	12 48	0n18	4 14	1 50	20 54	1 2	8 32	1 10	12 32	1 38	14 22	0 15	6 9	1 59	34 16	10 37	23 4	23 14	2 29		n.a.
M 4	10 53	6 52	3 50	12 3	0 38	3 44	1 50	21 5	1 2	8 29	1 10	12 34	1 38	14 22	0 15	6 8	1 59	34 16	10 36	23 3	23 13	2 32		n.a.
T 5	11 15	11 41	3 4	11 16	0 59	3 14	1 50	21 16	1 2	8 26	1 10	12 37	1 38	14 21	0 15	6 8	2 0	34 16	10 36	23 2	23 13	2 35		n.a.
W 6	11 37	16 7	2 9	10 29	1 18	2 44	1 50	21 27	1 3	8 23	1 10	12 39	1 38	14 20	0 15	6 7	2 0	34 16	10 36	23 1	23 13	2 38		n.a.
T 7	11 59	19 56	1 7	9 42	1 37	2 13	1 49	21 37	1 3	8 20	1 10	12 42	1 38	14 19	0 15	6 6	2 0	34 15	10 36	23 1	23 12	2 41		n.a.
F 8	12 21	22 56	0 2	8 57	1 54	1 43	1 49	21 48	1 3	8 17	1 9	12 44	1 38	14 18	0 15	6 6	2 0	34 15	10 36	23 1	23 12	2 44		n.a.
S 9	12 42	24 55	1s 4	8 15	2 9	1 12	1 49	21 58	1 3	8 15	1 9	12 46	1 38	14 17	0 15	6 5	2 0	34 15	10 35	23 1	23 12	2 47		n.a.
S 10	13 4	25 42	2 9	7 38	2 23	0 42	1 48	22 8	1 4	8 12	1 9	12 49	1 38	14 17	0 15	6 4	2 0	34 15	10 35	23 1	23 11	2 50		n.a.
M11	13 25	25 8	3 9	7 5	2 34	0 11	1 48	22 17	1 4	8 9	1 9	12 51	1 38	14 16	0 15	6 4	2 0	34 14	10 35	23 1	23 11	2 53		n.a.
T 12	13 46	23 10	4 0	6 39	2 42	0s20	1 47	22 27	1 4	8 6	1 9	12 53	1 38	14 15	0 15	6 3	2 0	34 14	10 35	23 1	23 11	2 56		n.a.
W13	14 6	19 52	4 40	6 18	2 49	0 50	1 46	22 36	1 5	8 3	1 8	12 56	1 38	14 14	0 15	6 3	2 0	34 14	10 35	23 1	23 10	2 59		n.a.
T 14	14 26	15 21	5 5	6 3	2 54	1 21	1 45	22 45	1 5	8 1	1 8	12 58	1 38	14 13	0 15	6 2	2 0	34 14	10 34	23 1	23 10	3 2		n.a.
F 15	14 47	9 51	5 11	5 54	2 56	1 52	1 44	22 53	1 5	7 58	1 8	13 0	1 38	14 12	0 15	6 1	2 0	34 13	10 34	23 0	23 10	3 5		n.a.
S 16	15 6	3 40	4 57	5 50	2 57	2 22	1 43	23 1	1 5	7 55	1 8	13 3	1 38	14 12	0 15	6 1	2 0	34 13	10 34	23 0	23 9	3 8		n.a.
S 17	15 26	2n51	4 23	5 51	2 57	2 53	1 42	23 10	1 6	7 53	1 8	13 5	1 38	14 11	0 15	6 0	2 0	34 13	10 34	22 59	23 9	3 11		n.a.
M18	15 45	9 16	3 30	5 57	2 55	3 24	1 41	23 17	1 6	7 50	1 7	13 7	1 37	14 10	0 15	6 0	2 0	34 13	10 34	22 59	23 9	3 14		n.a.
T 19	16 4	15 8	2 22	6 7	2 53	3 54	1 40	23 25	1 6	7 48	1 7	13 10	1 37	14 9	0 15	5 59	2 0	34 13	10 33	22 58	23 8	3 17		n.a.
W20	16 23	20 0	1 5	6 20	2 49	4 25	1 39	23 32	1 6	7 45	1 7	13 12	1 37	14 8	0 15	5 58	2 0	34 12	10 33	22 58	23 8	3 20		n.a.
T 21	16 41	23 30	0n15	6 37	2 44	4 55	1 38	23 39	1 6	7 43	1 7	13 14	1 37	14 7	0 15	5 58	2 0	34 12	10 33	22 58	23 8	3 23		n.a.
F 22	16 59	25 24	1 31	6 56	2 39	5 26	1 36	23 46	1 7	7 41	1 7	13 17	1 37	14 7	0 15	5 57	2 0	34 12	10 33	22 58	23 7	3 26		n.a.
S 23	17 17	25 40	2 40	7 18	2 33	5 56	1 35	23 52	1 7	7 38	1 6	13 19	1 37	14 6	0 15	5 57	2 0	34 12	10 33	22 58	23 7	3 29		n.a.
S 24	17 35	24 27	3 38	7 42	2 27	6 26	1 33	23 59	1 7	7 36	1 6	13 21	1 37	14 5	0 15	5 56	2 1	34 11	10 33	22 58	23 7	3 32		n.a.
M25	17 52	21 59	4 23	8 8	2 20	6 56	1 32	24 5	1 7	7 34	1 6	13 24	1 37	14 4	0 15	5 56	2 1	34 11	10 33	22 58	23 6	3 35		n.a.
T 26	18 9	18 32	4 54	8 36	2 13	7 26	1 30	24 10	1 7	7 31	1 6	13 26	1 37	14 3	0 15	5 55	2 1	34 11	10 32	22 59	23 6	3 38		n.a.
W27	18 25	14 22	5 11	9 5	2 6	7 55	1 28	24 16	1 7	7 29	1 5	13 28	1 37	14 2	0 15	5 55	2 1	34 11	10 32	22 58	23 6	3 41		n.a.
T 28	18 41	9 43	5 14	9 35	1 58	8 25	1 27	24 21	1 8	7 27	1 5	13 30	1 37	14 2	0 15	5 54	2 1	34 10	10 32	22 58	23 5	3 44		n.a.
F 29	18 57	4 45	5 4	10 6	1 50	8 54	1 25	24 25	1 8	7 25	1 5	13 33	1 37	14 1	0 15	5 54	2 1	34 10	10 32	22 58	23 5	3 47		n.a.
S 30	19s13	0s22	4n40	10s37	1n42	9s23	1n23	24s30	1s 8	7n23	1s 5	13s35	1n37	14n 0	0s15	5n54	2n 1	34s10	10s32	22n57	23n 5	3s50		n.a.

Julian Day Number = 1113220.5, Delta T = 10h50m08s
Ecliptic obliquity = 23°53'22, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'36, Lahiri = -26°55'36 Julian Calendar 1 Nov. 1666 BCE == Greg. Calendar 18 Oct. 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1666 BCE
geocentric

DECEMBER 1666 BCE (-1665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 39 25	25♏22'39	23♎22	2♏41	28♎29	19♐12	21°R 0	10♏11	7°R21	19♍59	7♑47	14°R20	15♊24	19♎38	n.a.	S 1
M 2	3 43 22	26°23'55	5♏15	3°54	29°43	19°59	20♈55	10°18	7♉19	20° 0	7°49	14♊17	15°21	19°45	n.a.	M 2
T 3	3 47 18	27°25'10	17°12	5° 9	0♏58	20°46	20°50	10°25	7°16	20° 1	7°50	14°15	15°18	19°52	n.a.	T 3
W 4	3 51 15	28°26'25	29°16	6°25	2°13	21°33	20°45	10°32	7°14	20° 2	7°51	14°13	15°14	19°59	n.a.	W 4
T 5	3 55 11	29°27'39	11♐29	7°43	3°28	22°21	20°40	10°39	7°11	20° 4	7°53	14°D13	15°11	20° 5	n.a.	T 5
F 6	3 59 8	0♐28'53	23°51	9° 2	4°43	23° 8	20°35	10°46	7° 9	20° 5	7°54	14°13	15° 8	20°12	n.a.	F 6
S 7	4 3 5	1°30'05	6♑24	10°22	5°58	23°55	20°30	10°52	7° 7	20° 6	7°56	14°14	15° 5	20°19	n.a.	S 7
S 8	4 7 1	2°31'17	19°10	11°43	7°12	24°42	20°26	10°59	7° 5	20° 7	7°57	14°15	15° 2	20°25	n.a.	S 8
M 9	4 10 58	3°32'27	2♒10	13° 6	8°27	25°30	20°22	11° 6	7° 2	20° 8	7°58	14°16	14°58	20°32	n.a.	M 9
T 10	4 14 54	4°33'36	15°26	14°29	9°42	26°17	20°18	11°13	7° 0	20° 8	8° 0	14°17	14°55	20°39	n.a.	T 10
W11	4 18 51	5°34'44	29° 0	15°54	10°57	27° 4	20°14	11°19	6°58	20° 9	8° 1	14°17	14°52	20°45	n.a.	W11
T 12	4 22 47	6°35'51	12♓52	17°19	12°12	27°51	20°10	11°26	6°56	20°10	8° 3	14°R17	14°49	20°52	n.a.	T 12
F 13	4 26 44	7°36'56	27° 2	18°45	13°26	28°39	20° 7	11°32	6°54	20°11	8° 4	14°17	14°46	20°59	n.a.	F 13
S 14	4 30 41	8°38'00	11♈28	20°12	14°41	29°26	20° 4	11°39	6°51	20°12	8° 6	14°16	14°43	21° 6	n.a.	S 14
S 15	4 34 37	9°39'03	26° 8	21°39	15°56	0♑13	20° 1	11°45	6°49	20°13	8° 7	14°16	14°39	21°12	n.a.	S 15
M16	4 38 34	10°40'04	10♉55	23° 8	17°11	1° 0	19°58	11°52	6°47	20°13	8° 9	14°15	14°36	21°19	n.a.	M16
T 17	4 42 30	11°41'04	25°42	24°37	18°25	1°47	19°55	11°58	6°45	20°14	8°11	14°15	14°33	21°26	n.a.	T 17
W18	4 46 27	12°42'02	10♊23	26° 7	19°40	2°34	19°53	12° 5	6°43	20°15	8°12	14°D15	14°30	21°32	n.a.	W18
T 19	4 50 23	13°43'00	24°51	27°37	20°55	3°21	19°50	12°11	6°42	20°15	8°14	14°15	14°27	21°39	n.a.	T 19
F 20	4 54 20	14°43'56	9♋ 0	29° 9	22°10	4° 9	19°48	12°17	6°40	20°16	8°15	14°R15	14°24	21°46	n.a.	F 20
S 21	4 58 17	15°44'51	22°45	0♐41	23°24	4°56	19°46	12°24	6°38	20°16	8°17	14°15	14°20	21°52	n.a.	S 21
S 22	5 2 13	16°45'45	6♌ 7	2°13	24°39	5°43	19°45	12°30	6°36	20°17	8°19	14°14	14°17	21°59	n.a.	S 22
M23	5 6 10	17°46'38	19° 4	3°47	25°54	6°30	19°43	12°36	6°34	20°17	8°20	14°14	14°14	22° 6	n.a.	M23
T 24	5 10 6	18°47'30	1♍40	5°21	27° 9	7°17	19°42	12°42	6°32	20°18	8°22	14°14	14°11	22°13	n.a.	T 24
W25	5 14 3	19°48'20	13°58	6°56	28°23	8° 4	19°41	12°49	6°31	20°18	8°23	14°13	14° 8	22°19	n.a.	W25
T 26	5 17 59	20°49'09	26° 1	8°32	29°38	8°51	19°40	12°55	6°29	20°19	8°25	14°D13	14° 4	22°26	n.a.	T 26
F 27	5 21 56	21°49'57	7♎56	10° 8	0♐53	9°38	19°39	13° 1	6°28	20°19	8°27	14°14	14° 1	22°33	n.a.	F 27
S 28	5 25 52	22°50'44	19°46	11°45	2° 8	10°25	19°39	13° 7	6°26	20°19	8°28	14°14	13°58	22°39	n.a.	S 28
S 29	5 29 49	23°51'29	1♏37	13°23	3°22	11°12	19°39	13°13	6°24	20°20	8°30	14°15	13°55	22°46	n.a.	S 29
M30	5 33 46	24°52'13	13°32	15° 2	4°37	11°58	19°D39	13°18	6°23	20°20	8°32	14°16	13°52	22°53	n.a.	M30
T 31	5 37 42	25♐52'56	25♏34	16♐42	5♐52	12♑45	19♈39	13♏24	6♉22	20♍20	8♑33	14♊17	13♊49	22♎59	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19s28	5s28	4n 5	11s10	1n34	9s52	1n21	24s34	1s 8	7n21	1s 4	13s37	1n37	13n59	0s15	5n53	2n 1	34s10	10s32	22n57	23n 4	3s53			n.a.
M 2	19 43	10 24	3 19	11 42	1 26	10 21	1 19	24 38	1 8	7 20	1 4	13 39	1 37	13 58	0 15	5 53	2 1	34 10	10 32	22 57	23 4	3 57			n.a.
T 3	19 57	15 0	2 24	12 15	1 18	10 49	1 17	24 42	1 8	7 18	1 4	13 41	1 37	13 58	0 15	5 52	2 1	34 9	10 31	22 56	23 4	4 0			n.a.
W 4	20 11	19 3	1 22	12 49	1 10	11 18	1 15	24 45	1 8	7 16	1 3	13 44	1 37	13 57	0 15	5 52	2 1	34 9	10 31	22 56	23 3	4 3			n.a.
T 5	20 25	22 20	0 15	13 22	1 2	11 46	1 13	24 48	1 8	7 15	1 3	13 46	1 37	13 56	0 15	5 52	2 1	34 9	10 31	22 56	23 3	4 6			n.a.
F 6	20 38	24 38	0s53	13 55	0 54	12 13	1 11	24 51	1 9	7 13	1 3	13 48	1 37	13 55	0 15	5 51	2 1	34 9	10 31	22 56	23 3	4 9			n.a.
S 7	20 51	25 44	2 0	14 29	0 46	12 41	1 9	24 53	1 9	7 12	1 3	13 50	1 37	13 55	0 15	5 51	2 1	34 8	10 31	22 56	23 2	4 12			n.a.
S 8	21 3	25 29	3 2	15 2	0 38	13 8	1 7	24 55	1 9	7 10	1 2	13 52	1 37	13 54	0 15	5 51	2 1	34 8	10 31	22 56	23 2	4 15			n.a.
M 9	21 15	23 52	3 56	15 35	0 30	13 34	1 4	24 57	1 9	7 9	1 2	13 54	1 37	13 53	0 15	5 50	2 2	34 8	10 31	22 56	23 1	4 18			n.a.
T 10	21 27	20 55	4 38	16 8	0 22	14 1	1 2	24 59	1 9	7 7	1 2	13 56	1 37	13 52	0 15	5 50	2 2	34 8	10 31	22 57	23 1	4 21			n.a.
W11	21 38	16 48	5 6	16 40	0 15	14 27	1 0	25 0	1 9	7 6	1 1	13 58	1 37	13 52	0 15	5 50	2 2	34 8	10 31	22 57	23 1	4 24			n.a.
T 12	21 49	11 43	5 17	17 12	0 7	14 52	0 58	25 1	1 9	7 5	1 1	14 0	1 37	13 51	0 15	5 49	2 2	34 7	10 30	22 57	23 0	4 27			n.a.
F 13	21 59	5 55	5 9	17 44	0s 0	15 17	0 55	25 2	1 9	7 4	1 1	14 3	1 37	13 50	0 15	5 49	2 2	34 7	10 30	22 57	23 0	4 30			n.a.
S 14	22 9	0n18	4 42	18 15	0 8	15 42	0 53	25 2	1 9	7 3	1 1	14 5	1 37	13 50	0 15	5 49	2 2	34 7	10 30	22 57	23 0	4 33			n.a.
S 15	22 19	6 36	3 57	18 46	0 15	16 7	0 50	25 2	1 9	7 2	1 0	14 7	1 37	13 49	0 15	5 49	2 2	34 7	10 30	22 56	22 59	4 36			n.a.
M16	22 28	12 37	2 55	19 15	0 22	16 31	0 48	25 2	1 9	7 1	1 0	14 9	1 37	13 48	0 15	5 48	2 2	34 7	10 30	22 56	22 59	4 39			n.a.
T 17	22 37	17 55	1 41	19 45	0 29	16 54	0 46	25 2	1 9	7 1	1 0	14 11	1 37	13 48	0 15	5 48	2 2	34 7	10 30	22 56	22 59	4 42			n.a.
W18	22 45	22 4	0 21	20 13	0 36	17 18	0 43	25 1	1 9	7 0	0 59	14 13	1 37	13 47	0 15	5 48	2 2	34 6	10 30	22 56	22 58	4 45			n.a.
T 19	22 52	24 46	0n59	20 41	0 42	17 40	0 41	25 0	1 9	6 59	0 59	14 14	1 37	13 46	0 15	5 48	2 2	34 6	10 30	22 56	22 58	4 48			n.a.
F 20	23 0	25 48	2 13	21 8	0 48	18 2	0 38	24 58	1 9	6 59	0 59	14 16	1 37	13 46	0 15	5 48	2 2	34 6	10 30	22 56	22 57	4 51			n.a.
S 21	23 7	25 11	3 18	21 34	0 55	18 24	0 36	24 57	1 9	6 58	0 59	14 18	1 37	13 45	0 15	5 48	2 2	34 6	10 30	22 56	22 57	4 54			n.a.
S 22	23 13	23 7	4 10	21 59	1 1	18 45	0 33	24 55	1 9	6 58	0 58	14 20	1 37	13 45	0 15	5 47	2 2	34 6	10 30	22 56	22 57	4 57			n.a.
M23	23 19	19 55	4 47	22 23	1 6	19 6	0 30	24 52	1 9	6 58	0 58	14 22	1 37	13 44	0 15	5 47	2 3	34 6	10 30	22 56	22 56	5 0			n.a.
T 24	23 24	15 53	5 10	22 46	1 12	19 26	0 28	24 50	1 9	6 58	0 58	14 24	1 37	13 43	0 15	5 47	2 3	34 5	10 30	22 56	22 56	5 3			n.a.
W25	23 29	11 17	5 17	23 8	1 17	19 46	0 25	24 47	1 9	6 57	0 57	14 26	1 37	13 43	0 15	5 47	2 3	34 5	10 30	22 56	22 56	5 6			n.a.
T 26	23 34	6 21	5 11	23 29	1 22	20 5	0 23	24 44	1 9	6 57	0 57	14 28	1 37	13 42	0 15	5 47	2 3	34 5	10 30	22 56	22 55	5 9			n.a.
F 27	23 38	1 14	4 51	23 49	1 27	20 24	0 20	24 40	1 9	6 57	0 57	14 29	1 37	13 42	0 15	5 47	2 3	34 5	10 30	22 56	22 55	5 12			n.a.
S 28	23 41	3s54	4 18	24 8	1 31	20 41	0 18	24 37	1 9	6 58	0 56	14 31	1 37	13 41	0 15	5 47	2 3	34 5	10 30	22 56	22 54	5 15			n.a.
S 29	23 45	8 54	3 35	24 25	1 35	20 59	0 15	24 33	1 9	6 58	0 56	14 33	1 37	13 41	0 14	5 47	2 3	34 5	10 30	22 56	22 54	5 18			n.a.
M30	23 47	13 37	2 42	24 41	1 39	21 16	0 12	24 28	1 8	6 58	0 56	14 35	1 38	13 40	0 14	5 47	2 3	34 5	10 29	22 57	22 54	5 21			n.a.
T 31	23s49	17s52	1n42	24s55	1s43	21s32	0n10	24s24	1s 8	6n58	0s56	14s37	1n38	13n40	0s14	5n47	2n 3	34s 4	10s29	22n57	22n53	5s24			n.a.

Julian Day Number = 1113250.5, Delta T = 10h50m06s
Ecliptic obliquity = 23°53'22, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'32, Lahiri = -26°55'32 Julian Calendar 1 Dec. 1666 BCE == Greg. Calendar 17 Nov. 1666 BCE

The year -1665 astronomical counting style corresponds to year 1666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

JANUARY 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 41 39	26♐53'37	7♐48	18♐22	7♐ 6	13♑32	19♈39	13♏30	6°R20	20♍20	8♑35	14♊18	13♊45	23♎ 6	n.a.	W 1
T 2	5 45 35	27°54'16	20°14	20° 3	8°21	14°19	19°40	13°36	6♉19	20°20	8°37	14°R18	13°42	23°13	n.a.	T 2
F 3	5 49 32	28°54'54	2♑54	21°45	9°36	15° 6	19°41	13°41	6°17	20°20	8°38	14°17	13°39	23°19	n.a.	F 3
S 4	5 53 28	29°55'30	15°49	23°28	10°51	15°53	19°42	13°47	6°16	20°21	8°40	14°16	13°36	23°26	n.a.	S 4
S 5	5 57 25	0♑56'05	28°58	25°12	12° 5	16°39	19°43	13°53	6°15	20°21	8°42	14°14	13°33	23°33	n.a.	S 5
M 6	6 1 21	1°56'37	12♒21	26°57	13°20	17°26	19°44	13°58	6°14	20°R21	8°44	14°11	13°30	23°40	n.a.	M 6
T 7	6 5 18	2°57'08	25°56	28°43	14°34	18°13	19°46	14° 3	6°13	20°21	8°45	14° 8	13°26	23°46	n.a.	T 7
W 8	6 9 15	3°57'36	9♓42	0♑29	15°49	19° 0	19°47	14° 9	6°12	20°20	8°47	14° 6	13°23	23°53	n.a.	W 8
T 9	6 13 11	4°58'02	23°38	2°17	17° 4	19°46	19°49	14°14	6°11	20°20	8°49	14° 5	13°20	24° 0	n.a.	T 9
F 10	6 17 8	5°58'26	7♈43	4° 5	18°18	20°33	19°52	14°19	6°10	20°20	8°50	14°D 5	13°17	24° 6	n.a.	F 10
S 11	6 21 4	6°58'48	21°55	5°54	19°33	21°19	19°54	14°25	6° 9	20°20	8°52	14° 5	13°14	24°13	n.a.	S 11
S 12	6 25 1	7°59'08	6♉11	7°45	20°47	22° 6	19°56	14°30	6° 8	20°20	8°54	14° 6	13°10	24°20	n.a.	S 12
M13	6 28 57	8°59'25	20°31	9°36	22° 2	22°52	19°59	14°35	6° 7	20°20	8°55	14° 8	13° 7	24°26	n.a.	M13
T 14	6 32 54	9°59'41	4♊49	11°28	23°17	23°39	20° 2	14°40	6° 6	20°19	8°57	14° 9	13° 4	24°33	n.a.	T 14
W15	6 36 50	10°59'54	19° 3	13°20	24°31	24°25	20° 5	14°45	6° 6	20°19	8°59	14°R 9	13° 1	24°40	n.a.	W15
T 16	6 40 47	12° 0'05	3♋ 8	15°14	25°46	25°12	20° 9	14°49	6° 5	20°19	9° 1	14° 8	12°58	24°46	n.a.	T 16
F 17	6 44 44	13° 0'14	17° 0	17° 8	27° 0	25°58	20°12	14°54	6° 4	20°18	9° 2	14° 5	12°55	24°53	n.a.	F 17
S 18	6 48 40	14° 0'22	0♌35	19° 2	28°15	26°44	20°16	14°59	6° 4	20°18	9° 4	14° 1	12°51	25° 0	n.a.	S 18
S 19	6 52 37	15° 0'27	13°52	20°57	29°29	27°31	20°20	15° 4	6° 3	20°18	9° 6	13°56	12°48	25° 7	n.a.	S 19
M20	6 56 33	16° 0'30	26°49	22°53	0♑44	28°17	20°24	15° 8	6° 3	20°17	9° 7	13°51	12°45	25°13	n.a.	M20
T 21	7 0 30	17° 0'31	9♍27	24°48	1°58	29° 3	20°28	15°13	6° 3	20°17	9° 9	13°46	12°42	25°20	n.a.	T 21
W22	7 4 26	18° 0'31	21°47	26°43	3°13	29°49	20°32	15°17	6° 2	20°16	9°11	13°42	12°39	25°27	n.a.	W22
T 23	7 8 23	19° 0'28	3♎53	28°38	4°27	0♒35	20°37	15°21	6° 2	20°16	9°13	13°39	12°36	25°33	n.a.	T 23
F 24	7 12 19	20° 0'24	15°49	0♒33	5°41	1°22	20°41	15°26	6° 2	20°15	9°14	13°D37	12°32	25°40	n.a.	F 24
S 25	7 16 16	21° 0'18	27°40	2°26	6°56	2° 8	20°46	15°30	6° 2	20°14	9°16	13°37	12°29	25°47	n.a.	S 25
S 26	7 20 13	22° 0'10	9♏31	4°19	8°10	2°54	20°51	15°34	6° 1	20°14	9°18	13°39	12°26	25°53	n.a.	S 26
M27	7 24 9	23° 0'00	21°26	6° 9	9°25	3°40	20°57	15°38	6° 1	20°13	9°19	13°40	12°23	26° 0	n.a.	M27
T 28	7 28 6	23°59'48	3♐32	7°58	10°39	4°26	21° 2	15°42	6°D 1	20°12	9°21	13°42	12°20	26° 7	n.a.	T 28
W29	7 32 2	24°59'35	15°51	9°44	11°54	5°12	21° 8	15°46	6° 1	20°12	9°23	13°R42	12°16	26°13	n.a.	W29
T 30	7 35 59	25°59'19	28°28	11°27	13° 8	5°57	21°13	15°50	6° 1	20°11	9°24	13°41	12°13	26°20	n.a.	T 30
F 31	7 39 55	26♑59'02	11♑24	13♒ 6	14♑22	6♒43	21♈19	15♏53	6♉ 2	20♍10	9♑26	13♊38	12♊10	26♎27	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	23s51	21s26	0n36	25s 8	1s46	21s47	0n 7	24s19	1s 8	6n59	0s55	14s38	1n38	13n39	0s14	5n47	2n 3	34s 4	10s29	22n57	22n53	5s27			n.a.
T 2	23 52	24 4	0s33	25 19	1 49	22 2	0 5	24 14	1 8	6 59	0 55	14 40	1 38	13 39	0 14	5 47	2 3	34 4	10 29	22 57	22 52	5 30			n.a.
F 3	23 53	25 32	1 41	25 29	1 52	22 16	0 2	24 9	1 8	7 0	0 55	14 42	1 38	13 39	0 14	5 47	2 3	34 4	10 29	22 57	22 52	5 33			n.a.
S 4	23 53	25 40	2 46	25 37	1 54	22 30	0s 0	24 3	1 8	7 0	0 54	14 43	1 38	13 38	0 14	5 47	2 3	34 4	10 29	22 56	22 52	5 36			n.a.
S 5	23 53	24 22	3 42	25 44	1 56	22 43	0 3	23 57	1 8	7 1	0 54	14 45	1 38	13 38	0 14	5 47	2 3	34 4	10 29	22 56	22 51	5 39			n.a.
M 6	23 52	21 42	4 28	25 49	1 57	22 55	0 6	23 51	1 8	7 2	0 54	14 46	1 38	13 37	0 14	5 47	2 4	34 4	10 29	22 56	22 51	5 42			n.a.
T 7	23 51	17 48	4 59	25 51	1 58	23 7	0 8	23 44	1 7	7 3	0 53	14 48	1 38	13 37	0 14	5 47	2 4	34 4	10 30	22 56	22 50	5 45			n.a.
W 8	23 50	12 54	5 14	25 52	1 59	23 18	0 11	23 38	1 7	7 4	0 53	14 50	1 38	13 37	0 14	5 47	2 4	34 3	10 30	22 55	22 50	5 48			n.a.
T 9	23 48	7 19	5 11	25 51	1 59	23 28	0 13	23 31	1 7	7 5	0 53	14 51	1 38	13 36	0 14	5 47	2 4	34 3	10 30	22 55	22 50	5 51			n.a.
F 10	23 45	1 17	4 49	25 48	1 59	23 37	0 16	23 23	1 7	7 6	0 53	14 53	1 38	13 36	0 14	5 47	2 4	34 3	10 30	22 55	22 49	5 54			n.a.
S 11	23 42	4n51	4 9	25 43	1 58	23 46	0 18	23 16	1 7	7 7	0 52	14 54	1 38	13 36	0 14	5 47	2 4	34 3	10 30	22 55	22 49	5 57			n.a.
S 12	23 39	10 47	3 14	25 36	1 57	23 54	0 20	23 8	1 7	7 8	0 52	14 56	1 38	13 36	0 14	5 48	2 4	34 3	10 30	22 55	22 48	6 0			n.a.
M13	23 35	16 11	2 6	25 27	1 55	24 1	0 23	23 0	1 7	7 10	0 52	14 57	1 38	13 35	0 14	5 48	2 4	34 3	10 30	22 56	22 48	6 3			n.a.
T 14	23 30	20 40	0 51	25 15	1 53	24 8	0 25	22 52	1 6	7 11	0 51	14 58	1 38	13 35	0 14	5 48	2 4	34 3	10 30	22 56	22 48	6 6			n.a.
W15	23 25	23 52	0n27	25 2	1 50	24 14	0 27	22 43	1 6	7 12	0 51	15 0	1 38	13 35	0 14	5 48	2 4	34 3	10 30	22 56	22 47	6 9			n.a.
T 16	23 20	25 33	1 42	24 46	1 46	24 19	0 30	22 35	1 6	7 14	0 51	15 1	1 38	13 35	0 14	5 48	2 4	34 3	10 30	22 56	22 47	6 12			n.a.
F 17	23 14	25 36	2 50	24 27	1 42	24 23	0 32	22 26	1 6	7 16	0 51	15 3	1 39	13 34	0 14	5 48	2 4	34 3	10 30	22 55	22 46	6 15			n.a.
S 18	23 8	24 6	3 47	24 7	1 37	24 27	0 34	22 16	1 6	7 17	0 50	15 4	1 39	13 34	0 14	5 49	2 4	34 3	10 30	22 55	22 46	6 18			n.a.
S 19	23 2	21 17	4 30	23 44	1 32	24 30	0 36	22 7	1 5	7 19	0 50	15 5	1 39	13 34	0 14	5 49	2 4	34 3	10 30	22 54	22 46	6 21			n.a.
M20	22 54	17 28	4 58	23 19	1 26	24 32	0 39	21 57	1 5	7 21	0 50	15 7	1 39	13 34	0 14	5 49	2 5	34 3	10 30	22 53	22 45	6 24			n.a.
T 21	22 47	12 57	5 11	22 52	1 19	24 33	0 41	21 47	1 5	7 23	0 49	15 8	1 39	13 34	0 14	5 49	2 5	34 3	10 30	22 53	22 45	6 27			n.a.
W22	22 39	8 2	5 9	22 23	1 12	24 34	0 43	21 37	1 5	7 25	0 49	15 9	1 39	13 34	0 14	5 50	2 5	34 2	10 30	22 52	22 44	6 30			n.a.
T 23	22 31	2 54	4 53	21 52	1 4	24 34	0 45	21 27	1 4	7 27	0 49	15 10	1 39	13 34	0 14	5 50	2 5	34 2	10 30	22 52	22 44	6 33			n.a.
F 24	22 22	2s17	4 24	21 18	0 55	24 33	0 47	21 16	1 4	7 29	0 49	15 11	1 39	13 34	0 14	5 50	2 5	34 2	10 31	22 52	22 44	6 36			n.a.
S 25	22 13	7 21	3 45	20 43	0 45	24 31	0 49	21 6	1 4	7 31	0 48	15 13	1 39	13 34	0 14	5 51	2 5	34 2	10 31	22 52	22 43	6 39			n.a.
S 26	22 3	12 10	2 55	20 7	0 35	24 29	0 51	20 55	1 4	7 33	0 48	15 14	1 39	13 34	0 14	5 51	2 5	34 2	10 31	22 52	22 43	6 42			n.a.
M27	21 53	16 34	1 58	19 29	0 25	24 26	0 53	20 43	1 3	7 35	0 48	15 15	1 39	13 34	0 14	5 51	2 5	34 2	10 31	22 52	22 42	6 45			n.a.
T 28	21 43	20 21	0 55	18 50	0 13	24 22	0 55	20 32	1 3	7 38	0 48	15 16	1 39	13 34	0 14	5 52	2 5	34 2	10 31	22 52	22 42	6 48			n.a.
W29	21 32	23 19	0s12	18 10	0 1	24 17	0 56	20 20	1 3	7 40	0 47	15 17	1 40	13 34	0 14	5 52	2 5	34 2	10 31	22 52	22 41	6 52			n.a.
T 30	21 21	25 12	1 19	17 30	0n11	24 12	0 58	20 9	1 3	7 42	0 47	15 18	1 40	13 34	0 14	5 52	2 5	34 2	10 31	22 52	22 41	6 55			n.a.
F 31	21s 9	25s47	2s24	16s49	0n24	24s 5	1s 0	19s57	1s 2	7n45	0s47	15s19	1n40	13n34	0s14	5n53	2n 5	34s 2	10s31	22n52	22n41	6s58			n.a.

Julian Day Number = 1113281.5, Delta T = 10h50m04s
Ecliptic obliquity = 23°53'22, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'28, Lahiri = -26°55'27 Julian Calendar 1 Jan. 1665 BCE == Greg. Calendar 18 Dec. 1666 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

FEBRUARY 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 43 52	27♑58'42	24♑40	14♒41	15♑37	7♒29	21♈25	15♏57	6♉ 2	20°R 9	9♑28	13°R33	12♊ 7	26♎33	n.a.	S 1
S 2	7 47 48	28°58'20	8♒14	16°12	16°51	8°15	21°32	16° 1	6° 2	20♍ 8	9°29	13♊26	12° 4	26°40	n.a.	S 2
M 3	7 51 45	29°57'56	22° 4	17°38	18° 5	9° 0	21°38	16° 4	6° 2	20° 8	9°31	13°18	12° 1	26°47	n.a.	M 3
T 4	7 55 42	0♒57'30	6♓ 7	18°59	19°20	9°46	21°45	16° 8	6° 3	20° 7	9°32	13°10	11°57	26°54	n.a.	T 4
W 5	7 59 38	1°57'01	20°17	20°13	20°34	10°32	21°51	16°11	6° 3	20° 6	9°34	13° 3	11°54	27° 0	n.a.	W 5
T 6	8 3 35	2°56'30	4♈31	21°22	21°48	11°17	21°58	16°14	6° 4	20° 5	9°36	12°58	11°51	27° 7	n.a.	T 6
F 7	8 7 31	3°55'56	18°44	22°23	23° 3	12° 3	22° 5	16°17	6° 4	20° 4	9°37	12°55	11°48	27°14	n.a.	F 7
S 8	8 11 28	4°55'19	2♉55	23°18	24°17	12°48	22°12	16°20	6° 5	20° 3	9°39	12°D54	11°45	27°20	n.a.	S 8
S 9	8 15 24	5°54'41	17° 1	24° 5	25°31	13°34	22°20	16°23	6° 5	20° 2	9°40	12°54	11°42	27°27	n.a.	S 9
M10	8 19 21	6°53'59	1♊ 1	24°45	26°46	14°19	22°27	16°26	6° 6	20° 1	9°42	12°55	11°38	27°34	n.a.	M10
T 11	8 23 17	7°53'16	14°55	25°17	28° 0	15° 5	22°35	16°29	6° 7	20° 0	9°44	12°R56	11°35	27°40	n.a.	T 11
W12	8 27 14	8°52'29	28°42	25°42	29°14	15°50	22°42	16°32	6° 8	19°59	9°45	12°55	11°32	27°47	n.a.	W12
T 13	8 31 10	9°51'41	12♋20	25°58	0♒28	16°35	22°50	16°34	6° 8	19°57	9°47	12°51	11°29	27°54	n.a.	T 13
F 14	8 35 7	10°50'50	25°47	26° 7	1°42	17°20	22°58	16°37	6° 9	19°56	9°48	12°45	11°26	28° 0	n.a.	F 14
S 15	8 39 4	11°49'57	9♌ 3	26°R 9	2°57	18° 5	23° 6	16°39	6°10	19°55	9°50	12°37	11°22	28° 7	n.a.	S 15
S 16	8 43 0	12°49'01	22° 5	26° 3	4°11	18°51	23°14	16°41	6°11	19°54	9°51	12°26	11°19	28°14	n.a.	S 16
M17	8 46 57	13°48'04	4♍51	25°50	5°25	19°36	23°23	16°44	6°12	19°53	9°53	12°15	11°16	28°20	n.a.	M17
T 18	8 50 53	14°47'04	17°23	25°30	6°39	20°21	23°31	16°46	6°13	19°51	9°54	12° 4	11°13	28°27	n.a.	T 18
W19	8 54 50	15°46'02	29°40	25° 5	7°53	21° 6	23°40	16°48	6°14	19°50	9°56	11°55	11°10	28°34	n.a.	W19
T 20	8 58 46	16°44'58	11♎45	24°34	9° 8	21°50	23°49	16°50	6°16	19°49	9°57	11°47	11° 7	28°40	n.a.	T 20
F 21	9 2 43	17°43'52	23°40	23°58	10°22	22°35	23°58	16°52	6°17	19°48	9°58	11°42	11° 3	28°47	n.a.	F 21
S 22	9 6 39	18°42'44	5♏31	23°18	11°36	23°20	24° 7	16°53	6°18	19°46	10° 0	11°39	11° 0	28°54	n.a.	S 22
S 23	9 10 36	19°41'35	17°21	22°34	12°50	24° 5	24°16	16°55	6°19	19°45	10° 1	11°D38	10°57	29° 1	n.a.	S 23
M24	9 14 32	20°40'23	29°16	21°49	14° 4	24°50	24°25	16°57	6°21	19°44	10° 3	11°38	10°54	29° 7	n.a.	M24
T 25	9 18 29	21°39'10	11♐21	21° 2	15°18	25°34	24°34	16°58	6°22	19°42	10° 4	11°R38	10°51	29°14	n.a.	T 25
W26	9 22 26	22°37'54	23°42	20°15	16°32	26°19	24°44	16°59	6°24	19°41	10° 5	11°38	10°48	29°21	n.a.	W26
T 27	9 26 22	23°36'37	6♑24	19°28	17°46	27° 4	24°53	17° 1	6°25	19°39	10° 7	11°35	10°44	29°27	n.a.	T 27
F 28	9 30 19	24°35'18	19°28	18°42	19° 1	27°48	25° 3	17° 2	6°27	19°38	10° 8	11°30	10°41	29°34	n.a.	F 28
S 29	9 34 15	25♒33'57	2♒58	17♒59	20♒15	28♒33	25♈13	17♏ 3	6♉29	19♍37	10♑ 9	11♊23	10♊38	29♎41	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s57	24s55	3s23	16s 8	0n38	23s59	1s 2	19s44	1s 2	7n47	0s47	15s20	1n40	13n34	0s14	5n53	2n 5	34s 2	10s31	22n51	22n40	7s 1		n.a.
S 2	20 45	22 36	4 12	15 28	0 51	23 51	1 3	19 32	1 2	7 50	0 46	15 21	1 40	13 34	0 14	5 53	2 5	34 2	10 32	22 50	22 40	7 4		n.a.
M 3	20 32	18 55	4 47	14 48	1 5	23 43	1 5	19 20	1 1	7 53	0 46	15 22	1 40	13 34	0 14	5 54	2 5	34 2	10 32	22 49	22 39	7 7		n.a.
T 4	20 19	14 9	5 5	14 10	1 19	23 34	1 6	19 7	1 1	7 55	0 46	15 23	1 40	13 34	0 14	5 54	2 5	34 2	10 32	22 48	22 39	7 10		n.a.
W 5	20 6	8 34	5 5	13 33	1 33	23 24	1 8	18 54	1 1	7 58	0 46	15 24	1 40	13 34	0 14	5 55	2 6	34 2	10 32	22 48	22 38	7 13		n.a.
T 6	19 52	2 32	4 46	12 58	1 47	23 13	1 9	18 41	1 0	8 1	0 45	15 24	1 40	13 35	0 14	5 55	2 6	34 2	10 32	22 47	22 38	7 16		n.a.
F 7	19 38	3n38	4 10	12 25	2 0	23 2	1 10	18 28	1 0	8 4	0 45	15 25	1 40	13 35	0 14	5 56	2 6	34 2	10 32	22 46	22 38	7 19		n.a.
S 8	19 24	9 37	3 18	11 54	2 14	22 50	1 12	18 14	1 0	8 7	0 45	15 26	1 40	13 35	0 14	5 56	2 6	34 2	10 32	22 46	22 37	7 22		n.a.
S 9	19 9	15 5	2 15	11 26	2 27	22 38	1 13	18 1	0 59	8 10	0 45	15 27	1 41	13 35	0 14	5 56	2 6	34 2	10 33	22 46	22 37	7 25		n.a.
M10	18 54	19 43	1 4	11 1	2 39	22 25	1 14	17 47	0 59	8 13	0 44	15 27	1 41	13 35	0 14	5 57	2 6	34 2	10 33	22 47	22 36	7 28		n.a.
T 11	18 38	23 12	0n11	10 40	2 51	22 11	1 15	17 33	0 59	8 16	0 44	15 28	1 41	13 36	0 14	5 57	2 6	34 3	10 33	22 47	22 36	7 31		n.a.
W12	18 23	25 17	1 24	10 21	3 1	21 56	1 16	17 19	0 58	8 19	0 44	15 29	1 41	13 36	0 14	5 58	2 6	34 3	10 33	22 46	22 35	7 34		n.a.
T 13	18 7	25 48	2 31	10 6	3 11	21 41	1 17	17 5	0 58	8 22	0 44	15 30	1 41	13 36	0 14	5 58	2 6	34 3	10 33	22 46	22 35	7 37		n.a.
F 14	17 50	24 48	3 28	9 55	3 20	21 25	1 18	16 51	0 58	8 25	0 43	15 30	1 41	13 37	0 13	5 59	2 6	34 3	10 33	22 45	22 34	7 40		n.a.
S 15	17 34	22 24	4 14	9 47	3 28	21 9	1 19	16 36	0 57	8 29	0 43	15 31	1 41	13 37	0 13	5 59	2 6	34 3	10 34	22 44	22 34	7 43		n.a.
S 16	17 17	18 53	4 45	9 43	3 34	20 52	1 20	16 21	0 57	8 32	0 43	15 31	1 41	13 37	0 13	6 0	2 6	34 3	10 34	22 43	22 34	7 46		n.a.
M17	17 0	14 33	5 1	9 43	3 39	20 34	1 21	16 7	0 57	8 35	0 43	15 32	1 41	13 38	0 13	6 1	2 6	34 3	10 34	22 41	22 33	7 49		n.a.
T 18	16 42	9 42	5 2	9 47	3 42	20 16	1 21	15 52	0 56	8 39	0 42	15 32	1 42	13 38	0 13	6 1	2 6	34 3	10 34	22 40	22 33	7 52		n.a.
W19	16 25	4 33	4 49	9 54	3 43	19 57	1 22	15 37	0 56	8 42	0 42	15 33	1 42	13 39	0 13	6 2	2 6	34 3	10 34	22 38	22 32	7 55		n.a.
T 20	16 7	0s42	4 23	10 5	3 43	19 38	1 23	15 22	0 55	8 46	0 42	15 33	1 42	13 39	0 13	6 2	2 6	34 3	10 35	22 37	22 32	7 58		n.a.
F 21	15 48	5 51	3 46	10 18	3 42	19 18	1 23	15 6	0 55	8 49	0 42	15 34	1 42	13 39	0 13	6 3	2 6	34 3	10 35	22 37	22 31	8 1		n.a.
S 22	15 30	10 47	3 0	10 35	3 38	18 58	1 24	14 51	0 55	8 53	0 42	15 34	1 42	13 40	0 13	6 3	2 6	34 3	10 35	22 36	22 31	8 4		n.a.
S 23	15 11	15 19	2 6	10 54	3 33	18 37	1 24	14 36	0 54	8 56	0 41	15 35	1 42	13 40	0 13	6 4	2 6	34 3	10 35	22 36	22 30	8 7		n.a.
M24	14 52	19 18	1 5	11 15	3 26	18 16	1 24	14 20	0 54	9 0	0 41	15 35	1 42	13 41	0 13	6 4	2 6	34 4	10 36	22 36	22 30	8 10		n.a.
T 25	14 33	22 32	0 2	11 38	3 18	17 54	1 25	14 4	0 53	9 4	0 41	15 35	1 42	13 41	0 13	6 5	2 7	34 4	10 36	22 36	22 30	8 13		n.a.
W26	14 14	24 48	1s 4	12 3	3 8	17 31	1 25	13 49	0 53	9 7	0 41	15 36	1 42	13 42	0 13	6 6	2 7	34 4	10 36	22 36	22 29	8 16		n.a.
T 27	13 54	25 51	2 7	12 28	2 57	17 8	1 25	13 33	0 53	9 11	0 40	15 36	1 42	13 42	0 13	6 6	2 7	34 4	10 36	22 36	22 29	8 19		n.a.
F 28	13 34	25 31	3 6	12 54	2 44	16 45	1 25	13 17	0 52	9 15	0 40	15 36	1 43	13 43	0 13	6 7	2 7	34 4	10 36	22 35	22 28	8 22		n.a.
S 29	13s14	23s42	3s57	13s20	2n31	16s21	1s25	13s 0	0s52	9n19	0s40	15s36	1n43	13n43	0s13	6n 7	2n 7	34s 4	10s37	22n34	22n28	8s25		n.a.

Julian Day Number = 1113312.5, Delta T = 10h50m02s
Ecliptic obliquity = 23°53'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'24, Lahiri = -26°55'23 Julian Calendar 1 Feb. 1665 BCE == Greg. Calendar 18 Jan. 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

MARCH 1665 BCE (-1664) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 38 12	26♒32'34	16♒51	17°R18	21♒29	29♒17	25♈23	17♏ 4	6♉30	19°R35	10♑10	11°R13	10♊35	29♎47	n.a.	S 1
M 2	9 42 8	27°31'09	1♓ 5	16♒41	22°43	0♓ 1	25°33	17° 5	6°32	19♍34	10°12	11♊ 2	10°32	29°54	n.a.	M 2
T 3	9 46 5	28°29'42	15°35	16° 8	23°57	0°46	25°43	17° 6	6°34	19°32	10°13	10°50	10°28	0♏ 1	n.a.	T 3
W 4	9 50 1	29°28'13	0♈12	15°39	25°11	1°30	25°53	17° 6	6°36	19°31	10°14	10°40	10°25	0° 7	n.a.	W 4
T 5	9 53 58	0♓26'41	14°50	15°14	26°25	2°14	26° 3	17° 7	6°37	19°29	10°15	10°32	10°22	0°14	n.a.	T 5
F 6	9 57 54	1°25'07	29°23	14°55	27°39	2°58	26°14	17° 8	6°39	19°28	10°17	10°27	10°19	0°21	n.a.	F 6
S 7	10 1 51	2°23'31	13♉45	14°41	28°53	3°42	26°24	17° 8	6°41	19°26	10°18	10°24	10°16	0°27	n.a.	S 7
S 8	10 5 48	3°21'53	27°54	14°31	0♓ 7	4°27	26°35	17° 8	6°43	19°25	10°19	10°23	10°13	0°34	n.a.	S 8
M 9	10 9 44	4°20'12	11♊49	14°D27	1°21	5°11	26°45	17° 8	6°45	19°23	10°20	10°23	10° 9	0°41	n.a.	M 9
T 10	10 13 41	5°18'29	25°30	14°28	2°35	5°55	26°56	17° 9	6°47	19°21	10°21	10°22	10° 6	0°47	n.a.	T 10
W11	10 17 37	6°16'44	8♋58	14°34	3°49	6°38	27° 7	17°R 9	6°49	19°20	10°22	10°20	10° 3	0°54	n.a.	W11
T 12	10 21 34	7°14'57	22°14	14°45	5° 3	7°22	27°18	17° 9	6°52	19°18	10°23	10°15	10° 0	1° 1	n.a.	T 12
F 13	10 25 30	8°13'07	5♌19	15° 0	6°17	8° 6	27°29	17° 8	6°54	19°17	10°24	10° 8	9°57	1° 7	n.a.	F 13
S 14	10 29 27	9°11'16	18°13	15°21	7°31	8°50	27°40	17° 8	6°56	19°15	10°25	9°58	9°54	1°14	n.a.	S 14
S 15	10 33 23	10° 9'22	0♍56	15°45	8°45	9°34	27°51	17° 8	6°58	19°14	10°26	9°45	9°50	1°21	n.a.	S 15
M16	10 37 20	11° 7'27	13°27	16°14	9°58	10°17	28° 2	17° 7	7° 1	19°12	10°27	9°32	9°47	1°27	n.a.	M16
T 17	10 41 16	12° 5'29	25°47	16°48	11°12	11° 1	28°14	17° 7	7° 3	19°10	10°28	9°18	9°44	1°34	n.a.	T 17
W18	10 45 13	13° 3'30	7♎56	17°25	12°26	11°44	28°25	17° 6	7° 5	19° 9	10°29	9° 6	9°41	1°41	n.a.	W18
T 19	10 49 10	14° 1'29	19°56	18° 6	13°40	12°28	28°37	17° 5	7° 8	19° 7	10°30	8°56	9°38	1°47	n.a.	T 19
F 20	10 53 6	14°59'27	1♏48	18°51	14°54	13°11	28°48	17° 4	7°10	19° 5	10°31	8°49	9°34	1°54	n.a.	F 20
S 21	10 57 3	15°57'23	13°37	19°39	16° 8	13°55	29° 0	17° 3	7°13	19° 4	10°32	8°45	9°31	2° 1	n.a.	S 21
S 22	11 0 59	16°55'17	25°26	20°30	17°22	14°38	29°12	17° 2	7°15	19° 2	10°33	8°43	9°28	2° 7	n.a.	S 22
M23	11 4 56	17°53'10	7♐20	21°25	18°35	15°21	29°23	17° 1	7°18	19° 1	10°34	8°D42	9°25	2°14	n.a.	M23
T 24	11 8 52	18°51'02	19°24	22°23	19°49	16° 5	29°35	17° 0	7°21	18°59	10°34	8°R42	9°22	2°21	n.a.	T 24
W25	11 12 49	19°48'52	1♑44	23°24	21° 3	16°48	29°47	16°59	7°23	18°57	10°35	8°42	9°19	2°28	n.a.	W25
T 26	11 16 45	20°46'41	14°25	24°28	22°17	17°31	29°59	16°57	7°26	18°56	10°36	8°40	9°15	2°34	n.a.	T 26
F 27	11 20 42	21°44'29	27°30	25°34	23°31	18°14	0♉11	16°56	7°29	18°54	10°37	8°35	9°12	2°41	n.a.	F 27
S 28	11 24 39	22°42'15	11♒ 3	26°44	24°45	18°57	0°23	16°54	7°31	18°52	10°37	8°29	9° 9	2°48	n.a.	S 28
S 29	11 28 35	23°39'59	25° 5	27°56	25°58	19°40	0°36	16°53	7°34	18°51	10°38	8°20	9° 6	2°54	n.a.	S 29
M30	11 32 32	24°37'43	9♓32	29°10	27°12	20°23	0°48	16°51	7°37	18°49	10°39	8° 9	9° 3	3° 1	n.a.	M30
T 31	11 36 28	25♓35'25	24♓19	0♓27	28♓26	21♓ 6	1♉ 0	16♏49	7♉40	18♍48	10♑39	7♊59	8♊59	3♏ 8	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	12s54	20s26	4s35	13s46	2n17	15s57	1s25	12s44	0s51	9n23	0s40	15s36	1n43	13n44	0s13	6n 8	2n 7	34s 4	10s37	22n33	22n27	8s28			n.a.
M 2	12 34	15 54	4 57	14 12	2 2	15 32	1 25	12 28	0 51	9 27	0 40	15 37	1 43	13 45	0 13	6 9	2 7	34 4	10 37	22 31	22 27	8 31			n.a.
T 3	12 13	10 23	5 0	14 36	1 47	15 7	1 25	12 12	0 50	9 30	0 39	15 37	1 43	13 45	0 13	6 9	2 7	34 5	10 37	22 29	22 26	8 34			n.a.
W 4	11 52	4 15	4 44	15 0	1 31	14 42	1 24	11 55	0 50	9 34	0 39	15 37	1 43	13 46	0 13	6 10	2 7	34 5	10 38	22 28	22 26	8 37			n.a.
T 5	11 31	2n 8	4 9	15 22	1 15	14 16	1 24	11 39	0 50	9 38	0 39	15 37	1 43	13 47	0 13	6 11	2 7	34 5	10 38	22 27	22 25	8 40			n.a.
F 6	11 10	8 22	3 19	15 43	0 59	13 49	1 24	11 22	0 49	9 42	0 39	15 37	1 43	13 47	0 13	6 11	2 7	34 5	10 38	22 26	22 25	8 43			n.a.
S 7	10 49	14 6	2 16	16 2	0 44	13 23	1 23	11 5	0 49	9 47	0 39	15 37	1 43	13 48	0 13	6 12	2 7	34 5	10 38	22 26	22 24	8 46			n.a.
S 8	10 28	19 0	1 6	16 20	0 28	12 56	1 23	10 48	0 48	9 51	0 38	15 37	1 44	13 49	0 13	6 12	2 7	34 5	10 39	22 25	22 24	8 49			n.a.
M 9	10 6	22 45	0n 8	16 35	0 13	12 29	1 22	10 32	0 48	9 55	0 38	15 37	1 44	13 49	0 13	6 13	2 7	34 5	10 39	22 25	22 23	8 52			n.a.
T 10	9 44	25 8	1 19	16 49	0s 1	12 1	1 22	10 15	0 47	9 59	0 38	15 37	1 44	13 50	0 13	6 14	2 7	34 6	10 39	22 25	22 23	8 55			n.a.
W11	9 23	25 59	2 25	17 1	0 15	11 33	1 21	9 58	0 47	10 3	0 38	15 37	1 44	13 51	0 13	6 14	2 7	34 6	10 39	22 25	22 23	8 58			n.a.
T 12	9 1	25 20	3 22	17 11	0 29	11 5	1 20	9 41	0 46	10 7	0 38	15 37	1 44	13 51	0 13	6 15	2 7	34 6	10 40	22 24	22 22	9 1			n.a.
F 13	8 39	23 17	4 7	17 18	0 42	10 36	1 20	9 24	0 46	10 11	0 38	15 36	1 44	13 52	0 13	6 16	2 7	34 6	10 40	22 23	22 22	9 4			n.a.
S 14	8 16	20 4	4 39	17 24	0 55	10 8	1 19	9 7	0 45	10 16	0 37	15 36	1 44	13 53	0 13	6 16	2 7	34 6	10 40	22 22	22 21	9 7			n.a.
S 15	7 54	15 57	4 56	17 28	1 6	9 38	1 18	8 49	0 45	10 20	0 37	15 36	1 44	13 54	0 13	6 17	2 7	34 7	10 41	22 20	22 21	9 10			n.a.
M16	7 32	11 12	4 59	17 30	1 18	9 9	1 17	8 32	0 44	10 24	0 37	15 36	1 44	13 54	0 13	6 18	2 7	34 7	10 41	22 18	22 20	9 13			n.a.
T 17	7 9	6 6	4 48	17 30	1 28	8 40	1 16	8 15	0 44	10 28	0 37	15 36	1 44	13 55	0 13	6 18	2 7	34 7	10 41	22 16	22 20	9 16			n.a.
W18	6 47	0 49	4 23	17 27	1 38	8 10	1 15	7 58	0 43	10 33	0 37	15 35	1 45	13 56	0 13	6 19	2 7	34 7	10 41	22 14	22 19	9 18			n.a.
T 19	6 24	4s26	3 47	17 23	1 47	7 40	1 14	7 40	0 43	10 37	0 36	15 35	1 45	13 57	0 13	6 20	2 7	34 7	10 42	22 12	22 19	9 21			n.a.
F 20	6 1	9 29	3 2	17 17	1 55	7 10	1 12	7 23	0 43	10 41	0 36	15 35	1 45	13 58	0 13	6 20	2 7	34 8	10 42	22 11	22 18	9 24			n.a.
S 21	5 38	14 11	2 9	17 9	2 3	6 40	1 11	7 5	0 42	10 46	0 36	15 34	1 45	13 59	0 13	6 21	2 7	34 8	10 42	22 10	22 18	9 27			n.a.
S 22	5 15	18 21	1 10	16 59	2 10	6 9	1 10	6 48	0 42	10 50	0 36	15 34	1 45	13 59	0 13	6 22	2 7	34 8	10 43	22 10	22 17	9 30			n.a.
M23	4 53	21 50	0 7	16 47	2 17	5 39	1 9	6 30	0 41	10 54	0 36	15 33	1 45	14 0	0 13	6 22	2 7	34 8	10 43	22 10	22 17	9 33			n.a.
T 24	4 29	24 24	0s56	16 33	2 22	5 8	1 7	6 13	0 41	10 59	0 36	15 33	1 45	14 1	0 13	6 23	2 7	34 8	10 43	22 10	22 16	9 36			n.a.
W25	4 6	25 52	1 59	16 17	2 27	4 37	1 6	5 55	0 40	11 3	0 35	15 33	1 45	14 2	0 13	6 24	2 7	34 9	10 44	22 10	22 16	9 39			n.a.
T 26	3 43	26 2	2 57	15 59	2 32	4 6	1 4	5 38	0 39	11 8	0 35	15 32	1 45	14 3	0 13	6 24	2 7	34 9	10 44	22 10	22 15	9 42			n.a.
F 27	3 20	24 47	3 48	15 40	2 35	3 35	1 3	5 20	0 39	11 12	0 35	15 32	1 45	14 4	0 13	6 25	2 7	34 9	10 44	22 9	22 15	9 45			n.a.
S 28	2 57	22 4	4 28	15 19	2 38	3 3	1 1	5 2	0 38	11 17	0 35	15 31	1 45	14 5	0 13	6 26	2 7	34 9	10 44	22 8	22 14	9 48			n.a.
S 29	2 34	18 0	4 54	14 56	2 41	2 32	0 59	4 45	0 38	11 21	0 35	15 30	1 46	14 6	0 13	6 26	2 7	34 10	10 45	22 6	22 14	9 51			n.a.
M30	2 10	12 47	5 2	14 31	2 43	2 1	0 58	4 27	0 37	11 26	0 35	15 30	1 46	14 7	0 13	6 27	2 7	34 10	10 45	22 5	22 13	9 54			n.a.
T 31	1s47	6s43	4s50	14s 4	2s44	1s29	0s56	4s 9	0s37	11n30	0s34	15s29	1n46	14n 8	0s13	6n27	2n 7	34s10	10s45	22n 3	22n13	9s57			n.a.

Julian Day Number = 1113341.5, Delta T = 10h50m00s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'20, Lahiri = -26°55'19 Julian Calendar 1 March 1665 BCE == Greg. Calendar 16 Feb. 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

APRIL 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 40 25	26♓33'05	9♈17	1♓47	29♓40	21♓49	1♉12	16°R47	7♉43	18°R46	10♋40	7°R49	8♊56	3♏14	n.a.	W 1
T 2	11 44 21	27°30'44	24°18	3° 8	0♈54	22°31	1°25	16♏45	7°46	18♍44	10°41	7♊41	8°53	3°21	n.a.	T 2
F 3	11 48 18	28°28'21	9♉12	4°33	2° 7	23°14	1°37	16°43	7°49	18°43	10°41	7°36	8°50	3°28	n.a.	F 3
S 4	11 52 14	29°25'56	23°52	5°59	3°21	23°57	1°50	16°41	7°52	18°41	10°42	7°34	8°47	3°34	n.a.	S 4
S 5	11 56 11	0♈23'30	8♊13	7°28	4°35	24°39	2° 2	16°38	7°55	18°40	10°42	7°D33	8°44	3°41	n.a.	S 5
M 6	12 0 7	1°21'03	22°14	8°59	5°48	25°22	2°15	16°36	7°58	18°38	10°43	7°33	8°40	3°48	n.a.	M 6
T 7	12 4 4	2°18'34	5♋54	10°32	7° 2	26° 5	2°28	16°34	8° 1	18°36	10°43	7°R33	8°37	3°54	n.a.	T 7
W 8	12 8 1	3°16'03	19°16	12° 8	8°16	26°47	2°40	16°31	8° 4	18°35	10°44	7°32	8°34	4° 1	n.a.	W 8
T 9	12 11 57	4°13'31	2♌20	13°46	9°30	27°29	2°53	16°28	8° 7	18°33	10°44	7°29	8°31	4° 8	n.a.	T 9
F 10	12 15 54	5°10'57	15°10	15°26	10°43	28°12	3° 6	16°26	8°10	18°32	10°45	7°23	8°28	4°14	n.a.	F 10
S 11	12 19 50	6° 8'21	27°47	17° 8	11°57	28°54	3°19	16°23	8°13	18°30	10°45	7°15	8°25	4°21	n.a.	S 11
S 12	12 23 47	7° 5'44	10♍13	18°52	13°11	29°36	3°32	16°20	8°16	18°29	10°45	7° 6	8°21	4°28	n.a.	S 12
M13	12 27 43	8° 3'06	22°29	20°39	14°24	0♈18	3°45	16°17	8°20	18°27	10°46	6°55	8°18	4°34	n.a.	M13
T 14	12 31 40	9° 0'27	4♎37	22°28	15°38	1° 1	3°58	16°14	8°23	18°26	10°46	6°44	8°15	4°41	n.a.	T 14
W15	12 35 36	9°57'46	16°37	24°19	16°52	1°43	4°11	16°11	8°26	18°24	10°46	6°35	8°12	4°48	n.a.	W15
T 16	12 39 33	10°55'05	28°30	26°12	18° 5	2°25	4°24	16° 8	8°29	18°23	10°46	6°27	8° 9	4°54	n.a.	T 16
F 17	12 43 30	11°52'23	10♏20	28° 7	19°19	3° 7	4°37	16° 5	8°33	18°21	10°47	6°21	8° 5	5° 1	n.a.	F 17
S 18	12 47 26	12°49'39	22° 8	0♈ 4	20°32	3°49	4°50	16° 2	8°36	18°20	10°47	6°18	8° 2	5° 8	n.a.	S 18
S 19	12 51 23	13°46'55	3♐57	2° 4	21°46	4°31	5° 3	15°58	8°39	18°18	10°47	6°D17	7°59	5°14	n.a.	S 19
M20	12 55 19	14°44'11	15°52	4° 5	23° 0	5°12	5°16	15°55	8°43	18°17	10°47	6°17	7°56	5°21	n.a.	M20
T 21	12 59 16	15°41'25	27°56	6° 8	24°13	5°54	5°29	15°51	8°46	18°15	10°47	6°18	7°53	5°28	n.a.	T 21
W22	13 3 12	16°38'39	10♑15	8°13	25°27	6°36	5°43	15°48	8°49	18°14	10°47	6°19	7°50	5°34	n.a.	W22
T 23	13 7 9	17°35'53	22°54	10°20	26°40	7°18	5°56	15°44	8°53	18°13	10°48	6°R19	7°46	5°41	n.a.	T 23
F 24	13 11 5	18°33'06	5♒57	12°28	27°54	7°59	6° 9	15°41	8°56	18°11	10°48	6°18	7°43	5°48	n.a.	F 24
S 25	13 15 2	19°30'18	19°27	14°37	29° 8	8°41	6°22	15°37	9° 0	18°10	10°48	6°14	7°40	5°54	n.a.	S 25
S 26	13 18 59	20°27'30	3♓25	16°47	0♉21	9°23	6°36	15°33	9° 3	18° 9	10°R48	6° 9	7°37	6° 1	n.a.	S 26
M27	13 22 55	21°24'41	17°52	18°58	1°35	10° 4	6°49	15°30	9° 6	18° 7	10°48	6° 3	7°34	6° 8	n.a.	M27
T 28	13 26 52	22°21'52	2♈42	21° 9	2°48	10°46	7° 3	15°26	9°10	18° 6	10°48	5°57	7°30	6°14	n.a.	T 28
W29	13 30 48	23°19'02	17°48	23°21	4° 2	11°27	7°16	15°22	9°13	18° 5	10°47	5°51	7°27	6°21	n.a.	W29
T 30	13 34 45	24♈16'12	3♉ 0	25♈32	5♉15	12♈ 8	7♉29	15♏18	9♉17	18♍ 4	10♋47	5♊46	7♊24	6♏28	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1s24	0s12	4s18	13s35	2s44	0s58	0s54	3s52	0s36	11n35	0s34	15s29	1n46	14n 9	0s13	6n28	2n 7	34s10	10s46	22n 1	22n12	10s 0		n.a.
T 2	1 0	6n22	3 28	13 5	2 44	0 26	0 52	3 34	0 36	11 39	0 34	15 28	1 46	14 10	0 13	6 29	2 7	34 11	10 46	22 0	22 12	10 3		n.a.
F 3	0 37	12 33	2 25	12 33	2 43	0n 5	0 51	3 16	0 35	11 44	0 34	15 27	1 46	14 11	0 13	6 29	2 7	34 11	10 46	21 59	22 11	10 6		n.a.
S 4	0 14	17 56	1 12	11 59	2 42	0 37	0 49	2 59	0 35	11 48	0 34	15 27	1 46	14 12	0 13	6 30	2 7	34 11	10 47	21 59	22 11	10 9		n.a.
S 5	0n10	22 9	0n 4	11 23	2 40	1 8	0 47	2 41	0 34	11 53	0 34	15 26	1 46	14 13	0 13	6 31	2 7	34 12	10 47	21 59	22 10	10 12		n.a.
M 6	0 33	24 57	1 17	10 46	2 37	1 40	0 45	2 23	0 34	11 57	0 34	15 25	1 46	14 14	0 12	6 31	2 7	34 12	10 47	21 59	22 10	10 15		n.a.
T 7	0 56	26 10	2 25	10 7	2 34	2 12	0 43	2 6	0 33	12 2	0 33	15 24	1 46	14 15	0 12	6 32	2 7	34 12	10 48	21 59	22 9	10 18		n.a.
W 8	1 19	25 49	3 23	9 27	2 30	2 43	0 41	1 48	0 33	12 7	0 33	15 24	1 46	14 16	0 12	6 32	2 7	34 12	10 48	21 59	22 9	10 21		n.a.
T 9	1 43	24 3	4 9	8 44	2 26	3 14	0 39	1 30	0 32	12 11	0 33	15 23	1 46	14 17	0 12	6 33	2 7	34 13	10 48	21 58	22 8	10 24		n.a.
F 10	2 6	21 4	4 42	8 0	2 21	3 46	0 36	1 13	0 32	12 16	0 33	15 22	1 46	14 18	0 12	6 34	2 7	34 13	10 49	21 57	22 8	10 27		n.a.
S 11	2 29	17 8	5 0	7 15	2 15	4 17	0 34	0 55	0 31	12 20	0 33	15 21	1 46	14 19	0 12	6 34	2 7	34 13	10 49	21 56	22 7	10 30		n.a.
S 12	2 52	12 32	5 3	6 27	2 9	4 48	0 32	0 37	0 30	12 25	0 33	15 20	1 47	14 20	0 12	6 35	2 7	34 14	10 49	21 54	22 7	10 33		n.a.
M13	3 15	7 30	4 53	5 39	2 3	5 19	0 30	0 20	0 30	12 29	0 33	15 19	1 47	14 21	0 12	6 35	2 7	34 14	10 50	21 52	22 6	10 36		n.a.
T 14	3 38	2 14	4 29	4 48	1 55	5 50	0 28	0 2	0 29	12 34	0 32	15 18	1 47	14 22	0 12	6 36	2 7	34 14	10 50	21 51	22 6	10 39		n.a.
W15	4 1	3s 4	3 54	3 57	1 48	6 21	0 26	0n15	0 29	12 39	0 32	15 17	1 47	14 23	0 12	6 37	2 7	34 14	10 50	21 49	22 5	10 42		n.a.
T 16	4 24	8 13	3 8	3 4	1 40	6 52	0 23	0 33	0 28	12 43	0 32	15 17	1 47	14 24	0 12	6 37	2 7	34 15	10 51	21 48	22 5	10 44		n.a.
F 17	4 47	13 4	2 15	2 9	1 31	7 22	0 21	0 50	0 28	12 48	0 32	15 16	1 47	14 25	0 12	6 38	2 7	34 15	10 51	21 47	22 4	10 47		n.a.
S 18	5 10	17 26	1 15	1 13	1 22	7 53	0 19	1 8	0 27	12 52	0 32	15 15	1 47	14 26	0 12	6 38	2 7	34 15	10 51	21 46	22 4	10 50		n.a.
S 19	5 32	21 8	0 13	0 17	1 13	8 23	0 16	1 25	0 27	12 57	0 32	15 14	1 47	14 28	0 12	6 39	2 7	34 16	10 52	21 46	22 3	10 53		n.a.
M20	5 55	23 59	0s51	0n41	1 3	8 53	0 14	1 43	0 26	13 2	0 32	15 13	1 47	14 29	0 12	6 39	2 7	34 16	10 52	21 46	22 3	10 56		n.a.
T 21	6 17	25 47	1 54	1 40	0 53	9 23	0 12	2 0	0 25	13 6	0 31	15 12	1 47	14 30	0 12	6 40	2 7	34 16	10 52	21 46	22 2	10 59		n.a.
W22	6 40	26 21	2 53	2 40	0 43	9 53	0 9	2 17	0 25	13 11	0 31	15 10	1 47	14 31	0 12	6 40	2 7	34 17	10 53	21 46	22 2	11 2		n.a.
T 23	7 2	25 36	3 45	3 40	0 33	10 22	0 7	2 35	0 24	13 15	0 31	15 9	1 47	14 32	0 12	6 41	2 7	34 17	10 53	21 46	22 1	11 5		n.a.
F 24	7 24	23 26	4 27	4 41	0 22	10 51	0 4	2 52	0 24	13 20	0 31	15 8	1 47	14 33	0 12	6 41	2 7	34 17	10 53	21 46	22 1	11 8		n.a.
S 25	7 46	19 56	4 56	5 41	0 11	11 20	0 2	3 9	0 23	13 25	0 31	15 7	1 47	14 34	0 12	6 42	2 7	34 18	10 54	21 45	22 0	11 11		n.a.
S 26	8 8	15 13	5 8	6 42	0 1	11 49	0n 0	3 26	0 23	13 29	0 31	15 6	1 47	14 35	0 12	6 42	2 7	34 18	10 54	21 44	21 59	11 14		n.a.
M27	8 30	9 30	5 2	7 43	0n10	12 17	0 3	3 43	0 22	13 34	0 31	15 5	1 47	14 36	0 12	6 43	2 7	34 18	10 54	21 43	21 59	11 17		n.a.
T 28	8 52	3 7	4 36	8 43	0 20	12 45	0 5	4 0	0 21	13 38	0 31	15 4	1 47	14 38	0 12	6 43	2 7	34 19	10 54	21 42	21 58	11 20		n.a.
W29	9 13	3n34	3 50	9 42	0 30	13 13	0 8	4 18	0 21	13 43	0 30	15 3	1 47	14 39	0 12	6 44	2 7	34 19	10 55	21 41	21 58	11 23		n.a.
T 30	9n35	10n 7	2s48	10n41	0n40	13n41	0n10	4n34	0s20	13n48	0s30	15s 2	1n47	14n40	0s12	6n44	2n 6	34s19	10s55	21n40	21n57	11s26		n.a.

Julian Day Number = 1113372.5, Delta T = 10h49m58s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'15, Lahiri = -26°55'15 Julian Calendar 1 Apr. 1665 BCE == Greg. Calendar 18 March 1665 BCE

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

MAY 1665 BCE (-1664) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 38 41	25♈13'21	18♉ 8	27♈44	6♉29	12♈50	7♉43	15°R14	9♉20	18°R 2	10°R47	5°R43	7♊21	6♏34	n.a.	F 1
S 2	13 42 38	26°10'29	3♊ 4	29°54	7°42	13°31	7°56	15♏10	9°24	18♍ 1	10♑47	5°D42	7°18	6°41	n.a.	S 2
S 3	13 46 35	27° 7'37	17°41	2♉ 4	8°56	14°12	8°10	15° 6	9°27	18° 0	10°47	5♊42	7°15	6°48	n.a.	S 3
M 4	13 50 31	28° 4'44	1♋53	4°13	10°10	14°53	8°23	15° 2	9°31	17°59	10°47	5°44	7°11	6°54	n.a.	M 4
T 5	13 54 28	29° 1'50	15°41	6°20	11°23	15°34	8°37	14°58	9°34	17°58	10°46	5°45	7° 8	7° 1	n.a.	T 5
W 6	13 58 24	29°58'56	29° 5	8°26	12°37	16°15	8°50	14°54	9°38	17°57	10°46	5°R45	7° 5	7° 8	n.a.	W 6
T 7	14 2 21	0♉56'01	12♌ 8	10°31	13°50	16°57	9° 4	14°49	9°42	17°55	10°46	5°45	7° 2	7°14	n.a.	T 7
F 8	14 6 17	1°53'05	24°51	12°33	15° 4	17°37	9°18	14°45	9°45	17°54	10°46	5°43	6°59	7°21	n.a.	F 8
S 9	14 10 14	2°50'09	7♍19	14°34	16°17	18°18	9°31	14°41	9°49	17°53	10°45	5°39	6°56	7°28	n.a.	S 9
S 10	14 14 10	3°47'12	19°34	16°33	17°30	18°59	9°45	14°37	9°52	17°52	10°45	5°35	6°52	7°34	n.a.	S 10
M11	14 18 7	4°44'15	1♎39	18°30	18°44	19°40	9°58	14°32	9°56	17°51	10°45	5°30	6°49	7°41	n.a.	M11
T 12	14 22 4	5°41'17	13°37	20°25	19°57	20°21	10°12	14°28	9°59	17°50	10°44	5°24	6°46	7°48	n.a.	T 12
W13	14 26 0	6°38'19	25°30	22°18	21°11	21° 2	10°25	14°24	10° 3	17°49	10°44	5°20	6°43	7°54	n.a.	W13
T 14	14 29 57	7°35'21	7♏20	24° 8	22°24	21°42	10°39	14°19	10° 7	17°48	10°43	5°16	6°40	8° 1	n.a.	T 14
F 15	14 33 53	8°32'23	19° 8	25°57	23°38	22°23	10°53	14°15	10°10	17°48	10°43	5°14	6°36	8° 8	n.a.	F 15
S 16	14 37 50	9°29'24	0♐58	27°43	24°51	23° 3	11° 6	14°11	10°14	17°47	10°42	5°D13	6°33	8°14	n.a.	S 16
S 17	14 41 46	10°26'26	12°51	29°27	26° 5	23°44	11°20	14° 6	10°17	17°46	10°42	5°13	6°30	8°21	n.a.	S 17
M18	14 45 43	11°23'28	24°51	1♑ 9	27°18	24°25	11°33	14° 2	10°21	17°45	10°41	5°14	6°27	8°28	n.a.	M18
T 19	14 49 40	12°20'31	7♑ 1	2°49	28°31	25° 5	11°47	13°57	10°25	17°44	10°41	5°15	6°24	8°34	n.a.	T 19
W20	14 53 36	13°17'33	19°24	4°27	29°45	25°45	12° 1	13°53	10°28	17°44	10°40	5°17	6°21	8°41	n.a.	W20
T 21	14 57 33	14°14'36	2♒ 4	6° 2	0♑58	26°26	12°14	13°49	10°32	17°43	10°40	5°18	6°17	8°48	n.a.	T 21
F 22	15 1 29	15°11'40	15° 4	7°35	2°12	27° 6	12°28	13°44	10°35	17°42	10°39	5°R18	6°14	8°54	n.a.	F 22
S 23	15 5 26	16° 8'43	28°29	9° 6	3°25	27°46	12°41	13°40	10°39	17°41	10°39	5°18	6°11	9° 1	n.a.	S 23
S 24	15 9 22	17° 5'48	12♓20	10°35	4°38	28°27	12°55	13°35	10°43	17°41	10°38	5°17	6° 8	9° 8	n.a.	S 24
M25	15 13 19	18° 2'52	26°37	12° 2	5°52	29° 7	13° 9	13°31	10°46	17°40	10°37	5°15	6° 5	9°14	n.a.	M25
T 26	15 17 15	18°59'58	11♈16	13°26	7° 5	29°47	13°22	13°27	10°50	17°40	10°36	5°13	6° 2	9°21	n.a.	T 26
W27	15 21 12	19°57'03	26°15	14°48	8°18	0♉27	13°36	13°22	10°53	17°39	10°36	5°11	5°58	9°28	n.a.	W27
T 28	15 25 9	20°54'09	11♉23	16° 7	9°32	1° 7	13°49	13°18	10°57	17°38	10°35	5°10	5°55	9°34	n.a.	T 28
F 29	15 29 5	21°51'16	26°33	17°24	10°45	1°47	14° 3	13°13	11° 0	17°38	10°34	5° 9	5°52	9°41	n.a.	F 29
S 30	15 33 2	22°48'23	11♊35	18°39	11°59	2°27	14°16	13° 9	11° 4	17°37	10°33	5°D 9	5°49	9°48	n.a.	S 30
S 31	15 36 58	23♉45'31	26♊20	19♊51	13♊12	3♉ 7	14♉30	13♏ 5	11♉ 8	17♍37	10♑33	5♊ 9	5♊46	9♏54	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9n56	16n 3	1s34	11n38	0n50	14n 8	0n12	4n51	0s20	13n52	0s30	15s 0	1n47	14n41	0s12	6n45	2n 6	34s20	10s55	21n40	21n57	11s29		n.a.
S 2	10 17	20 56	0 14	12 34	0 59	14 35	0 15	5 8	0 19	13 57	0 30	14 59	1 47	14 42	0 12	6 45	2 6	34 20	10 56	21 40	21 56	11 31		n.a.
S 3	10 38	24 23	1n 5	13 29	1 8	15 1	0 17	5 25	0 19	14 1	0 30	14 58	1 47	14 43	0 12	6 46	2 6	34 20	10 56	21 40	21 56	11 34		n.a.
M 4	10 59	26 10	2 18	14 21	1 16	15 27	0 20	5 42	0 18	14 6	0 30	14 57	1 47	14 44	0 12	6 46	2 6	34 21	10 56	21 40	21 55	11 37		n.a.
T 5	11 20	26 16	3 21	15 12	1 24	15 53	0 22	5 59	0 17	14 10	0 30	14 56	1 47	14 46	0 12	6 47	2 6	34 21	10 57	21 40	21 55	11 40		n.a.
W 6	11 41	24 48	4 11	16 1	1 31	16 18	0 24	6 15	0 17	14 15	0 30	14 54	1 47	14 47	0 12	6 47	2 6	34 21	10 57	21 40	21 54	11 43		n.a.
T 7	12 1	22 3	4 46	16 47	1 37	16 43	0 27	6 32	0 16	14 19	0 30	14 53	1 47	14 48	0 12	6 47	2 6	34 22	10 57	21 40	21 54	11 46		n.a.
F 8	12 21	18 17	5 6	17 32	1 43	17 7	0 29	6 48	0 16	14 24	0 29	14 52	1 47	14 49	0 12	6 48	2 6	34 22	10 58	21 40	21 53	11 49		n.a.
S 9	12 41	13 47	5 12	18 14	1 48	17 31	0 32	7 5	0 15	14 28	0 29	14 51	1 47	14 50	0 12	6 48	2 6	34 22	10 58	21 39	21 52	11 52		n.a.
S 10	13 1	8 50	5 3	18 54	1 53	17 55	0 34	7 21	0 14	14 33	0 29	14 49	1 47	14 51	0 12	6 48	2 6	34 23	10 58	21 38	21 52	11 55		n.a.
M11	13 21	3 36	4 40	19 31	1 57	18 18	0 36	7 37	0 14	14 37	0 29	14 48	1 47	14 53	0 12	6 49	2 6	34 23	10 59	21 37	21 51	11 58		n.a.
T 12	13 40	1s42	4 6	20 6	2 0	18 41	0 39	7 54	0 13	14 42	0 29	14 47	1 47	14 54	0 12	6 49	2 6	34 23	10 59	21 36	21 51	12 1		n.a.
W13	13 59	6 56	3 21	20 39	2 2	19 3	0 41	8 10	0 13	14 46	0 29	14 46	1 47	14 55	0 12	6 49	2 6	34 24	10 59	21 36	21 50	12 4		n.a.
T 14	14 18	11 54	2 27	21 9	2 4	19 25	0 43	8 26	0 12	14 51	0 29	14 44	1 47	14 56	0 12	6 50	2 6	34 24	11 0	21 35	21 50	12 6		n.a.
F 15	14 37	16 26	1 27	21 38	2 5	19 46	0 45	8 42	0 11	14 55	0 29	14 43	1 47	14 57	0 12	6 50	2 6	34 24	11 0	21 34	21 49	12 9		n.a.
S 16	14 55	20 21	0 23	22 3	2 5	20 6	0 47	8 58	0 11	14 59	0 29	14 42	1 47	14 58	0 12	6 50	2 6	34 25	11 0	21 34	21 49	12 12		n.a.
S 17	15 14	23 28	0s42	22 27	2 5	20 26	0 50	9 13	0 10	15 4	0 28	14 41	1 47	15 0	0 12	6 51	2 6	34 25	11 0	21 34	21 48	12 15		n.a.
M18	15 32	25 33	1 46	22 48	2 4	20 46	0 52	9 29	0 10	15 8	0 28	14 39	1 46	15 1	0 12	6 51	2 6	34 25	11 1	21 35	21 48	12 18		n.a.
T 19	15 50	26 28	2 46	23 7	2 3	21 5	0 54	9 45	0 9	15 12	0 28	14 38	1 46	15 2	0 12	6 51	2 6	34 26	11 1	21 35	21 47	12 21		n.a.
W20	16 7	26 5	3 40	23 24	2 0	21 23	0 56	10 0	0 8	15 17	0 28	14 37	1 46	15 3	0 12	6 51	2 6	34 26	11 1	21 35	21 46	12 24		n.a.
T 21	16 25	24 22	4 24	23 39	1 58	21 41	0 58	10 16	0 8	15 21	0 28	14 36	1 46	15 4	0 12	6 52	2 5	34 26	11 2	21 35	21 46	12 27		n.a.
F 22	16 42	21 20	4 56	23 52	1 54	21 58	1 0	10 31	0 7	15 26	0 28	14 34	1 46	15 5	0 12	6 52	2 5	34 27	11 2	21 35	21 45	12 30		n.a.
S 23	16 59	17 6	5 14	24 3	1 50	22 15	1 2	10 47	0 7	15 30	0 28	14 33	1 46	15 7	0 12	6 52	2 5	34 27	11 2	21 35	21 45	12 33		n.a.
S 24	17 15	11 52	5 13	24 12	1 46	22 31	1 4	11 2	0 6	15 34	0 28	14 32	1 46	15 8	0 12	6 52	2 5	34 27	11 2	21 35	21 44	12 35		n.a.
M25	17 32	5 51	4 54	24 19	1 41	22 46	1 6	11 17	0 5	15 38	0 28	14 31	1 46	15 9	0 12	6 53	2 5	34 28	11 3	21 35	21 44	12 38		n.a.
T 26	17 48	0n38	4 16	24 25	1 35	23 1	1 8	11 32	0 5	15 43	0 28	14 29	1 46	15 10	0 12	6 53	2 5	34 28	11 3	21 34	21 43	12 41		n.a.
W27	18 4	7 14	3 19	24 28	1 29	23 15	1 10	11 47	0 4	15 47	0 27	14 28	1 46	15 11	0 12	6 53	2 5	34 28	11 3	21 34	21 43	12 44		n.a.
T 28	18 19	13 30	2 8	24 30	1 22	23 28	1 11	12 2	0 4	15 51	0 27	14 27	1 46	15 12	0 12	6 53	2 5	34 29	11 4	21 34	21 42	12 47		n.a.
F 29	18 34	18 59	0 47	24 31	1 15	23 41	1 13	12 16	0 3	15 55	0 27	14 26	1 46	15 13	0 12	6 53	2 5	34 29	11 4	21 34	21 41	12 50		n.a.
S 30	18 49	23 11	0n36	24 30	1 7	23 53	1 15	12 31	0 2	15 59	0 27	14 24	1 45	15 14	0 12	6 53	2 5	34 29	11 4	21 34	21 41	12 53		n.a.
S 31	19n 4	25n45	1n55	24n28	0n58	24n 4	1n16	12n45	0s 2	16n 4	0s27	14s23	1n45	15n16	0s12	6n53	2n 5	34s30	11s 4	21n34	21n40	12s56		n.a.

Julian Day Number = 1113402.5, Delta T = 10h49m56s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'11, Lahiri = -26°55'11 Julian Calendar 1 May 1665 BCE == Greg. Calendar 17 Apr. 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

JUNE 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 40 55	24♉42'39	10♋43	21♊ 1	14♊25	3♉47	14♉43	13°R 1	11♉11	17°R37	10°R32	5♊10	5♊42	10♏ 1	n.a.	M 1
T 2	15 44 51	25°39'47	24°41	22° 8	15°39	4°27	14°57	12♏56	11°15	17♍36	10♐31	5°11	5°39	10° 8	n.a.	T 2
W 3	15 48 48	26°36'56	8♌12	23°12	16°52	5° 7	15°10	12°52	11°18	17°36	10°30	5°12	5°36	10°14	n.a.	W 3
T 4	15 52 45	27°34'04	21°18	24°13	18° 5	5°46	15°24	12°48	11°22	17°36	10°29	5°12	5°33	10°21	n.a.	T 4
F 5	15 56 41	28°31'13	4♍ 2	25°12	19°19	6°26	15°37	12°44	11°25	17°35	10°28	5°R12	5°30	10°27	n.a.	F 5
S 6	16 0 38	29°28'22	16°27	26° 7	20°32	7° 6	15°51	12°40	11°29	17°35	10°28	5°12	5°27	10°34	n.a.	S 6
S 7	16 4 34	0♊25'32	28°37	26°59	21°45	7°45	16° 4	12°35	11°32	17°35	10°27	5°11	5°23	10°41	n.a.	S 7
M 8	16 8 31	1°22'42	10♎37	27°48	22°58	8°25	16°17	12°31	11°35	17°35	10°26	5°11	5°20	10°47	n.a.	M 8
T 9	16 12 27	2°19'53	22°30	28°33	24°12	9° 4	16°31	12°27	11°39	17°35	10°25	5°11	5°17	10°54	n.a.	T 9
W10	16 16 24	3°17'04	4♏19	29°15	25°25	9°44	16°44	12°23	11°42	17°34	10°24	5°10	5°14	11° 1	n.a.	W10
T 11	16 20 20	4°14'16	16° 8	29°53	26°38	10°23	16°57	12°19	11°46	17°34	10°23	5°10	5°11	11° 7	n.a.	T 11
F 12	16 24 17	5°11'29	27°59	0♋27	27°51	11° 3	17°10	12°16	11°49	17°34	10°22	5°D10	5° 8	11°14	n.a.	F 12
S 13	16 28 14	6° 8'43	9♐54	0°57	29° 4	11°42	17°24	12°12	11°52	17°D34	10°21	5°R10	5° 4	11°21	n.a.	S 13
S 14	16 32 10	7° 5'58	21°56	1°23	0♋18	12°21	17°37	12° 8	11°56	17°34	10°20	5°10	5° 1	11°27	n.a.	S 14
M15	16 36 7	8° 3'14	4♑ 6	1°44	1°31	13° 1	17°50	12° 4	11°59	17°34	10°19	5°10	4°58	11°34	n.a.	M15
T 16	16 40 3	9° 0'30	16°27	2° 1	2°44	13°40	18° 3	12° 0	12° 2	17°34	10°18	5° 9	4°55	11°41	n.a.	T 16
W17	16 44 0	9°57'48	29° 1	2°13	3°57	14°19	18°16	11°57	12° 6	17°34	10°16	5° 9	4°52	11°47	n.a.	W17
T 18	16 47 56	10°55'08	11♒50	2°20	5°10	14°58	18°29	11°53	12° 9	17°35	10°15	5° 8	4°48	11°54	n.a.	T 18
F 19	16 51 53	11°52'28	24°55	2°R21	6°23	15°37	18°42	11°50	12°12	17°35	10°14	5° 8	4°45	12° 1	n.a.	F 19
S 20	16 55 50	12°49'50	8♓19	2°18	7°37	16°16	18°55	11°46	12°15	17°35	10°13	5°D 7	4°42	12° 7	n.a.	S 20
S 21	16 59 46	13°47'13	22° 3	2°10	8°50	16°55	19° 8	11°43	12°19	17°35	10°12	5° 8	4°39	12°14	n.a.	S 21
M22	17 3 43	14°44'38	6♈ 8	1°56	10° 3	17°34	19°21	11°39	12°22	17°35	10°11	5° 8	4°36	12°21	n.a.	M22
T 23	17 7 39	15°42'04	20°32	1°37	11°16	18°13	19°34	11°36	12°25	17°36	10°10	5° 9	4°33	12°27	n.a.	T 23
W24	17 11 36	16°39'32	5♉12	1°14	12°29	18°52	19°47	11°33	12°28	17°36	10° 9	5°10	4°29	12°34	n.a.	W24
T 25	17 15 32	17°37'01	20° 3	0°45	13°42	19°31	19°59	11°30	12°31	17°36	10° 7	5°10	4°26	12°41	n.a.	T 25
F 26	17 19 29	18°34'31	5♊ 0	0°12	14°55	20°10	20°12	11°27	12°34	17°37	10° 6	5°R11	4°23	12°47	n.a.	F 26
S 27	17 23 25	19°32'03	19°53	29♊34	16° 8	20°49	20°25	11°24	12°37	17°37	10° 5	5°10	4°20	12°54	n.a.	S 27
S 28	17 27 22	20°29'37	4♋35	28°53	17°21	21°27	20°37	11°21	12°40	17°38	10° 4	5° 9	4°17	13° 1	n.a.	S 28
M29	17 31 19	21°27'12	19° 0	28° 8	18°34	22° 6	20°50	11°18	12°43	17°38	10° 3	5° 7	4°14	13° 7	n.a.	M29
T 30	17 35 15	22♊24'48	3♌ 1	27♊21	19♋47	22♉45	21♉ 3	11♏15	12♉46	17♍39	10♐ 1	5♊ 5	4♊10	13♏14	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n18	26n31	3n 5	24n24	0n50	24n15	1n18	13n 0	0s 1	16n 8	0s27	14s22	1n45	15n17	0s12	6n54	2n 5	34s30	11s 5	21n34	21n40	12s58		n.a.
T 2	19 32	25 33	4 1	24 19	0 40	24 25	1 19	13 14	0 0	16 12	0 27	14 21	1 45	15 18	0 12	6 54	2 5	34 30	11 5	21 34	21 39	13 1		n.a.
W 3	19 46	23 6	4 43	24 13	0 31	24 34	1 21	13 28	0n 0	16 16	0 27	14 20	1 45	15 19	0 12	6 54	2 5	34 31	11 5	21 34	21 39	13 4		n.a.
T 4	19 59	19 31	5 8	24 6	0 20	24 43	1 22	13 42	0 1	16 20	0 27	14 18	1 45	15 20	0 12	6 54	2 5	34 31	11 5	21 34	21 38	13 7		n.a.
F 5	20 12	15 7	5 17	23 58	0 10	24 50	1 24	13 56	0 1	16 24	0 27	14 17	1 45	15 21	0 12	6 54	2 5	34 31	11 6	21 34	21 37	13 10		n.a.
S 6	20 25	10 12	5 11	23 49	0s 1	24 57	1 25	14 10	0 2	16 28	0 27	14 16	1 45	15 22	0 12	6 54	2 4	34 32	11 6	21 34	21 37	13 13		n.a.
S 7	20 37	5 0	4 51	23 38	0 13	25 4	1 26	14 24	0 3	16 32	0 26	14 15	1 45	15 23	0 12	6 54	2 4	34 32	11 6	21 34	21 36	13 16		n.a.
M 8	20 49	0s19	4 19	23 28	0 25	25 9	1 27	14 38	0 3	16 36	0 26	14 14	1 44	15 24	0 12	6 54	2 4	34 32	11 6	21 34	21 36	13 19		n.a.
T 9	21 1	5 35	3 35	23 16	0 37	25 14	1 28	14 51	0 4	16 40	0 26	14 13	1 44	15 26	0 12	6 54	2 4	34 33	11 7	21 34	21 35	13 21		n.a.
W10	21 12	10 39	2 43	23 4	0 49	25 18	1 30	15 4	0 5	16 44	0 26	14 12	1 44	15 27	0 12	6 54	2 4	34 33	11 7	21 34	21 35	13 24		n.a.
T 11	21 23	15 19	1 44	22 51	1 2	25 21	1 31	15 18	0 5	16 48	0 26	14 11	1 44	15 28	0 12	6 54	2 4	34 33	11 7	21 34	21 34	13 27		n.a.
F 12	21 34	19 26	0 40	22 38	1 15	25 24	1 31	15 31	0 6	16 52	0 26	14 10	1 44	15 29	0 12	6 54	2 4	34 34	11 7	21 34	21 33	13 30		n.a.
S 13	21 44	22 47	0s26	22 25	1 29	25 25	1 32	15 44	0 6	16 56	0 26	14 8	1 44	15 30	0 12	6 54	2 4	34 34	11 7	21 34	21 33	13 33		n.a.
S 14	21 54	25 10	1 32	22 11	1 42	25 26	1 33	15 57	0 7	17 0	0 26	14 7	1 44	15 31	0 12	6 54	2 4	34 34	11 8	21 34	21 32	13 36		n.a.
M15	22 4	26 23	2 34	21 57	1 56	25 27	1 34	16 9	0 8	17 3	0 26	14 6	1 43	15 32	0 12	6 54	2 4	34 34	11 8	21 34	21 32	13 39		n.a.
T 16	22 13	26 19	3 30	21 43	2 10	25 26	1 35	16 22	0 8	17 7	0 26	14 5	1 43	15 33	0 12	6 54	2 4	34 35	11 8	21 34	21 31	13 41		n.a.
W17	22 22	24 55	4 16	21 29	2 23	25 25	1 35	16 35	0 9	17 11	0 26	14 4	1 43	15 34	0 12	6 54	2 4	34 35	11 8	21 34	21 30	13 44		n.a.
T 18	22 30	22 13	4 51	21 15	2 37	25 23	1 36	16 47	0 10	17 15	0 25	14 3	1 43	15 35	0 12	6 53	2 4	34 35	11 8	21 33	21 30	13 47		n.a.
F 19	22 38	18 21	5 12	21 2	2 50	25 20	1 36	16 59	0 10	17 18	0 25	14 3	1 43	15 36	0 12	6 53	2 4	34 36	11 9	21 33	21 29	13 50		n.a.
S 20	22 46	13 29	5 17	20 49	3 4	25 16	1 36	17 11	0 11	17 22	0 25	14 2	1 43	15 37	0 12	6 53	2 4	34 36	11 9	21 33	21 29	13 53		n.a.
S 21	22 53	7 50	5 4	20 36	3 16	25 12	1 37	17 23	0 12	17 26	0 25	14 1	1 42	15 38	0 12	6 53	2 4	34 36	11 9	21 33	21 28	13 56		n.a.
M22	23 0	1 40	4 32	20 24	3 29	25 7	1 37	17 35	0 12	17 29	0 25	14 0	1 42	15 39	0 12	6 53	2 3	34 36	11 9	21 33	21 27	13 58		n.a.
T 23	23 6	4n44	3 43	20 12	3 40	25 1	1 37	17 47	0 13	17 33	0 25	13 59	1 42	15 40	0 12	6 53	2 3	34 37	11 9	21 34	21 27	14 1		n.a.
W24	23 12	11 1	2 39	20 2	3 51	24 54	1 37	17 58	0 13	17 37	0 25	13 58	1 42	15 41	0 12	6 53	2 3	34 37	11 10	21 34	21 26	14 4		n.a.
T 25	23 18	16 46	1 23	19 52	4 1	24 47	1 37	18 10	0 14	17 40	0 25	13 57	1 42	15 42	0 12	6 52	2 3	34 37	11 10	21 34	21 26	14 7		n.a.
F 26	23 23	21 31	0 1	19 43	4 10	24 39	1 37	18 21	0 15	17 44	0 25	13 57	1 42	15 43	0 12	6 52	2 3	34 37	11 10	21 34	21 25	14 10		n.a.
S 27	23 28	24 50	1n21	19 35	4 18	24 30	1 37	18 32	0 15	17 47	0 25	13 56	1 41	15 44	0 12	6 52	2 3	34 38	11 10	21 34	21 24	14 13		n.a.
S 28	23 32	26 24	2 36	19 29	4 24	24 21	1 37	18 43	0 16	17 51	0 25	13 55	1 41	15 45	0 12	6 52	2 3	34 38	11 10	21 34	21 24	14 15		n.a.
M29	23 36	26 8	3 39	19 23	4 29	24 10	1 37	18 54	0 17	17 54	0 25	13 54	1 41	15 46	0 12	6 51	2 3	34 38	11 10	21 33	21 23	14 18		n.a.
T 30	23n40	24n11	4n28	19n19	4s32	23n59	1n36	19n 5	0n17	17n58	0s25	13s54	1n41	15n47	0s12	6n51	2n 3	34s38	11s10	21n33	21n23	14s21		n.a.

Julian Day Number = 1113433.5, Delta T = 10h49m54s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'07, Lahiri = -26°55'07 Julian Calendar 1 June 1665 BCE == Greg. Calendar 18 May 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

JULY 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 39 12	23♊22'25	16♌38	26°R32	21♋ 0	23♉23	21♉15	11°R13	12♉49	17♍39	10°R 0	5°R 3	4♊ 7	13♏21	n.a.	W 1
T 2	17 43 8	24°20'03	29°49	25♊43	22°13	24° 2	21°27	11♏10	12°52	17°40	9♑59	5♊ 1	4° 4	13°27	n.a.	T 2
F 3	17 47 5	25°17'42	12♍36	24°53	23°26	24°40	21°40	11° 7	12°55	17°40	9°58	4°59	4° 1	13°34	n.a.	F 3
S 4	17 51 1	26°15'23	25° 2	24° 4	24°39	25°19	21°52	11° 5	12°58	17°41	9°56	4°D59	3°58	13°41	n.a.	S 4
S 5	17 54 58	27°13'05	7♎12	23°18	25°52	25°57	22° 4	11° 2	13° 1	17°42	9°55	4°59	3°54	13°47	n.a.	S 5
M 6	17 58 55	28°10'48	19°10	22°34	27° 5	26°36	22°17	11° 0	13° 4	17°42	9°54	5° 0	3°51	13°54	n.a.	M 6
T 7	18 2 51	29° 8'32	1♏ 1	21°55	28°17	27°14	22°29	10°58	13° 6	17°43	9°53	5° 2	3°48	14° 1	n.a.	T 7
W 8	18 6 48	0♋ 6'18	12°50	21°20	29°30	27°52	22°41	10°56	13° 9	17°44	9°51	5° 4	3°45	14° 7	n.a.	W 8
T 9	18 10 44	1° 4'05	24°40	20°50	0♌43	28°31	22°53	10°54	13°12	17°45	9°50	5° 5	3°42	14°14	n.a.	T 9
F 10	18 14 41	2° 1'54	6♐35	20°27	1°56	29° 9	23° 5	10°52	13°14	17°45	9°49	5°R 5	3°39	14°21	n.a.	F 10
S 11	18 18 37	2°59'45	18°38	20°11	3° 9	29°47	23°17	10°50	13°17	17°46	9°47	5° 5	3°35	14°27	n.a.	S 11
S 12	18 22 34	3°57'37	0♑52	20° 2	4°21	0♊25	23°28	10°48	13°20	17°47	9°46	5° 2	3°32	14°34	n.a.	S 12
M13	18 26 30	4°55'31	13°18	20°D 0	5°34	1° 3	23°40	10°46	13°22	17°48	9°45	4°59	3°29	14°40	n.a.	M13
T 14	18 30 27	5°53'26	25°57	20° 6	6°47	1°41	23°52	10°45	13°25	17°49	9°44	4°54	3°26	14°47	n.a.	T 14
W15	18 34 24	6°51'24	8♒49	20°21	7°59	2°19	24° 3	10°43	13°27	17°50	9°42	4°49	3°23	14°54	n.a.	W15
T 16	18 38 20	7°49'23	21°55	20°43	9°12	2°57	24°15	10°42	13°30	17°51	9°41	4°44	3°20	15° 0	n.a.	T 16
F 17	18 42 17	8°47'24	5♓14	21°13	10°25	3°35	24°26	10°41	13°32	17°52	9°40	4°39	3°16	15° 7	n.a.	F 17
S 18	18 46 13	9°45'27	18°46	21°51	11°37	4°13	24°38	10°39	13°34	17°53	9°38	4°36	3°13	15°14	n.a.	S 18
S 19	18 50 10	10°43'33	2♈31	22°37	12°50	4°51	24°49	10°38	13°37	17°54	9°37	4°35	3°10	15°20	n.a.	S 19
M20	18 54 6	11°41'40	16°29	23°31	14° 2	5°29	25° 0	10°37	13°39	17°55	9°36	4°D34	3° 7	15°27	n.a.	M20
T 21	18 58 3	12°39'50	0♉39	24°31	15°15	6° 7	25°11	10°36	13°41	17°57	9°34	4°35	3° 4	15°34	n.a.	T 21
W22	19 1 59	13°38'02	14°59	25°39	16°27	6°45	25°23	10°35	13°43	17°58	9°33	4°37	3° 0	15°40	n.a.	W22
T 23	19 5 56	14°36'16	29°28	26°53	17°40	7°22	25°33	10°35	13°46	17°59	9°32	4°R38	2°57	15°47	n.a.	T 23
F 24	19 9 52	15°34'33	14♊ 1	28°12	18°52	8° 0	25°44	10°34	13°48	18° 0	9°31	4°37	2°54	15°54	n.a.	F 24
S 25	19 13 49	16°32'51	28°33	29°37	20° 4	8°38	25°55	10°33	13°50	18° 1	9°29	4°35	2°51	16° 0	n.a.	S 25
S 26	19 17 46	17°31'12	12♋59	1♋ 8	21°17	9°15	26° 6	10°33	13°52	18° 3	9°28	4°31	2°48	16° 7	n.a.	S 26
M27	19 21 42	18°29'35	27°12	2°42	22°29	9°53	26°17	10°32	13°54	18° 4	9°27	4°25	2°45	16°14	n.a.	M27
T 28	19 25 39	19°28'00	11♌ 7	4°20	23°41	10°30	26°27	10°32	13°56	18° 5	9°25	4°18	2°41	16°20	n.a.	T 28
W29	19 29 35	20°26'26	24°42	6° 2	24°54	11° 8	26°37	10°32	13°58	18° 7	9°24	4°10	2°38	16°27	n.a.	W29
T 30	19 33 32	21°24'54	7♍53	7°47	26° 6	11°45	26°48	10°D32	14° 0	18° 8	9°23	4° 3	2°35	16°34	n.a.	T 30
F 31	19 37 28	22♋23'24	20♍41	9♋34	27♌18	12♊22	26♉58	10♏32	14♉ 1	18♍10	9♑22	3♊57	2♊32	16♏40	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23n43	20n54	5n 0	19n17	4s34	23n48	1n36	19n16	0n18	18n 1	0s24	13s53	1n41	15n48	0s12	6n51	2n 3	34s39	11s11	21n32	21n22	14s24			n.a.
T 2	23 46	16 38	5 14	19 16	4 33	23 35	1 35	19 26	0 19	18 4	0 24	13 52	1 40	15 48	0 12	6 51	2 3	34 39	11 11	21 32	21 21	14 27			n.a.
F 3	23 48	11 45	5 13	19 16	4 31	23 22	1 35	19 36	0 19	18 8	0 24	13 52	1 40	15 49	0 12	6 50	2 3	34 39	11 11	21 32	21 21	14 29			n.a.
S 4	23 50	6 32	4 57	19 18	4 27	23 8	1 34	19 46	0 20	18 11	0 24	13 51	1 40	15 50	0 12	6 50	2 3	34 39	11 11	21 32	21 20	14 32			n.a.
S 5	23 52	1 10	4 27	19 22	4 21	22 54	1 33	19 56	0 21	18 14	0 24	13 51	1 40	15 51	0 12	6 50	2 3	34 40	11 11	21 32	21 20	14 35			n.a.
M 6	23 53	4s 9	3 47	19 27	4 14	22 39	1 33	20 6	0 21	18 18	0 24	13 50	1 40	15 52	0 12	6 49	2 3	34 40	11 11	21 32	21 19	14 38			n.a.
T 7	23 53	9 17	2 57	19 34	4 4	22 23	1 32	20 16	0 22	18 21	0 24	13 50	1 39	15 53	0 12	6 49	2 2	34 40	11 11	21 32	21 18	14 41			n.a.
W 8	23 53	14 5	2 0	19 43	3 54	22 7	1 31	20 25	0 22	18 24	0 24	13 49	1 39	15 54	0 12	6 49	2 2	34 40	11 11	21 33	21 18	14 43			n.a.
T 9	23 53	18 22	0 57	19 53	3 41	21 50	1 30	20 35	0 23	18 27	0 24	13 49	1 39	15 54	0 12	6 48	2 2	34 40	11 12	21 33	21 17	14 46			n.a.
F 10	23 52	21 57	0s 8	20 5	3 28	21 32	1 29	20 44	0 24	18 30	0 24	13 48	1 39	15 55	0 12	6 48	2 2	34 41	11 12	21 33	21 17	14 49			n.a.
S 11	23 51	24 37	1 14	20 18	3 13	21 14	1 27	20 53	0 24	18 34	0 24	13 48	1 39	15 56	0 12	6 47	2 2	34 41	11 12	21 33	21 16	14 52			n.a.
S 12	23 50	26 10	2 17	20 33	2 58	20 55	1 26	21 2	0 25	18 37	0 24	13 47	1 38	15 57	0 12	6 47	2 2	34 41	11 12	21 32	21 15	14 55			n.a.
M13	23 48	26 26	3 14	20 49	2 42	20 36	1 25	21 11	0 26	18 40	0 24	13 47	1 38	15 58	0 12	6 47	2 2	34 41	11 12	21 32	21 15	14 57			n.a.
T 14	23 45	25 20	4 3	21 6	2 26	20 16	1 23	21 19	0 26	18 43	0 24	13 47	1 38	15 58	0 12	6 46	2 2	34 41	11 12	21 31	21 14	15 0			n.a.
W15	23 42	22 54	4 40	21 23	2 9	19 56	1 22	21 28	0 27	18 46	0 23	13 46	1 38	15 59	0 12	6 46	2 2	34 42	11 12	21 30	21 14	15 3			n.a.
T 16	23 39	19 15	5 4	21 42	1 52	19 35	1 20	21 36	0 28	18 49	0 23	13 46	1 38	16 0	0 12	6 45	2 2	34 42	11 12	21 29	21 13	15 6			n.a.
F 17	23 35	14 35	5 12	22 1	1 35	19 13	1 19	21 44	0 28	18 52	0 23	13 46	1 37	16 1	0 12	6 45	2 2	34 42	11 12	21 28	21 12	15 8			n.a.
S 18	23 31	9 8	5 2	22 20	1 18	18 51	1 17	21 52	0 29	18 54	0 23	13 46	1 37	16 1	0 12	6 44	2 2	34 42	11 12	21 28	21 12	15 11			n.a.
S 19	23 27	3 11	4 36	22 39	1 2	18 29	1 15	22 0	0 30	18 57	0 23	13 46	1 37	16 2	0 12	6 44	2 2	34 42	11 12	21 27	21 11	15 14			n.a.
M20	23 22	3n 2	3 52	22 58	0 46	18 5	1 13	22 7	0 30	19 0	0 23	13 46	1 37	16 3	0 12	6 43	2 2	34 42	11 12	21 27	21 10	15 17			n.a.
T 21	23 16	9 12	2 54	23 17	0 30	17 42	1 11	22 15	0 31	19 3	0 23	13 45	1 36	16 4	0 12	6 43	2 2	34 43	11 12	21 27	21 10	15 20			n.a.
W22	23 11	14 58	1 45	23 34	0 15	17 18	1 9	22 22	0 32	19 6	0 23	13 45	1 36	16 4	0 12	6 42	2 2	34 43	11 12	21 28	21 9	15 22			n.a.
T 23	23 4	19 57	0 28	23 51	0 1	16 53	1 7	22 29	0 32	19 8	0 23	13 45	1 36	16 5	0 12	6 42	2 2	34 43	11 12	21 28	21 9	15 25			n.a.
F 24	22 58	23 45	0n51	24 6	0n13	16 29	1 5	22 36	0 33	19 11	0 23	13 45	1 36	16 6	0 12	6 41	2 1	34 43	11 12	21 28	21 8	15 28			n.a.
S 25	22 51	25 59	2 6	24 19	0 26	16 3	1 3	22 43	0 34	19 14	0 23	13 45	1 36	16 6	0 12	6 41	2 1	34 43	11 12	21 27	21 7	15 31			n.a.
S 26	22 43	26 26	3 13	24 31	0 38	15 38	1 0	22 49	0 34	19 16	0 23	13 45	1 35	16 7	0 12	6 40	2 1	34 43	11 12	21 27	21 7	15 33			n.a.
M27	22 35	25 8	4 6	24 40	0 49	15 11	0 58	22 56	0 35	19 19	0 23	13 45	1 35	16 7	0 12	6 39	2 1	34 43	11 12	21 26	21 6	15 36			n.a.
T 28	22 27	22 18	4 44	24 48	0 59	14 45	0 56	23 2	0 36	19 22	0 23	13 46	1 35	16 8	0 12	6 39	2 1	34 43	11 12	21 24	21 5	15 39			n.a.
W29	22 18	18 18	5 4	24 53	1 8	14 18	0 53	23 8	0 37	19 24	0 23	13 46	1 35	16 9	0 12	6 38	2 1	34 43	11 12	21 23	21 5	15 42			n.a.
T 30	22 9	13 30	5 7	24 55	1 16	13 51	0 51	23 14	0 37	19 27	0 22	13 46	1 34	16 9	0 12	6 38	2 1	34 44	11 12	21 21	21 4	15 44			n.a.
F 31	21n59	8n16	4n55	24n55	1n23	13n23	0n48	23n20	0n38	19n29	0s22	13s46	1n34	16n10	0s12	6n37	2n 1	34s44	11s12	21n20	21n 4	15s47			n.a.

Julian Day Number = 1113463.5, Delta T = 10h49m52s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°02'03, Lahiri = -26°55'03 Julian Calendar 1 July 1665 BCE == Greg. Calendar 17 June 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

AUGUST 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 41 25	23♋21'56	3♎ 8	11♋23	28♌30	13♊ 0	27♉ 8	10♏32	14♉ 3	18♍11	9°R20	3°R53	2♊29	16♏47	n.a.	S 1
S 2	19 45 21	24°20'30	15°19	13°13	29°42	13°37	27°18	10°32	14° 5	18°13	9♑19	3♊51	2°25	16°54	n.a.	S 2
M 3	19 49 18	25°19'05	27°17	15° 4	0♍55	14°14	27°28	10°32	14° 7	18°14	9°18	3°D50	2°22	17° 0	n.a.	M 3
T 4	19 53 15	26°17'43	9♏ 8	16°57	2° 7	14°51	27°38	10°33	14° 8	18°16	9°17	3°51	2°19	17° 7	n.a.	T 4
W 5	19 57 11	27°16'22	20°56	18°49	3°19	15°29	27°48	10°33	14°10	18°17	9°15	3°52	2°16	17°13	n.a.	W 5
T 6	20 1 8	28°15'03	2♐48	20°42	4°31	16° 6	27°57	10°34	14°11	18°19	9°14	3°R53	2°13	17°20	n.a.	T 6
F 7	20 5 4	29°13'47	14°47	22°35	5°43	16°43	28° 7	10°35	14°13	18°20	9°13	3°52	2°10	17°27	n.a.	F 7
S 8	20 9 1	0♑12'32	26°58	24°28	6°54	17°20	28°16	10°35	14°14	18°22	9°12	3°49	2° 6	17°33	n.a.	S 8
S 9	20 12 57	1°11'19	9♑24	26°21	8° 6	17°57	28°26	10°36	14°16	18°24	9°10	3°44	2° 3	17°40	n.a.	S 9
M10	20 16 54	2°10'08	22° 6	28°12	9°18	18°34	28°35	10°37	14°17	18°25	9° 9	3°37	2° 0	17°47	n.a.	M10
T 11	20 20 50	3° 8'59	5♒ 5	0♑ 4	10°30	19°10	28°44	10°38	14°18	18°27	9° 8	3°28	1°57	17°53	n.a.	T 11
W12	20 24 47	4° 7'53	18°21	1°55	11°41	19°47	28°53	10°40	14°20	18°29	9° 7	3°17	1°54	18° 0	n.a.	W12
T 13	20 28 44	5° 6'48	1♓51	3°44	12°53	20°24	29° 2	10°41	14°21	18°30	9° 6	3° 7	1°51	18° 7	n.a.	T 13
F 14	20 32 40	6° 5'46	15°33	5°34	14° 5	21° 1	29°10	10°42	14°22	18°32	9° 5	2°58	1°47	18°13	n.a.	F 14
S 15	20 36 37	7° 4'46	29°23	7°22	15°16	21°38	29°19	10°44	14°23	18°34	9° 4	2°50	1°44	18°20	n.a.	S 15
S 16	20 40 33	8° 3'49	13♈21	9° 9	16°28	22°14	29°27	10°45	14°24	18°36	9° 2	2°45	1°41	18°27	n.a.	S 16
M17	20 44 30	9° 2'54	27°23	10°56	17°39	22°51	29°36	10°47	14°25	18°38	9° 1	2°43	1°38	18°33	n.a.	M17
T 18	20 48 26	10° 2'02	11♉28	12°42	18°51	23°27	29°44	10°49	14°26	18°39	9° 0	2°D42	1°35	18°40	n.a.	T 18
W19	20 52 23	11° 1'12	25°35	14°27	20° 2	24° 4	29°52	10°51	14°27	18°41	8°59	2°R43	1°31	18°47	n.a.	W19
T 20	20 56 19	12° 0'25	9♊44	16°11	21°13	24°40	29°59	10°52	14°28	18°43	8°58	2°43	1°28	18°53	n.a.	T 20
F 21	21 0 16	12°59'41	23°52	17°54	22°25	25°17	0♊ 8	10°55	14°29	18°45	8°57	2°41	1°25	19° 0	n.a.	F 21
S 22	21 4 12	13°58'58	7♋58	19°36	23°36	25°53	0°15	10°57	14°29	18°47	8°56	2°37	1°22	19° 7	n.a.	S 22
S 23	21 8 9	14°58'19	21°59	21°18	24°47	26°29	0°23	10°59	14°30	18°49	8°55	2°30	1°19	19°13	n.a.	S 23
M24	21 12 6	15°57'41	5♌50	22°58	25°58	27° 6	0°30	11° 1	14°31	18°51	8°54	2°20	1°16	19°20	n.a.	M24
T 25	21 16 2	16°57'06	19°29	24°38	27° 9	27°42	0°37	11° 4	14°31	18°53	8°53	2° 8	1°12	19°27	n.a.	T 25
W26	21 19 59	17°56'33	2♍50	26°17	28°20	28°18	0°44	11° 6	14°32	18°55	8°52	1°56	1° 9	19°33	n.a.	W26
T 27	21 23 55	18°56'02	15°53	27°55	29°31	28°54	0°51	11° 9	14°32	18°57	8°51	1°44	1° 6	19°40	n.a.	T 27
F 28	21 27 52	19°55'33	28°37	29°33	0♎42	29°30	0°58	11°11	14°33	18°59	8°50	1°33	1° 3	19°46	n.a.	F 28
S 29	21 31 48	20°55'06	11♎ 2	1♍10	1°53	0♋ 6	1° 5	11°14	14°33	19° 1	8°49	1°25	1° 0	19°53	n.a.	S 29
S 30	21 35 45	21°54'41	23°11	2°46	3° 3	0°42	1°11	11°17	14°33	19° 3	8°48	1°19	0°57	20° 0	n.a.	S 30
M31	21 39 41	22♌54'18	5♏ 8	4♍21	4♎14	1♋18	1♊18	11♏20	14♉33	19♍ 5	8♑48	1♊16	0♊53	20♏ 6	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n49	2n50	4n29	24n52	1n29	12n55	0n45	23n25	0n39	19n31	0s22	13s46	1n34	16n10	0s12	6n36	2n 1	34s44	11s12	21n19	21n 3	15s50		n.a.
S 2	21 39	2s36	3 51	24 47	1 35	12 27	0 42	23 31	0 39	19 34	0 22	13 47	1 34	16 11	0 12	6 36	2 1	34 44	11 12	21 19	21 2	15 52		n.a.
M 3	21 28	7 50	3 4	24 40	1 39	11 58	0 40	23 36	0 40	19 36	0 22	13 47	1 34	16 11	0 12	6 35	2 1	34 44	11 12	21 19	21 2	15 55		n.a.
T 4	21 17	12 46	2 9	24 29	1 43	11 29	0 37	23 41	0 41	19 39	0 22	13 47	1 33	16 12	0 12	6 34	2 1	34 44	11 12	21 19	21 1	15 58		n.a.
W 5	21 6	17 13	1 9	24 17	1 46	11 0	0 34	23 46	0 41	19 41	0 22	13 48	1 33	16 12	0 12	6 34	2 1	34 44	11 12	21 19	21 0	16 1		n.a.
T 6	20 54	21 1	0 6	24 2	1 48	10 31	0 31	23 51	0 42	19 43	0 22	13 48	1 33	16 13	0 12	6 33	2 1	34 44	11 12	21 19	21 0	16 3		n.a.
F 7	20 42	23 58	0s58	23 45	1 49	10 1	0 28	23 55	0 43	19 45	0 22	13 49	1 33	16 13	0 12	6 32	2 1	34 44	11 12	21 19	20 59	16 6		n.a.
S 8	20 29	25 52	2 1	23 26	1 50	9 31	0 25	24 0	0 43	19 48	0 22	13 49	1 32	16 14	0 12	6 32	2 1	34 44	11 12	21 19	20 58	16 9		n.a.
S 9	20 16	26 31	2 58	23 4	1 50	9 1	0 22	24 4	0 44	19 50	0 22	13 49	1 32	16 14	0 12	6 31	2 1	34 44	11 12	21 18	20 58	16 12		n.a.
M10	20 3	25 47	3 48	22 41	1 49	8 31	0 18	24 8	0 45	19 52	0 22	13 50	1 32	16 14	0 12	6 30	2 1	34 44	11 12	21 16	20 57	16 14		n.a.
T 11	19 49	23 40	4 28	22 16	1 48	8 0	0 15	24 12	0 46	19 54	0 22	13 51	1 32	16 15	0 12	6 30	2 1	34 44	11 12	21 15	20 56	16 17		n.a.
W12	19 35	20 15	4 54	21 50	1 46	7 29	0 12	24 15	0 46	19 56	0 22	13 51	1 32	16 15	0 12	6 29	2 0	34 44	11 12	21 13	20 56	16 20		n.a.
T 13	19 21	15 43	5 4	21 22	1 44	6 59	0 8	24 19	0 47	19 58	0 22	13 52	1 31	16 16	0 12	6 28	2 0	34 44	11 12	21 10	20 55	16 22		n.a.
F 14	19 6	10 20	4 56	20 52	1 41	6 27	0 5	24 22	0 48	20 0	0 22	13 52	1 31	16 16	0 12	6 27	2 0	34 44	11 12	21 9	20 55	16 25		n.a.
S 15	18 51	4 23	4 32	20 22	1 38	5 56	0 2	24 25	0 48	20 2	0 21	13 53	1 31	16 16	0 12	6 27	2 0	34 44	11 12	21 7	20 54	16 28		n.a.
S 16	18 36	1n49	3 51	19 50	1 35	5 25	0s 2	24 28	0 49	20 4	0 21	13 54	1 31	16 16	0 12	6 26	2 0	34 44	11 12	21 6	20 53	16 30		n.a.
M17	18 20	8 0	2 56	19 16	1 31	4 53	0 5	24 31	0 50	20 6	0 21	13 54	1 31	16 17	0 12	6 25	2 0	34 44	11 11	21 6	20 53	16 33		n.a.
T 18	18 4	13 48	1 51	18 42	1 27	4 22	0 9	24 34	0 51	20 8	0 21	13 55	1 30	16 17	0 12	6 24	2 0	34 44	11 11	21 6	20 52	16 36		n.a.
W19	17 47	18 54	0 38	18 7	1 23	3 50	0 12	24 36	0 51	20 9	0 21	13 56	1 30	16 17	0 12	6 24	2 0	34 44	11 11	21 6	20 51	16 38		n.a.
T 20	17 31	22 56	0n37	17 31	1 18	3 18	0 16	24 39	0 52	20 11	0 21	13 57	1 30	16 18	0 12	6 23	2 0	34 44	11 11	21 6	20 51	16 41		n.a.
F 21	17 14	25 34	1 50	16 54	1 13	2 46	0 20	24 41	0 53	20 13	0 21	13 58	1 30	16 18	0 12	6 22	2 0	34 44	11 11	21 5	20 50	16 44		n.a.
S 22	16 56	26 34	2 56	16 17	1 8	2 14	0 23	24 43	0 53	20 15	0 21	13 59	1 29	16 18	0 12	6 21	2 0	34 44	11 11	21 5	20 49	16 47		n.a.
S 23	16 39	25 50	3 50	15 39	1 2	1 42	0 27	24 45	0 54	20 16	0 21	13 59	1 29	16 18	0 12	6 20	2 0	34 44	11 11	21 3	20 49	16 49		n.a.
M24	16 21	23 31	4 30	15 0	0 56	1 10	0 31	24 46	0 55	20 18	0 21	14 0	1 29	16 18	0 12	6 20	2 0	34 44	11 11	21 1	20 48	16 52		n.a.
T 25	16 3	19 54	4 54	14 21	0 51	0 38	0 34	24 48	0 56	20 20	0 21	14 1	1 29	16 19	0 12	6 19	2 0	34 44	11 11	20 59	20 47	16 55		n.a.
W26	15 44	15 19	5 1	13 41	0 45	0 6	0 38	24 49	0 56	20 21	0 21	14 2	1 29	16 19	0 12	6 18	2 0	34 44	11 10	20 56	20 47	16 57		n.a.
T 27	15 26	10 8	4 52	13 1	0 38	0s27	0 42	24 50	0 57	20 23	0 21	14 3	1 28	16 19	0 12	6 17	2 0	34 44	11 10	20 54	20 46	17 0		n.a.
F 28	15 7	4 39	4 29	12 21	0 32	0 59	0 46	24 51	0 58	20 24	0 21	14 4	1 28	16 19	0 12	6 16	2 0	34 44	11 10	20 52	20 45	17 2		n.a.
S 29	14 48	0s53	3 53	11 40	0 26	1 31	0 50	24 52	0 59	20 26	0 21	14 6	1 28	16 19	0 12	6 15	2 0	34 44	11 10	20 50	20 45	17 5		n.a.
S 30	14 28	6 17	3 7	10 59	0 19	2 3	0 53	24 53	0 59	20 27	0 21	14 7	1 28	16 19	0 12	6 15	2 0	34 44	11 10	20 49	20 44	17 8		n.a.
M31	14n 8	11s23	2n14	10n17	0n12	2s35	0s57	24n53	1n 0	20n28	0s20	14s 8	1n28	16n19	0s12	6n14	2n 0	34s44	11s10	20n48	20n43	17s10		n.a.

Julian Day Number = 1113494.5, Delta T = 10h49m51s
Ecliptic obliquity = 23°53'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'59, Lahiri = -26°54'58 Julian Calendar 1 Aug. 1665 BCE == Greg. Calendar 18 July 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

SEPTEMBER 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 43 38	23♌53'57	16♏58	5♍55	5♎25	1♋54	1♊24	11♏23	14♉34	19♍ 7	8°R47	1°R15	0♊50	20♏13	n.a.	T 1
W 2	21 47 34	24°53'38	28°46	7°29	6°35	2°30	1°30	11°26	14°34	19° 9	8♑46	1♊15	0°47	20°20	n.a.	W 2
T 3	21 51 31	25°53'20	10♐38	9° 2	7°46	3° 5	1°36	11°30	14°34	19°11	8°45	1°15	0°44	20°26	n.a.	T 3
F 4	21 55 28	26°53'05	22°38	10°35	8°56	3°41	1°41	11°33	14°R34	19°13	8°44	1°13	0°41	20°33	n.a.	F 4
S 5	21 59 24	27°52'52	4♑53	12° 7	10° 6	4°17	1°47	11°36	14°34	19°15	8°43	1°10	0°37	20°40	n.a.	S 5
S 6	22 3 21	28°52'41	17°26	13°38	11°16	4°52	1°52	11°40	14°34	19°18	8°43	1° 4	0°34	20°46	n.a.	S 6
M 7	22 7 17	29°52'31	0♒19	15° 8	12°26	5°28	1°58	11°43	14°34	19°20	8°42	0°55	0°31	20°53	n.a.	M 7
T 8	22 11 14	0♍52'24	13°35	16°38	13°37	6° 3	2° 3	11°47	14°34	19°22	8°41	0°43	0°28	21° 0	n.a.	T 8
W 9	22 15 10	1°52'18	27°12	18° 8	14°46	6°38	2° 8	11°51	14°33	19°24	8°41	0°31	0°25	21° 6	n.a.	W 9
T 10	22 19 7	2°52'14	11♓ 8	19°36	15°56	7°14	2°12	11°55	14°33	19°26	8°40	0°18	0°22	21°13	n.a.	T 10
F 11	22 23 3	3°52'13	25°17	21° 4	17° 6	7°49	2°17	11°58	14°33	19°28	8°39	0° 7	0°18	21°20	n.a.	F 11
S 12	22 27 0	4°52'14	9♈34	22°31	18°16	8°24	2°21	12° 2	14°32	19°31	8°39	29♉58	0°15	21°26	n.a.	S 12
S 13	22 30 56	5°52'17	23°54	23°58	19°25	8°59	2°25	12° 6	14°32	19°33	8°38	29°51	0°12	21°33	n.a.	S 13
M14	22 34 53	6°52'22	8♉12	25°23	20°35	9°34	2°29	12°11	14°31	19°35	8°37	29°48	0° 9	21°39	n.a.	M14
T 15	22 38 50	7°52'30	22°26	26°48	21°44	10° 9	2°33	12°15	14°31	19°37	8°37	29°46	0° 6	21°46	n.a.	T 15
W16	22 42 46	8°52'40	6♊33	28°13	22°53	10°44	2°37	12°19	14°30	19°39	8°36	29°46	0° 3	21°53	n.a.	W16
T 17	22 46 43	9°52'52	20°33	29°36	24° 2	11°19	2°40	12°23	14°30	19°42	8°36	29°46	29♉59	21°59	n.a.	T 17
F 18	22 50 39	10°53'07	4♋25	0♎59	25°11	11°54	2°44	12°28	14°29	19°44	8°35	29°44	29°56	22° 6	n.a.	F 18
S 19	22 54 36	11°53'24	18° 9	2°20	26°20	12°29	2°47	12°32	14°28	19°46	8°35	29°40	29°53	22°13	n.a.	S 19
S 20	22 58 32	12°53'43	1♌45	3°41	27°29	13° 3	2°50	12°37	14°27	19°48	8°34	29°33	29°50	22°19	n.a.	S 20
M21	23 2 29	13°54'04	15°11	5° 0	28°38	13°38	2°52	12°42	14°26	19°51	8°34	29°23	29°47	22°26	n.a.	M21
T 22	23 6 25	14°54'27	28°25	6°19	29°47	14°13	2°55	12°46	14°25	19°53	8°34	29°11	29°43	22°33	n.a.	T 22
W23	23 10 22	15°54'52	11♍27	7°36	0♏55	14°47	2°57	12°51	14°25	19°55	8°33	28°58	29°40	22°39	n.a.	W23
T 24	23 14 19	16°55'19	24°14	8°51	2° 3	15°21	2°59	12°56	14°23	19°57	8°33	28°45	29°37	22°46	n.a.	T 24
F 25	23 18 15	17°55'47	6♎46	10° 5	3°11	15°56	3° 1	13° 1	14°22	20° 0	8°33	28°34	29°34	22°53	n.a.	F 25
S 26	23 22 12	18°56'18	19° 3	11°18	4°20	16°30	3° 3	13° 6	14°21	20° 2	8°32	28°25	29°31	22°59	n.a.	S 26
S 27	23 26 8	19°56'50	1♏ 8	12°28	5°27	17° 4	3° 5	13°11	14°20	20° 4	8°32	28°19	29°28	23° 6	n.a.	S 27
M28	23 30 5	20°57'24	13° 3	13°36	6°35	17°38	3° 6	13°16	14°19	20° 6	8°32	28°15	29°24	23°13	n.a.	M28
T 29	23 34 1	21°57'59	24°51	14°41	7°43	18°12	3° 7	13°21	14°18	20° 9	8°32	28°D14	29°21	23°19	n.a.	T 29
W30	23 37 58	22♍58'36	6♐38	15♎44	8♏50	18♋46	3♊ 8	13♏27	14♉16	20♍11	8♑31	28♉14	29♉18	23♏26	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n48	16s 1	1n15	9n36	0n 6	3s 7	1s 1	24n53	1n 1	20n30	0s20	14s 9	1n27	16n19	0s12	6n13	2n 0	34s43	11s10	20n48	20n43	17s13		n.a.
W 2	13 28	20 3	0 13	8 54	0s 1	3 39	1 5	24 54	1 2	20 31	0 20	14 10	1 27	16 19	0 12	6 12	2 0	34 43	11 9	20 48	20 42	17 16		n.a.
T 3	13 8	23 17	0s50	8 13	0 8	4 11	1 9	24 54	1 2	20 32	0 20	14 11	1 27	16 19	0 12	6 11	2 0	34 43	11 9	20 48	20 41	17 18		n.a.
F 4	12 47	25 31	1 51	7 31	0 15	4 43	1 13	24 53	1 3	20 34	0 20	14 13	1 27	16 19	0 12	6 10	2 0	34 43	11 9	20 47	20 41	17 21		n.a.
S 5	12 26	26 36	2 48	6 49	0 22	5 14	1 16	24 53	1 4	20 35	0 20	14 14	1 27	16 19	0 12	6 9	2 0	34 43	11 9	20 47	20 40	17 24		n.a.
S 6	12 5	26 20	3 38	6 7	0 29	5 46	1 20	24 53	1 5	20 36	0 20	14 15	1 26	16 19	0 12	6 9	2 0	34 43	11 9	20 45	20 39	17 26		n.a.
M 7	11 44	24 40	4 19	5 25	0 35	6 17	1 24	24 52	1 5	20 37	0 20	14 16	1 26	16 19	0 12	6 8	2 0	34 43	11 9	20 44	20 39	17 29		n.a.
T 8	11 22	21 38	4 47	4 43	0 42	6 49	1 28	24 51	1 6	20 38	0 20	14 18	1 26	16 19	0 12	6 7	2 0	34 43	11 8	20 41	20 38	17 31		n.a.
W 9	11 0	17 21	5 0	4 2	0 49	7 20	1 32	24 50	1 7	20 39	0 20	14 19	1 26	16 19	0 12	6 6	2 0	34 43	11 8	20 39	20 37	17 34		n.a.
T 10	10 38	12 3	4 55	3 20	0 56	7 51	1 35	24 49	1 8	20 40	0 20	14 20	1 26	16 19	0 12	6 5	2 0	34 42	11 8	20 36	20 37	17 37		n.a.
F 11	10 16	6 4	4 32	2 39	1 3	8 22	1 39	24 48	1 9	20 41	0 20	14 22	1 25	16 19	0 12	6 4	2 0	34 42	11 8	20 33	20 36	17 39		n.a.
S 12	9 54	0n19	3 52	1 57	1 10	8 52	1 43	24 46	1 9	20 42	0 20	14 23	1 25	16 19	0 12	6 3	2 0	34 42	11 8	20 31	20 35	17 42		n.a.
S 13	9 32	6 42	2 57	1 17	1 16	9 23	1 47	24 45	1 10	20 43	0 20	14 25	1 25	16 19	0 12	6 2	2 0	34 42	11 7	20 30	20 34	17 45		n.a.
M14	9 9	12 45	1 51	0 36	1 23	9 53	1 50	24 43	1 11	20 44	0 20	14 26	1 25	16 19	0 12	6 2	2 0	34 42	11 7	20 29	20 34	17 47		n.a.
T 15	8 46	18 6	0 39	0s 4	1 30	10 23	1 54	24 41	1 12	20 45	0 19	14 28	1 25	16 19	0 12	6 1	2 0	34 42	11 7	20 29	20 33	17 50		n.a.
W16	8 23	22 24	0n36	0 44	1 36	10 53	1 58	24 39	1 13	20 46	0 19	14 29	1 24	16 18	0 12	6 0	2 0	34 41	11 7	20 29	20 32	17 52		n.a.
T 17	8 0	25 20	1 48	1 24	1 42	11 22	2 1	24 37	1 13	20 46	0 19	14 31	1 24	16 18	0 12	5 59	2 0	34 41	11 7	20 29	20 32	17 55		n.a.
F 18	7 37	26 41	2 52	2 3	1 48	11 51	2 5	24 35	1 14	20 47	0 19	14 32	1 24	16 18	0 12	5 58	2 0	34 41	11 6	20 29	20 31	17 57		n.a.
S 19	7 14	26 22	3 46	2 41	1 54	12 20	2 8	24 32	1 15	20 48	0 19	14 34	1 24	16 18	0 12	5 57	2 0	34 41	11 6	20 28	20 30	18 0		n.a.
S 20	6 50	24 28	4 27	3 19	2 0	12 49	2 12	24 30	1 16	20 48	0 19	14 35	1 24	16 17	0 12	5 56	2 0	34 41	11 6	20 26	20 30	18 3		n.a.
M21	6 27	21 14	4 52	3 56	2 6	13 17	2 15	24 27	1 17	20 49	0 19	14 37	1 24	16 17	0 12	5 55	2 0	34 41	11 6	20 24	20 29	18 5		n.a.
T 22	6 3	16 56	5 1	4 33	2 11	13 45	2 19	24 24	1 17	20 50	0 19	14 39	1 23	16 17	0 12	5 54	2 0	34 40	11 6	20 21	20 28	18 8		n.a.
W23	5 39	11 55	4 54	5 9	2 16	14 13	2 22	24 21	1 18	20 50	0 19	14 40	1 23	16 17	0 12	5 53	2 0	34 40	11 5	20 18	20 28	18 10		n.a.
T 24	5 15	6 29	4 32	5 43	2 21	14 41	2 25	24 18	1 19	20 51	0 19	14 42	1 23	16 16	0 12	5 53	2 0	34 40	11 5	20 15	20 27	18 13		n.a.
F 25	4 51	0 54	3 58	6 17	2 25	15 8	2 28	24 15	1 20	20 51	0 19	14 44	1 23	16 16	0 12	5 52	2 0	34 40	11 5	20 13	20 26	18 15		n.a.
S 26	4 27	4s38	3 12	6 50	2 29	15 34	2 32	24 11	1 21	20 51	0 19	14 45	1 23	16 16	0 12	5 51	2 0	34 40	11 5	20 11	20 26	18 18		n.a.
S 27	4 3	9 55	2 19	7 21	2 33	16 1	2 35	24 8	1 22	20 52	0 19	14 47	1 22	16 15	0 12	5 50	2 0	34 39	11 4	20 9	20 25	18 21		n.a.
M28	3 39	14 47	1 20	7 51	2 36	16 27	2 38	24 4	1 23	20 52	0 18	14 49	1 22	16 15	0 12	5 49	2 0	34 39	11 4	20 9	20 24	18 23		n.a.
T 29	3 15	19 3	0 18	8 20	2 39	16 52	2 41	24 0	1 23	20 53	0 18	14 50	1 22	16 15	0 12	5 48	2 0	34 39	11 4	20 8	20 23	18 26		n.a.
W30	2n50	22s33	0s45	8s47	2s41	17s17	2s44	23n56	1n24	20n53	0s18	14s52	1n22	16n14	0s12	5n47	2n 0	34s39	11s 4	20n 8	20n23	18s28		n.a.

Julian Day Number = 1113525.5, Delta T = 10h49m49s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'55, Lahiri = -26°54'54 Julian Calendar 1 Sept. 1665 BCE == Greg. Calendar 18 Aug. 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

OCTOBER 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 41 54	23♍59'14	18♐27	16♎44	9♏58	19♋20	3♊ 9	13♏32	14°R15	20♍13	8°R31	28°R15	29♉15	23♏32	n.a.	T 1
F 2	23 45 51	24°59'54	0♑26	17°40	11° 5	19°54	3°10	13°38	14♉14	20°15	8♑31	28♉14	29°12	23°39	n.a.	F 2
S 3	23 49 47	26° 0'35	12°39	18°32	12°12	20°27	3°10	13°43	14°12	20°18	8°31	28°13	29° 8	23°46	n.a.	S 3
S 4	23 53 44	27° 1'17	25°12	19°19	13°18	21° 1	3°R10	13°48	14°11	20°20	8°31	28° 9	29° 5	23°52	n.a.	S 4
M 5	23 57 41	28° 2'01	8♒ 8	20° 2	14°25	21°34	3°10	13°54	14° 9	20°22	8°31	28° 3	29° 2	23°59	n.a.	M 5
T 6	0 1 37	29° 2'46	21°30	20°39	15°31	22° 8	3°10	14° 0	14° 8	20°24	8°31	27°55	28°59	24° 6	n.a.	T 6
W 7	0 5 34	0♎ 3'32	5♓19	21° 9	16°38	22°41	3° 9	14° 5	14° 6	20°27	8°D31	27°45	28°56	24°12	n.a.	W 7
T 8	0 9 30	1° 4'19	19°31	21°33	17°44	23°14	3° 9	14°11	14° 4	20°29	8°31	27°35	28°53	24°19	n.a.	T 8
F 9	0 13 27	2° 5'08	4♈ 2	21°48	18°49	23°47	3° 8	14°17	14° 3	20°31	8°31	27°26	28°49	24°26	n.a.	F 9
S 10	0 17 23	3° 5'59	18°45	21°R56	19°55	24°20	3° 7	14°23	14° 1	20°33	8°31	27°19	28°46	24°32	n.a.	S 10
S 11	0 21 20	4° 6'50	3♉32	21°53	21° 0	24°53	3° 6	14°29	13°59	20°35	8°31	27°15	28°43	24°39	n.a.	S 11
M12	0 25 16	5° 7'44	18°16	21°41	22° 5	25°26	3° 4	14°35	13°57	20°38	8°31	27°12	28°40	24°46	n.a.	M12
T 13	0 29 13	6° 8'39	2♊50	21°18	23°10	25°59	3° 3	14°41	13°55	20°40	8°31	27°D12	28°37	24°52	n.a.	T 13
W14	0 33 10	7° 9'36	17°11	20°45	24°14	26°31	3° 1	14°47	13°54	20°42	8°32	27°13	28°34	24°59	n.a.	W14
T 15	0 37 6	8°10'34	1♋17	20° 0	25°19	27° 4	2°59	14°53	13°52	20°44	8°32	27°14	28°30	25° 5	n.a.	T 15
F 16	0 41 3	9°11'34	15° 6	19° 6	26°23	27°36	2°57	14°59	13°50	20°46	8°32	27°R14	28°27	25°12	n.a.	F 16
S 17	0 44 59	10°12'35	28°40	18° 2	27°26	28° 8	2°54	15° 5	13°48	20°48	8°32	27°12	28°24	25°19	n.a.	S 17
S 18	0 48 56	11°13'38	11♌58	16°50	28°30	28°41	2°52	15°11	13°46	20°51	8°33	27° 9	28°21	25°25	n.a.	S 18
M19	0 52 52	12°14'42	25° 4	15°32	29°33	29°13	2°49	15°18	13°44	20°53	8°33	27° 3	28°18	25°32	n.a.	M19
T 20	0 56 49	13°15'48	7♍56	14°10	0♐36	29°45	2°46	15°24	13°41	20°55	8°33	26°55	28°14	25°39	n.a.	T 20
W21	1 0 45	14°16'54	20°36	12°47	1°38	0♌17	2°43	15°30	13°39	20°57	8°34	26°47	28°11	25°45	n.a.	W21
T 22	1 4 42	15°18'02	3♎ 4	11°27	2°41	0°48	2°39	15°37	13°37	20°59	8°34	26°39	28° 8	25°52	n.a.	T 22
F 23	1 8 39	16°19'11	15°21	10°11	3°42	1°20	2°36	15°43	13°35	21° 1	8°35	26°32	28° 5	25°59	n.a.	F 23
S 24	1 12 35	17°20'20	27°28	9° 2	4°44	1°51	2°32	15°50	13°33	21° 3	8°35	26°26	28° 2	26° 5	n.a.	S 24
S 25	1 16 32	18°21'31	9♏25	8° 1	5°45	2°23	2°28	15°56	13°30	21° 5	8°35	26°23	27°59	26°12	n.a.	S 25
M26	1 20 28	19°22'42	21°16	7°11	6°46	2°54	2°24	16° 3	13°28	21° 7	8°36	26°D21	27°55	26°19	n.a.	M26
T 27	1 24 25	20°23'55	3♐ 3	6°32	7°46	3°25	2°20	16° 9	13°26	21° 9	8°36	26°21	27°52	26°25	n.a.	T 27
W28	1 28 21	21°25'07	14°49	6° 5	8°46	3°56	2°15	16°16	13°24	21°11	8°37	26°22	27°49	26°32	n.a.	W28
T 29	1 32 18	22°26'21	26°38	5°48	9°46	4°27	2°11	16°23	13°21	21°13	8°38	26°24	27°46	26°39	n.a.	T 29
F 30	1 36 14	23°27'35	8♑35	5°D43	10°45	4°57	2° 6	16°29	13°19	21°15	8°38	26°26	27°43	26°45	n.a.	F 30
S 31	1 40 11	24♎28'49	20♑46	5♎48	11♐43	5♌28	2♊ 1	16♏36	13♉16	21♍17	8♑39	26°R27	27♉40	26♏52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n26	25s 8	1s46	9s12	2s43	17s42	2s46	23n52	1n25	20n53	0s18	14s54	1n22	16n14	0s12	5n46	2n 0	34s39	11s 4	20n 9	20n22	18s31		n.a.
F 2	2 1	26 37	2 43	9 35	2 44	18 6	2 49	23 48	1 26	20 53	0 18	14 56	1 22	16 13	0 12	5 45	2 0	34 38	11 3	20 9	20 21	18 33		n.a.
S 3	1 37	26 50	3 34	9 55	2 44	18 30	2 52	23 44	1 27	20 53	0 18	14 58	1 21	16 13	0 12	5 44	2 0	34 38	11 3	20 8	20 21	18 36		n.a.
S 4	1 12	25 42	4 17	10 13	2 44	18 54	2 54	23 39	1 28	20 54	0 18	14 59	1 21	16 12	0 12	5 44	2 0	34 38	11 3	20 7	20 20	18 38		n.a.
M 5	0 48	23 11	4 47	10 28	2 43	19 16	2 57	23 35	1 29	20 54	0 18	15 1	1 21	16 12	0 12	5 43	2 0	34 38	11 3	20 6	20 19	18 41		n.a.
T 6	0 23	19 22	5 3	10 40	2 40	19 39	2 59	23 30	1 30	20 54	0 18	15 3	1 21	16 12	0 12	5 42	2 0	34 38	11 2	20 4	20 19	18 43		n.a.
W 7	0s 1	14 25	5 2	10 49	2 37	20 1	3 2	23 26	1 30	20 54	0 18	15 5	1 21	16 11	0 12	5 41	2 0	34 37	11 2	20 2	20 18	18 46		n.a.
T 8	0 26	8 33	4 43	10 54	2 32	20 22	3 4	23 21	1 31	20 54	0 18	15 7	1 21	16 11	0 12	5 40	2 0	34 37	11 2	20 0	20 17	18 48		n.a.
F 9	0 51	2 7	4 6	10 54	2 26	20 43	3 6	23 16	1 32	20 54	0 17	15 9	1 21	16 10	0 12	5 39	2 0	34 37	11 2	19 58	20 16	18 51		n.a.
S 10	1 15	4n32	3 11	10 50	2 18	21 4	3 8	23 11	1 33	20 53	0 17	15 11	1 20	16 10	0 12	5 38	2 0	34 37	11 2	19 56	20 16	18 53		n.a.
S 11	1 40	11 0	2 4	10 40	2 9	21 23	3 10	23 6	1 34	20 53	0 17	15 12	1 20	16 9	0 12	5 37	2 0	34 36	11 1	19 55	20 15	18 56		n.a.
M12	2 4	16 49	0 48	10 26	1 59	21 43	3 12	23 1	1 35	20 53	0 17	15 14	1 20	16 8	0 12	5 37	2 0	34 36	11 1	19 54	20 14	18 58		n.a.
T 13	2 29	21 37	0n30	10 6	1 46	22 2	3 13	22 55	1 36	20 53	0 17	15 16	1 20	16 8	0 12	5 36	2 0	34 36	11 1	19 54	20 14	19 1		n.a.
W14	2 54	25 1	1 46	9 40	1 32	22 20	3 15	22 50	1 37	20 53	0 17	15 18	1 20	16 7	0 12	5 35	2 0	34 36	11 1	19 54	20 13	19 3		n.a.
T 15	3 18	26 46	2 53	9 8	1 16	22 37	3 16	22 44	1 38	20 52	0 17	15 20	1 20	16 7	0 12	5 34	2 0	34 35	11 0	19 55	20 12	19 6		n.a.
F 16	3 43	26 49	3 49	8 31	0 59	22 54	3 18	22 39	1 39	20 52	0 17	15 22	1 20	16 6	0 12	5 33	2 0	34 35	11 0	19 55	20 11	19 8		n.a.
S 17	4 7	25 14	4 31	7 49	0 40	23 11	3 19	22 33	1 40	20 52	0 17	15 24	1 19	16 6	0 12	5 32	2 0	34 35	11 0	19 54	20 11	19 11		n.a.
S 18	4 31	22 17	4 58	7 3	0 21	23 27	3 20	22 27	1 41	20 51	0 17	15 26	1 19	16 5	0 12	5 31	2 0	34 35	11 0	19 53	20 10	19 13		n.a.
M19	4 56	18 14	5 8	6 14	0 0	23 42	3 21	22 21	1 42	20 51	0 17	15 28	1 19	16 4	0 12	5 31	2 0	34 34	10 59	19 52	20 9	19 16		n.a.
T 20	5 20	13 25	5 3	5 22	0n21	23 57	3 22	22 15	1 43	20 50	0 16	15 30	1 19	16 4	0 12	5 30	2 0	34 34	10 59	19 50	20 9	19 18		n.a.
W21	5 44	8 7	4 43	4 31	0 41	24 11	3 22	22 9	1 44	20 50	0 16	15 32	1 19	16 3	0 12	5 29	2 0	34 34	10 59	19 48	20 8	19 21		n.a.
T 22	6 8	2 33	4 9	3 41	1 1	24 24	3 23	22 3	1 45	20 49	0 16	15 34	1 19	16 2	0 12	5 28	2 0	34 34	10 59	19 46	20 7	19 23		n.a.
F 23	6 32	3s 1	3 24	2 54	1 19	24 37	3 23	21 57	1 46	20 49	0 16	15 36	1 19	16 2	0 12	5 27	2 0	34 33	10 58	19 45	20 6	19 26		n.a.
S 24	6 56	8 25	2 31	2 11	1 36	24 49	3 23	21 51	1 47	20 48	0 16	15 38	1 19	16 1	0 12	5 27	2 0	34 33	10 58	19 43	20 6	19 28		n.a.
S 25	7 20	13 28	1 31	1 33	1 51	25 0	3 23	21 45	1 48	20 47	0 16	15 40	1 18	16 0	0 12	5 26	2 0	34 33	10 58	19 42	20 5	19 31		n.a.
M26	7 43	17 58	0 28	1 1	2 4	25 11	3 23	21 38	1 49	20 47	0 16	15 42	1 18	16 0	0 12	5 25	2 0	34 33	10 58	19 42	20 4	19 33		n.a.
T 27	8 7	21 46	0s37	0 35	2 15	25 21	3 23	21 32	1 50	20 46	0 16	15 44	1 18	15 59	0 12	5 24	2 0	34 32	10 58	19 42	20 3	19 36		n.a.
W28	8 30	24 39	1 39	0 16	2 24	25 31	3 23	21 26	1 51	20 45	0 16	15 46	1 18	15 58	0 12	5 23	2 0	34 32	10 57	19 42	20 3	19 38		n.a.
T 29	8 54	26 29	2 38	0 3	2 31	25 40	3 22	21 19	1 52	20 44	0 15	15 48	1 18	15 58	0 12	5 23	2 0	34 32	10 57	19 43	20 2	19 40		n.a.
F 30	9 17	27 7	3 31	0n 4	2 36	25 48	3 21	21 12	1 53	20 43	0 15	15 50	1 18	15 57	0 12	5 22	2 0	34 31	10 57	19 43	20 1	19 43		n.a.
S 31	9s40	26s27	4s15	0n 5	2n39	25s55	3s20	21n 6	1n54	20n42	0s15	15s52	1n18	15n56	0s12	5n21	2n 0	34s31	10s57	19n43	20n 1	19s45		n.a.

Julian Day Number = 1113555.5, Delta T = 10h49m47s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'51, Lahiri = -26°54'50 Julian Calendar 1 Oct. 1665 BCE == Greg. Calendar 17 Sept. 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

NOVEMBER 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 44 8	25♎30'04	3♒14	6♎ 2	12♐41	5♌58	1°R56	16♏43	13°R14	21♍19	8♑39	26°R27	27♉36	26♏58	n.a.	S 1
M 2	1 48 4	26°31'19	16° 5	6°25	13°39	6°29	1♊50	16°50	13♉12	21°21	8°40	26♉25	27°33	27° 5	n.a.	M 2
T 3	1 52 1	27°32'34	29°22	6°55	14°36	6°59	1°45	16°56	13° 9	21°23	8°41	26°22	27°30	27°12	n.a.	T 3
W 4	1 55 57	28°33'49	13♓ 7	7°33	15°32	7°29	1°39	17° 3	13° 7	21°25	8°42	26°18	27°27	27°18	n.a.	W 4
T 5	1 59 54	29°35'05	27°20	8°17	16°28	7°58	1°33	17°10	13° 4	21°27	8°42	26°14	27°24	27°25	n.a.	T 5
F 6	2 3 50	0♏36'21	11♈58	9° 7	17°23	8°28	1°28	17°17	13° 2	21°29	8°43	26°10	27°20	27°32	n.a.	F 6
S 7	2 7 47	1°37'37	26°54	10° 1	18°18	8°57	1°21	17°24	12°59	21°31	8°44	26° 7	27°17	27°38	n.a.	S 7
S 8	2 11 44	2°38'53	12♉ 0	11° 0	19°12	9°27	1°15	17°31	12°57	21°32	8°45	26° 5	27°14	27°45	n.a.	S 8
M 9	2 15 40	3°40'10	27° 8	12° 2	20° 5	9°56	1° 9	17°38	12°54	21°34	8°46	26°D 5	27°11	27°52	n.a.	M 9
T 10	2 19 37	4°41'28	12♊ 6	13° 8	20°58	10°25	1° 2	17°45	12°52	21°36	8°46	26° 5	27° 8	27°58	n.a.	T 10
W11	2 23 33	5°42'46	26°50	14°16	21°50	10°54	0°56	17°52	12°49	21°38	8°47	26° 7	27° 5	28° 5	n.a.	W11
T 12	2 27 30	6°44'04	11♋13	15°28	22°41	11°22	0°49	17°59	12°46	21°40	8°48	26° 8	27° 1	28°12	n.a.	T 12
F 13	2 31 26	7°45'23	25°13	16°41	23°31	11°51	0°42	18° 6	12°44	21°41	8°49	26° 9	26°58	28°18	n.a.	F 13
S 14	2 35 23	8°46'43	8♌49	17°56	24°21	12°19	0°35	18°13	12°41	21°43	8°50	26°R 9	26°55	28°25	n.a.	S 14
S 15	2 39 20	9°48'02	22° 4	19°14	25°10	12°47	0°28	18°20	12°39	21°45	8°51	26° 9	26°52	28°31	n.a.	S 15
M16	2 43 16	10°49'22	4♍59	20°32	25°58	13°15	0°21	18°27	12°36	21°46	8°52	26° 8	26°49	28°38	n.a.	M16
T 17	2 47 13	11°50'42	17°38	21°53	26°44	13°43	0°14	18°34	12°34	21°48	8°53	26° 6	26°45	28°45	n.a.	T 17
W18	2 51 9	12°52'02	0♎ 2	23°14	27°30	14°10	0° 6	18°41	12°31	21°49	8°54	26° 4	26°42	28°51	n.a.	W18
T 19	2 55 6	13°53'22	12°14	24°36	28°15	14°37	29♉59	18°48	12°28	21°51	8°55	26° 2	26°39	28°58	n.a.	T 19
F 20	2 59 2	14°54'43	24°17	26° 0	28°59	15° 4	29°51	18°55	12°26	21°53	8°56	26° 0	26°36	29° 5	n.a.	F 20
S 21	3 2 59	15°56'03	6♏13	27°24	29°42	15°31	29°44	19° 2	12°23	21°54	8°58	25°59	26°33	29°11	n.a.	S 21
S 22	3 6 55	16°57'23	18° 4	28°49	0♑24	15°58	29°36	19° 9	12°21	21°56	8°59	25°58	26°30	29°18	n.a.	S 22
M23	3 10 52	17°58'43	29°52	0♏15	1° 5	16°24	29°28	19°16	12°18	21°57	9° 0	25°D58	26°26	29°25	n.a.	M23
T 24	3 14 49	19° 0'02	11♐39	1°42	1°44	16°50	29°20	19°23	12°15	21°58	9° 1	25°59	26°23	29°31	n.a.	T 24
W25	3 18 45	20° 1'22	23°27	3° 9	2°22	17°16	29°12	19°30	12°13	22° 0	9° 2	25°59	26°20	29°38	n.a.	W25
T 26	3 22 42	21° 2'40	5♑20	4°37	2°59	17°42	29° 4	19°37	12°10	22° 1	9° 3	26° 0	26°17	29°45	n.a.	T 26
F 27	3 26 38	22° 3'58	17°20	6° 5	3°34	18° 7	28°56	19°44	12° 8	22° 3	9° 5	26° 0	26°14	29°51	n.a.	F 27
S 28	3 30 35	23° 5'15	29°31	7°34	4° 8	18°32	28°48	19°52	12° 5	22° 4	9° 6	26° 1	26°11	29°58	n.a.	S 28
S 29	3 34 31	24° 6'32	11♒57	9° 4	4°41	18°57	28°40	19°59	12° 3	22° 5	9° 7	26° 1	26° 7	0♐ 5	n.a.	S 29
M30	3 38 28	25♏ 7'48	24♒42	10♏34	5♑11	19♌22	28♉32	20♏ 6	12♉ 0	22♍ 6	9♑ 9	26°R 1	26♉ 4	0♐11	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s 2	24s28	4s49	0n 1	2n41	26s 2	3s19	20n59	1n55	20n41	0s15	15s54	1n18	15n55	0s12	5n20	2n 0	34s31	10s56	19n43	20n 0	19s48		n.a.
M 2	10 25	21 13	5 9	0s 8	2 41	26 8	3 18	20 52	1 56	20 41	0 15	15 56	1 18	15 55	0 12	5 20	2 0	34 31	10 56	19 43	19 59	19 50		n.a.
T 3	10 48	16 47	5 13	0 21	2 41	26 14	3 16	20 46	1 57	20 40	0 15	15 59	1 17	15 54	0 12	5 19	2 0	34 30	10 56	19 42	19 58	19 52		n.a.
W 4	11 10	11 22	5 1	0 37	2 39	26 19	3 15	20 39	1 58	20 38	0 15	16 1	1 17	15 53	0 12	5 18	2 0	34 30	10 56	19 41	19 58	19 55		n.a.
T 5	11 32	5 11	4 29	0 57	2 37	26 23	3 13	20 32	1 59	20 37	0 15	16 3	1 17	15 52	0 12	5 17	2 0	34 30	10 56	19 40	19 57	19 57		n.a.
F 6	11 54	1n27	3 40	1 20	2 33	26 27	3 11	20 25	2 0	20 36	0 14	16 5	1 17	15 52	0 12	5 17	2 1	34 30	10 55	19 40	19 56	20 0		n.a.
S 7	12 16	8 10	2 34	1 46	2 29	26 29	3 8	20 18	2 2	20 35	0 14	16 7	1 17	15 51	0 12	5 16	2 1	34 29	10 55	19 39	19 55	20 2		n.a.
S 8	12 37	14 30	1 17	2 13	2 24	26 32	3 6	20 12	2 3	20 34	0 14	16 9	1 17	15 50	0 11	5 15	2 1	34 29	10 55	19 38	19 55	20 4		n.a.
M 9	12 58	19 59	0n 6	2 43	2 19	26 33	3 3	20 5	2 4	20 33	0 14	16 11	1 17	15 49	0 11	5 15	2 1	34 29	10 55	19 38	19 54	20 7		n.a.
T 10	13 20	24 7	1 27	3 14	2 14	26 34	3 0	19 58	2 5	20 32	0 14	16 13	1 17	15 48	0 11	5 14	2 1	34 29	10 55	19 38	19 53	20 9		n.a.
W11	13 40	26 33	2 42	3 47	2 8	26 35	2 57	19 51	2 6	20 30	0 14	16 15	1 17	15 48	0 11	5 13	2 1	34 28	10 54	19 39	19 52	20 12		n.a.
T 12	14 1	27 8	3 44	4 20	2 1	26 34	2 53	19 44	2 7	20 29	0 14	16 17	1 17	15 47	0 11	5 13	2 1	34 28	10 54	19 39	19 52	20 14		n.a.
F 13	14 21	25 56	4 32	4 55	1 55	26 33	2 50	19 37	2 8	20 28	0 13	16 19	1 17	15 46	0 11	5 12	2 1	34 28	10 54	19 39	19 51	20 16		n.a.
S 14	14 42	23 14	5 2	5 30	1 48	26 32	2 46	19 30	2 10	20 26	0 13	16 21	1 16	15 45	0 11	5 11	2 1	34 27	10 54	19 39	19 50	20 19		n.a.
S 15	15 1	19 22	5 16	6 7	1 41	26 30	2 42	19 23	2 11	20 25	0 13	16 23	1 16	15 45	0 11	5 11	2 1	34 27	10 54	19 39	19 49	20 21		n.a.
M16	15 21	14 41	5 13	6 43	1 34	26 27	2 37	19 16	2 12	20 24	0 13	16 25	1 16	15 44	0 11	5 10	2 1	34 27	10 53	19 39	19 49	20 23		n.a.
T 17	15 40	9 29	4 55	7 21	1 27	26 23	2 33	19 9	2 13	20 22	0 13	16 27	1 16	15 43	0 11	5 10	2 1	34 27	10 53	19 39	19 48	20 26		n.a.
W18	16 0	4 0	4 23	7 58	1 19	26 20	2 28	19 2	2 15	20 21	0 13	16 29	1 16	15 42	0 11	5 9	2 1	34 26	10 53	19 38	19 47	20 28		n.a.
T 19	16 18	1s34	3 40	8 36	1 12	26 15	2 22	18 55	2 16	20 19	0 13	16 31	1 16	15 41	0 11	5 8	2 1	34 26	10 53	19 38	19 46	20 31		n.a.
F 20	16 37	7 0	2 47	9 13	1 5	26 10	2 17	18 48	2 17	20 18	0 12	16 33	1 16	15 41	0 11	5 8	2 1	34 26	10 53	19 37	19 46	20 33		n.a.
S 21	16 55	12 9	1 48	9 51	0 57	26 4	2 11	18 41	2 18	20 16	0 12	16 35	1 16	15 40	0 11	5 7	2 1	34 26	10 53	19 37	19 45	20 35		n.a.
S 22	17 13	16 50	0 44	10 29	0 50	25 58	2 5	18 34	2 20	20 15	0 12	16 37	1 16	15 39	0 11	5 7	2 1	34 25	10 52	19 37	19 44	20 38		n.a.
M23	17 31	20 51	0s22	11 7	0 42	25 52	1 59	18 27	2 21	20 13	0 12	16 39	1 16	15 38	0 11	5 6	2 1	34 25	10 52	19 37	19 43	20 40		n.a.
T 24	17 48	24 2	1 26	11 44	0 35	25 45	1 52	18 20	2 22	20 12	0 12	16 41	1 16	15 37	0 11	5 6	2 1	34 25	10 52	19 37	19 43	20 42		n.a.
W25	18 5	26 10	2 27	12 22	0 28	25 37	1 45	18 13	2 23	20 10	0 12	16 44	1 16	15 37	0 11	5 5	2 2	34 25	10 52	19 37	19 42	20 44		n.a.
T 26	18 21	27 9	3 22	12 59	0 20	25 29	1 38	18 7	2 25	20 8	0 12	16 46	1 16	15 36	0 11	5 5	2 2	34 24	10 52	19 37	19 41	20 47		n.a.
F 27	18 38	26 51	4 9	13 36	0 13	25 20	1 30	18 0	2 26	20 7	0 11	16 48	1 16	15 35	0 11	5 4	2 2	34 24	10 52	19 37	19 40	20 49		n.a.
S 28	18 54	25 16	4 45	14 12	0 6	25 11	1 22	17 53	2 27	20 5	0 11	16 50	1 15	15 34	0 11	5 4	2 2	34 24	10 51	19 37	19 40	20 51		n.a.
S 29	19 9	22 27	5 9	14 48	0s 1	25 2	1 14	17 46	2 29	20 4	0 11	16 51	1 15	15 33	0 11	5 3	2 2	34 24	10 51	19 37	19 39	20 54		n.a.
M30	19s24	18s31	5s18	15s24	0s 8	24s52	1s 5	17n40	2n30	20n 2	0s11	16s53	1n15	15n33	0s11	5n 3	2n 2	34s23	10s51	19n37	19n38	20s56		n.a.

Julian Day Number = 1113586.5, Delta T = 10h49m45s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'46, Lahiri = -26°54'46 Julian Calendar 1 Nov. 1665 BCE == Greg. Calendar 18 Oct. 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1665 BCE
geocentric

DECEMBER 1665 BCE (-1664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 42 25	26♏ 9'02	7♓50	12♏ 5	5♑41	19♌46	28°R24	20♏13	11°R58	22♍ 8	9♑10	26°D 1	26♉ 1	0♐18	n.a.	T 1
W 2	3 46 21	27°10'16	21°24	13°36	6° 8	20°10	28♉16	20°20	11♉55	22° 9	9°11	26♉ 1	25°58	0°24	n.a.	W 2
T 3	3 50 18	28°11'29	5♈25	15° 7	6°34	20°34	28° 8	20°27	11°53	22°10	9°12	26° 1	25°55	0°31	n.a.	T 3
F 4	3 54 14	29°12'41	19°52	16°39	6°58	20°57	28° 0	20°34	11°50	22°11	9°14	26° 2	25°51	0°38	n.a.	F 4
S 5	3 58 11	0♐13'52	4♉42	18°12	7°20	21°21	27°52	20°41	11°48	22°12	9°15	26° 2	25°48	0°44	n.a.	S 5
S 6	4 2 7	1°15'02	19°49	19°45	7°40	21°44	27°44	20°48	11°45	22°13	9°17	26°R 2	25°45	0°51	n.a.	S 6
M 7	4 6 4	2°16'11	5♊ 4	21°19	7°58	22° 6	27°36	20°55	11°43	22°14	9°18	26° 2	25°42	0°58	n.a.	M 7
T 8	4 10 0	3°17'19	20°17	22°53	8°15	22°29	27°28	21° 2	11°41	22°15	9°19	26° 2	25°39	1° 4	n.a.	T 8
W 9	4 13 57	4°18'27	5♋19	24°27	8°28	22°51	27°20	21° 9	11°38	22°16	9°21	26° 1	25°36	1°11	n.a.	W 9
T 10	4 17 54	5°19'34	20° 0	26° 3	8°40	23°12	27°12	21°16	11°36	22°17	9°22	26° 0	25°32	1°18	n.a.	T 10
F 11	4 21 50	6°20'40	4♌17	27°39	8°50	23°34	27° 4	21°23	11°34	22°18	9°24	25°59	25°29	1°24	n.a.	F 11
S 12	4 25 47	7°21'45	18° 6	29°15	8°57	23°55	26°56	21°30	11°31	22°19	9°25	25°58	25°26	1°31	n.a.	S 12
S 13	4 29 43	8°22'50	1♍28	0♐52	9° 1	24°15	26°48	21°37	11°29	22°20	9°27	25°57	25°23	1°38	n.a.	S 13
M14	4 33 40	9°23'53	14°25	2°30	9°R 4	24°35	26°41	21°43	11°27	22°21	9°28	25°D57	25°20	1°44	n.a.	M14
T 15	4 37 36	10°24'56	26°59	4° 8	9° 4	24°55	26°33	21°50	11°25	22°22	9°30	25°57	25°17	1°51	n.a.	T 15
W16	4 41 33	11°25'58	9♎16	5°47	9° 1	25°15	26°25	21°57	11°23	22°23	9°31	25°59	25°13	1°58	n.a.	W16
T 17	4 45 30	12°26'59	21°20	7°26	8°56	25°34	26°18	22° 4	11°21	22°23	9°33	26° 0	25°10	2° 4	n.a.	T 17
F 18	4 49 26	13°27'59	3♏15	9° 7	8°48	25°53	26°10	22°11	11°18	22°24	9°34	26° 2	25° 7	2°11	n.a.	F 18
S 19	4 53 23	14°28'58	15° 3	10°48	8°38	26°11	26° 3	22°18	11°16	22°25	9°36	26° 3	25° 4	2°17	n.a.	S 19
S 20	4 57 19	15°29'56	26°50	12°29	8°25	26°29	25°56	22°24	11°14	22°25	9°38	26°R 3	25° 1	2°24	n.a.	S 20
M21	5 1 16	16°30'52	8♐37	14°12	8°10	26°47	25°48	22°31	11°12	22°26	9°39	26° 3	24°57	2°31	n.a.	M21
T 22	5 5 12	17°31'48	20°27	15°55	7°53	27° 4	25°41	22°38	11°10	22°26	9°41	26° 1	24°54	2°37	n.a.	T 22
W23	5 9 9	18°32'41	2♑22	17°39	7°32	27°20	25°34	22°44	11° 9	22°27	9°42	25°58	24°51	2°44	n.a.	W23
T 24	5 13 5	19°33'34	14°23	19°23	7°10	27°37	25°28	22°51	11° 7	22°27	9°44	25°54	24°48	2°51	n.a.	T 24
F 25	5 17 2	20°34'25	26°32	21° 8	6°45	27°52	25°21	22°57	11° 5	22°28	9°46	25°50	24°45	2°57	n.a.	F 25
S 26	5 20 59	21°35'14	8♒52	22°54	6°19	28° 7	25°14	23° 4	11° 3	22°28	9°47	25°45	24°42	3° 4	n.a.	S 26
S 27	5 24 55	22°36'01	21°24	24°41	5°50	28°22	25° 8	23°10	11° 1	22°29	9°49	25°42	24°38	3°11	n.a.	S 27
M28	5 28 52	23°36'47	4♓11	26°28	5°19	28°37	25° 2	23°17	11° 0	22°29	9°50	25°39	24°35	3°17	n.a.	M28
T 29	5 32 48	24°37'31	17°16	28°16	4°47	28°50	24°55	23°23	10°58	22°29	9°52	25°37	24°32	3°24	n.a.	T 29
W30	5 36 45	25°38'13	0♈41	0♑ 5	4°13	29° 4	24°49	23°30	10°56	22°30	9°54	25°D37	24°29	3°31	n.a.	W30
T 31	5 40 41	26♐38'52	14♈28	1♑54	3♑38	29♌16	24♉43	23♏36	10♉55	22♍30	9♑55	25♉38	24♉26	3♐37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	19s39	13s35	5s11	15s59	0s15	24s42	0s56	17n33	2n31	20n 0	0s11	16s55	1n15	15n32	0s11	5n 2	2n 2	34s23	10s51	19n37	19n37	20s58			n.a.
W 2	19 54	7 52	4 48	16 34	0 22	24 31	0 47	17 27	2 33	19 59	0 11	16 57	1 15	15 31	0 11	5 2	2 2	34 23	10 51	19 37	19 37	21 1			n.a.
T 3	20 8	1 34	4 6	17 8	0 28	24 20	0 37	17 20	2 34	19 57	0 11	16 59	1 15	15 30	0 11	5 2	2 2	34 23	10 51	19 37	19 36	21 3			n.a.
F 4	20 22	5n 1	3 8	17 41	0 35	24 9	0 27	17 14	2 36	19 55	0 10	17 1	1 15	15 30	0 11	5 1	2 2	34 22	10 51	19 37	19 35	21 5			n.a.
S 5	20 35	11 31	1 56	18 14	0 41	23 58	0 17	17 7	2 37	19 53	0 10	17 3	1 15	15 29	0 11	5 1	2 2	34 22	10 50	19 38	19 34	21 7			n.a.
S 6	20 48	17 28	0 35	18 46	0 47	23 46	0 6	17 1	2 38	19 52	0 10	17 5	1 15	15 28	0 11	5 0	2 2	34 22	10 50	19 38	19 33	21 10			n.a.
M 7	21 0	22 22	0n50	19 17	0 53	23 34	0n 5	16 55	2 40	19 50	0 10	17 7	1 15	15 27	0 11	5 0	2 2	34 22	10 50	19 38	19 33	21 12			n.a.
T 8	21 12	25 42	2 11	19 47	0 59	23 21	0 17	16 49	2 41	19 48	0 10	17 9	1 15	15 27	0 11	5 0	2 2	34 22	10 50	19 37	19 32	21 14			n.a.
W 9	21 24	27 8	3 21	20 17	1 5	23 8	0 28	16 43	2 43	19 47	0 10	17 11	1 15	15 26	0 11	4 59	2 2	34 21	10 50	19 37	19 31	21 16			n.a.
T 10	21 36	26 36	4 17	20 46	1 10	22 56	0 41	16 37	2 44	19 45	0 9	17 13	1 15	15 25	0 11	4 59	2 3	34 21	10 50	19 37	19 30	21 19			n.a.
F 11	21 46	24 19	4 55	21 14	1 15	22 42	0 53	16 31	2 46	19 43	0 9	17 15	1 15	15 25	0 11	4 59	2 3	34 21	10 50	19 37	19 30	21 21			n.a.
S 12	21 57	20 40	5 14	21 40	1 20	22 29	1 6	16 25	2 47	19 42	0 9	17 16	1 15	15 24	0 11	4 58	2 3	34 21	10 50	19 36	19 29	21 23			n.a.
S 13	22 7	16 3	5 16	22 6	1 25	22 16	1 19	16 20	2 49	19 40	0 9	17 18	1 15	15 23	0 11	4 58	2 3	34 20	10 50	19 36	19 28	21 25			n.a.
M14	22 17	10 52	5 1	22 31	1 30	22 2	1 33	16 14	2 50	19 38	0 9	17 20	1 15	15 23	0 11	4 58	2 3	34 20	10 49	19 36	19 27	21 28			n.a.
T 15	22 26	5 22	4 32	22 54	1 34	21 48	1 46	16 9	2 52	19 37	0 9	17 22	1 15	15 22	0 11	4 58	2 3	34 20	10 49	19 36	19 27	21 30			n.a.
W16	22 35	0s13	3 51	23 17	1 38	21 35	2 0	16 4	2 53	19 35	0 8	17 24	1 15	15 21	0 11	4 57	2 3	34 20	10 49	19 37	19 26	21 32			n.a.
T 17	22 43	5 41	3 1	23 38	1 42	21 21	2 15	15 58	2 55	19 33	0 8	17 26	1 15	15 21	0 11	4 57	2 3	34 20	10 49	19 37	19 25	21 34			n.a.
F 18	22 51	10 54	2 3	23 58	1 45	21 7	2 29	15 53	2 57	19 32	0 8	17 27	1 15	15 20	0 11	4 57	2 3	34 19	10 49	19 37	19 24	21 37			n.a.
S 19	22 58	15 42	1 0	24 16	1 48	20 53	2 44	15 49	2 58	19 30	0 8	17 29	1 15	15 19	0 11	4 57	2 3	34 19	10 49	19 38	19 23	21 39			n.a.
S 20	23 5	19 53	0s 4	24 33	1 51	20 39	2 58	15 44	3 0	19 29	0 8	17 31	1 15	15 19	0 11	4 57	2 3	34 19	10 49	19 38	19 23	21 41			n.a.
M21	23 12	23 17	1 9	24 48	1 53	20 25	3 13	15 39	3 1	19 27	0 8	17 33	1 15	15 18	0 11	4 56	2 3	34 19	10 49	19 38	19 22	21 43			n.a.
T 22	23 18	25 43	2 11	25 2	1 55	20 11	3 28	15 35	3 3	19 25	0 7	17 34	1 15	15 17	0 11	4 56	2 3	34 19	10 49	19 37	19 21	21 45			n.a.
W23	23 23	26 59	3 7	25 14	1 57	19 57	3 43	15 30	3 5	19 24	0 7	17 36	1 15	15 17	0 11	4 56	2 3	34 18	10 49	19 37	19 20	21 48			n.a.
T 24	23 28	27 0	3 56	25 25	1 58	19 44	3 58	15 26	3 6	19 22	0 7	17 38	1 15	15 16	0 11	4 56	2 3	34 18	10 49	19 36	19 19	21 50			n.a.
F 25	23 33	25 43	4 34	25 34	1 59	19 30	4 13	15 22	3 8	19 21	0 7	17 40	1 15	15 16	0 11	4 56	2 4	34 18	10 49	19 35	19 19	21 52			n.a.
S 26	23 37	23 12	5 0	25 41	1 59	19 17	4 28	15 18	3 10	19 19	0 7	17 41	1 15	15 15	0 11	4 56	2 4	34 18	10 49	19 34	19 18	21 54			n.a.
S 27	23 41	19 33	5 13	25 46	1 59	19 3	4 42	15 15	3 11	19 18	0 7	17 43	1 15	15 15	0 11	4 56	2 4	34 18	10 49	19 33	19 17	21 56			n.a.
M28	23 44	14 57	5 10	25 49	1 59	18 50	4 57	15 11	3 13	19 17	0 6	17 45	1 15	15 14	0 11	4 55	2 4	34 18	10 49	19 32	19 16	21 58			n.a.
T 29	23 47	9 35	4 52	25 50	1 58	18 38	5 11	15 8	3 15	19 15	0 6	17 46	1 14	15 14	0 11	4 55	2 4	34 17	10 49	19 32	19 16	22 1			n.a.
W30	23 49	3 39	4 17	25 49	1 56	18 25	5 24	15 4	3 16	19 14	0 6	17 48	1 14	15 13	0 11	4 55	2 4	34 17	10 49	19 32	19 15	22 3			n.a.
T 31	23s51	2n38	3s27	25s46	1s54	18s13	5n37	15n 1	3n18	19n13	0s 6	17s49	1n14	15n13	0s11	4n55	2n 4	34s17	10s49	19n32	19n14	22s 5			n.a.

Julian Day Number = 1113616.5, Delta T = 10h49m43s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'42, Lahiri = -26°54'42 Julian Calendar 1 Dec. 1665 BCE == Greg. Calendar 17 Nov. 1665 BCE

The year -1664 astronomical counting style corresponds to year 1665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

JANUARY 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 44 38	27♐39'30	28♈37	3♑44	3°R 2	29♌29	24°R38	23♏42	10°R53	22♍30	9♑57	25♉40	24♉23	3♐44	n.a.	F 1
S 2	5 48 35	28°40'06	13♉ 9	5°34	2♑25	29°40	24♉32	23°49	10♉52	22°30	9°59	25°41	24°19	3°51	n.a.	S 2
S 3	5 52 31	29°40'40	27°59	7°24	1°48	29°51	24°27	23°55	10°50	22°31	10° 0	25°R42	24°16	3°57	n.a.	S 3
M 4	5 56 28	0♑41'13	13♊ 1	9°15	1°10	0♍ 2	24°21	24° 1	10°49	22°31	10° 2	25°40	24°13	4° 4	n.a.	M 4
T 5	6 0 24	1°41'43	28° 9	11° 5	0°32	0°12	24°16	24° 7	10°47	22°31	10° 4	25°38	24°10	4°10	n.a.	T 5
W 6	6 4 21	2°42'12	13♋12	12°55	29♐55	0°22	24°11	24°13	10°46	22°31	10° 6	25°33	24° 7	4°17	n.a.	W 6
T 7	6 8 17	3°42'39	28° 0	14°45	29°18	0°30	24° 6	24°19	10°45	22°R31	10° 7	25°27	24° 3	4°24	n.a.	T 7
F 8	6 12 14	4°43'04	12♌27	16°34	28°42	0°39	24° 2	24°25	10°43	22°31	10° 9	25°21	24° 0	4°30	n.a.	F 8
S 9	6 16 10	5°43'28	26°27	18°22	28° 6	0°46	23°57	24°31	10°42	22°31	10°11	25°15	23°57	4°37	n.a.	S 9
S 10	6 20 7	6°43'49	9♍59	20° 9	27°32	0°53	23°53	24°37	10°41	22°31	10°12	25°10	23°54	4°44	n.a.	S 10
M11	6 24 4	7°44'09	23° 2	21°54	27° 0	1° 0	23°49	24°43	10°40	22°31	10°14	25° 7	23°51	4°50	n.a.	M11
T 12	6 28 0	8°44'28	5♎41	23°37	26°29	1° 5	23°45	24°49	10°39	22°30	10°16	25°D 6	23°48	4°57	n.a.	T 12
W13	6 31 57	9°44'45	17°59	25°17	26° 0	1°10	23°41	24°54	10°38	22°30	10°17	25° 6	23°44	5° 4	n.a.	W13
T 14	6 35 53	10°45'00	0♏ 1	26°54	25°33	1°15	23°38	25° 0	10°37	22°30	10°19	25° 8	23°41	5°10	n.a.	T 14
F 15	6 39 50	11°45'13	11°53	28°27	25° 8	1°18	23°34	25° 6	10°36	22°30	10°21	25° 9	23°38	5°17	n.a.	F 15
S 16	6 43 46	12°45'25	23°40	29°55	24°45	1°21	23°31	25°11	10°35	22°30	10°23	25°R10	23°35	5°24	n.a.	S 16
S 17	6 47 43	13°45'35	5♐26	1♒19	24°25	1°24	23°28	25°17	10°34	22°29	10°24	25° 9	23°32	5°30	n.a.	S 17
M18	6 51 39	14°45'43	17°15	2°37	24° 7	1°25	23°25	25°22	10°34	22°29	10°26	25° 7	23°29	5°37	n.a.	M18
T 19	6 55 36	15°45'49	29°10	3°49	23°51	1°26	23°23	25°28	10°33	22°29	10°28	25° 2	23°25	5°44	n.a.	T 19
W20	6 59 33	16°45'54	11♑13	4°55	23°38	1°R26	23°20	25°33	10°32	22°28	10°29	24°54	23°22	5°50	n.a.	W20
T 21	7 3 29	17°45'56	23°26	5°53	23°27	1°25	23°18	25°38	10°32	22°28	10°31	24°45	23°19	5°57	n.a.	T 21
F 22	7 7 26	18°45'56	5♒51	6°43	23°19	1°24	23°16	25°43	10°31	22°27	10°33	24°35	23°16	6° 4	n.a.	F 22
S 23	7 11 22	19°45'54	18°27	7°25	23°13	1°22	23°14	25°48	10°31	22°27	10°34	24°24	23°13	6°10	n.a.	S 23
S 24	7 15 19	20°45'50	1♓14	7°58	23°10	1°19	23°12	25°53	10°30	22°26	10°36	24°15	23° 9	6°17	n.a.	S 24
M25	7 19 15	21°45'43	14°14	8°23	23°D 9	1°15	23°11	25°58	10°30	22°26	10°38	24° 7	23° 6	6°23	n.a.	M25
T 26	7 23 12	22°45'34	27°27	8°39	23°10	1°10	23°10	26° 3	10°30	22°25	10°39	24° 2	23° 3	6°30	n.a.	T 26
W27	7 27 8	23°45'22	10♈53	8°R46	23°14	1° 5	23° 9	26° 8	10°29	22°24	10°41	23°59	23° 0	6°37	n.a.	W27
T 28	7 31 5	24°45'09	24°34	8°44	23°20	0°59	23° 8	26°13	10°29	22°24	10°43	23°D58	22°57	6°43	n.a.	T 28
F 29	7 35 1	25°44'52	8♉32	8°33	23°29	0°52	23° 7	26°18	10°29	22°23	10°44	23°58	22°54	6°50	n.a.	F 29
S 30	7 38 58	26°44'33	22°45	8°14	23°39	0°45	23° 7	26°22	10°29	22°22	10°46	23°R59	22°50	6°57	n.a.	S 30
S 31	7 42 55	27♑44'12	7♊13	7♒48	23♐52	0♍36	23♉ 6	26♏27	10°D29	22♍22	10♑48	23♉58	22♉47	7♐ 3	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s52	8n58	2s23	25s41	1s51	18s 2	5n49	14n59	3n20	19n11	0s 6	17s51	1n14	15n12	0s11	4n55	2n 4	34s17	10s49	19n32	19n13	22s 7		n.a.
S 2	23 53	15 0	1 8	25 34	1 48	17 51	6 1	14 56	3 22	19 10	0 6	17 53	1 14	15 12	0 11	4 55	2 4	34 17	10 49	19 33	19 12	22 9		n.a.
S 3	23 53	20 17	0n12	25 24	1 44	17 40	6 13	14 54	3 23	19 9	0 5	17 54	1 14	15 11	0 11	4 55	2 4	34 17	10 49	19 33	19 12	22 11		n.a.
M 4	23 53	24 20	1 33	25 13	1 39	17 30	6 23	14 51	3 25	19 8	0 5	17 56	1 14	15 11	0 11	4 55	2 4	34 17	10 49	19 32	19 11	22 13		n.a.
T 5	23 53	26 40	2 48	24 59	1 34	17 21	6 33	14 49	3 27	19 7	0 5	17 57	1 14	15 10	0 11	4 55	2 4	34 16	10 49	19 32	19 10	22 16		n.a.
W 6	23 52	27 2	3 50	24 42	1 28	17 12	6 42	14 48	3 29	19 6	0 5	17 59	1 14	15 10	0 11	4 55	2 4	34 16	10 49	19 31	19 9	22 18		n.a.
T 7	23 50	25 27	4 36	24 24	1 21	17 3	6 50	14 46	3 30	19 5	0 5	18 0	1 15	15 10	0 11	4 55	2 5	34 16	10 49	19 29	19 8	22 20		n.a.
F 8	23 48	22 13	5 3	24 3	1 14	16 56	6 57	14 45	3 32	19 4	0 5	18 2	1 15	15 9	0 11	4 56	2 5	34 16	10 49	19 28	19 8	22 22		n.a.
S 9	23 46	17 47	5 10	23 41	1 5	16 49	7 4	14 44	3 34	19 3	0 4	18 3	1 15	15 9	0 11	4 56	2 5	34 16	10 49	19 26	19 7	22 24		n.a.
S 10	23 43	12 35	5 0	23 16	0 56	16 43	7 9	14 43	3 36	19 2	0 4	18 5	1 15	15 8	0 11	4 56	2 5	34 16	10 49	19 25	19 6	22 26		n.a.
M11	23 40	7 0	4 35	22 50	0 46	16 37	7 14	14 42	3 37	19 1	0 4	18 6	1 15	15 8	0 11	4 56	2 5	34 16	10 49	19 24	19 5	22 28		n.a.
T 12	23 36	1 18	3 56	22 22	0 36	16 33	7 18	14 42	3 39	19 0	0 4	18 7	1 15	15 8	0 11	4 56	2 5	34 16	10 49	19 24	19 4	22 30		n.a.
W13	23 31	4s18	3 8	21 53	0 24	16 29	7 21	14 41	3 41	18 59	0 4	18 9	1 15	15 7	0 11	4 56	2 5	34 15	10 49	19 24	19 4	22 32		n.a.
T 14	23 27	9 38	2 12	21 23	0 12	16 26	7 23	14 41	3 43	18 58	0 4	18 10	1 15	15 7	0 11	4 56	2 5	34 15	10 49	19 24	19 3	22 34		n.a.
F 15	23 22	14 33	1 11	20 51	0n 0	16 24	7 25	14 42	3 44	18 58	0 3	18 12	1 15	15 7	0 11	4 56	2 5	34 15	10 49	19 25	19 2	22 37		n.a.
S 16	23 16	18 55	0 8	20 20	0 14	16 22	7 25	14 42	3 46	18 57	0 3	18 13	1 15	15 7	0 10	4 57	2 5	34 15	10 49	19 25	19 1	22 39		n.a.
S 17	23 10	22 31	0s55	19 48	0 28	16 21	7 25	14 43	3 48	18 56	0 3	18 14	1 15	15 6	0 10	4 57	2 5	34 15	10 49	19 25	19 0	22 41		n.a.
M18	23 3	25 12	1 56	19 16	0 42	16 21	7 25	14 44	3 49	18 56	0 3	18 15	1 15	15 6	0 10	4 57	2 5	34 15	10 49	19 24	19 0	22 43		n.a.
T 19	22 56	26 46	2 53	18 44	0 57	16 22	7 23	14 45	3 51	18 55	0 3	18 17	1 15	15 6	0 10	4 57	2 5	34 15	10 49	19 23	18 59	22 45		n.a.
W20	22 49	27 5	3 42	18 14	1 12	16 23	7 21	14 47	3 53	18 55	0 3	18 18	1 15	15 6	0 10	4 57	2 5	34 15	10 49	19 21	18 58	22 47		n.a.
T 21	22 41	26 6	4 21	17 45	1 27	16 25	7 19	14 49	3 55	18 54	0 2	18 19	1 15	15 6	0 10	4 58	2 6	34 15	10 49	19 19	18 57	22 49		n.a.
F 22	22 33	23 50	4 49	17 17	1 43	16 28	7 16	14 51	3 56	18 54	0 2	18 20	1 15	15 6	0 10	4 58	2 6	34 15	10 49	19 16	18 56	22 51		n.a.
S 23	22 24	20 23	5 4	16 52	1 58	16 31	7 12	14 53	3 58	18 54	0 2	18 22	1 15	15 5	0 10	4 58	2 6	34 15	10 49	19 14	18 55	22 53		n.a.
S 24	22 15	15 56	5 3	16 28	2 13	16 35	7 8	14 56	3 59	18 53	0 2	18 23	1 15	15 5	0 10	4 58	2 6	34 15	10 49	19 11	18 55	22 55		n.a.
M25	22 6	10 43	4 47	16 8	2 28	16 40	7 4	14 58	4 1	18 53	0 2	18 24	1 15	15 5	0 10	4 59	2 6	34 14	10 50	19 9	18 54	22 57		n.a.
T 26	21 56	4 55	4 15	15 50	2 42	16 44	6 59	15 1	4 3	18 53	0 2	18 25	1 15	15 5	0 10	4 59	2 6	34 14	10 50	19 8	18 53	22 59		n.a.
W27	21 45	1n11	3 29	15 35	2 55	16 50	6 53	15 5	4 4	18 53	0 2	18 26	1 15	15 5	0 10	4 59	2 6	34 14	10 50	19 7	18 52	23 1		n.a.
T 28	21 35	7 22	2 30	15 24	3 8	16 56	6 48	15 8	4 6	18 53	0 1	18 27	1 15	15 5	0 10	5 0	2 6	34 14	10 50	19 7	18 51	23 3		n.a.
F 29	21 24	13 20	1 22	15 16	3 19	17 2	6 42	15 12	4 7	18 53	0 1	18 28	1 15	15 5	0 10	5 0	2 6	34 14	10 50	19 7	18 51	23 5		n.a.
S 30	21 12	18 42	0 7	15 11	3 29	17 9	6 36	15 16	4 8	18 53	0 1	18 30	1 15	15 5	0 10	5 0	2 6	34 14	10 50	19 7	18 50	23 7		n.a.
S 31	21s 0	23n 4	1n10	15s10	3n37	17s15	6n30	15n21	4n10	18n53	0s 1	18s31	1n15	15n 5	0s10	5n 1	2n 6	34s14	10s50	19n 7	18n49	23s 9		n.a.

Julian Day Number = 1113647.5, Delta T = 10h49m41s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'38, Lahiri = -26°54'38 Julian Calendar 1 Jan. 1664 BCE == Greg. Calendar 18 Dec. 1665 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

FEBRUARY 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 46 51	28♉43'49	21♊52	7°R14	24♐ 7	0°R27	23°D 6	26♏31	10♑29	22°R21	10♉49	23°R56	22♑44	7♐10	n.a.	M 1
T 2	7 50 48	29°43'23	6♋39	6♒34	24°24	0♍17	23♑ 6	26°36	10°29	22♍20	10°51	23♑50	22°41	7°17	n.a.	T 2
W 3	7 54 44	0♒42'54	21°24	5°49	24°42	0° 7	23° 7	26°40	10°29	22°19	10°53	23°42	22°38	7°23	n.a.	W 3
T 4	7 58 41	1°42'24	6♌ 2	4°59	25° 3	29♌55	23° 7	26°44	10°29	22°18	10°54	23°32	22°35	7°30	n.a.	T 4
F 5	8 2 37	2°41'51	20°23	4° 7	25°25	29°43	23° 8	26°49	10°29	22°17	10°56	23°21	22°31	7°37	n.a.	F 5
S 6	8 6 34	3°41'16	4♍22	3°13	25°50	29°30	23° 9	26°53	10°30	22°17	10°57	23°10	22°28	7°43	n.a.	S 6
S 7	8 10 30	4°40'39	17°56	2°18	26°16	29°17	23°10	26°57	10°30	22°16	10°59	23° 1	22°25	7°50	n.a.	S 7
M 8	8 14 27	5°40'00	1♎ 3	1°23	26°43	29° 3	23°11	27° 1	10°30	22°15	11° 1	22°54	22°22	7°57	n.a.	M 8
T 9	8 18 24	6°39'19	13°46	0°30	27°12	28°48	23°12	27° 5	10°31	22°14	11° 2	22°50	22°19	8° 3	n.a.	T 9
W10	8 22 20	7°38'36	26° 7	29♉40	27°43	28°32	23°14	27° 8	10°31	22°13	11° 4	22°47	22°15	8°10	n.a.	W10
T 11	8 26 17	8°37'51	8♏12	28°53	28°15	28°15	23°16	27°12	10°32	22°12	11° 5	22°D47	22°12	8°17	n.a.	T 11
F 12	8 30 13	9°37'04	20° 5	28°10	28°49	27°59	23°18	27°16	10°32	22°10	11° 7	22°R47	22° 9	8°23	n.a.	F 12
S 13	8 34 10	10°36'16	1♐53	27°31	29°24	27°41	23°20	27°19	10°33	22° 9	11° 8	22°47	22° 6	8°30	n.a.	S 13
S 14	8 38 6	11°35'25	13°40	26°58	29°59	27°23	23°22	27°23	10°34	22° 8	11°10	22°45	22° 3	8°37	n.a.	S 14
M15	8 42 3	12°34'32	25°32	26°31	0♉37	27° 4	23°25	27°26	10°35	22° 7	11°11	22°41	22° 0	8°43	n.a.	M15
T 16	8 45 59	13°33'38	7♉33	26° 9	1°16	26°45	23°28	27°30	10°35	22° 6	11°13	22°34	21°56	8°50	n.a.	T 16
W17	8 49 56	14°32'41	19°45	25°52	1°56	26°25	23°31	27°33	10°36	22° 5	11°14	22°25	21°53	8°56	n.a.	W17
T 18	8 53 52	15°31'43	2♒12	25°42	2°36	26° 5	23°34	27°36	10°37	22° 4	11°16	22°13	21°50	9° 3	n.a.	T 18
F 19	8 57 49	16°30'42	14°53	25°D37	3°18	25°44	23°37	27°39	10°38	22° 2	11°17	22° 0	21°47	9°10	n.a.	F 19
S 20	9 1 46	17°29'39	27°48	25°38	4° 1	25°23	23°41	27°42	10°39	22° 1	11°19	21°46	21°44	9°16	n.a.	S 20
S 21	9 5 42	18°28'33	10♓57	25°44	4°45	25° 1	23°44	27°45	10°40	22° 0	11°20	21°34	21°41	9°23	n.a.	S 21
M22	9 9 39	19°27'26	24°18	25°55	5°30	24°40	23°48	27°48	10°41	21°59	11°22	21°24	21°37	9°30	n.a.	M22
T 23	9 13 35	20°26'16	7♈49	26°12	6°15	24°18	23°52	27°50	10°42	21°57	11°23	21°16	21°34	9°36	n.a.	T 23
W24	9 17 32	21°25'03	21°30	26°33	7° 2	23°55	23°56	27°53	10°44	21°56	11°24	21°12	21°31	9°43	n.a.	W24
T 25	9 21 28	22°23'48	5♉18	26°59	7°49	23°33	24° 1	27°55	10°45	21°55	11°26	21°10	21°28	9°50	n.a.	T 25
F 26	9 25 25	23°22'31	19°16	27°29	8°37	23°10	24° 5	27°58	10°46	21°53	11°27	21° 9	21°25	9°56	n.a.	F 26
S 27	9 29 21	24°21'12	3♊21	28° 3	9°26	22°48	24°10	28° 0	10°47	21°52	11°28	21° 9	21°21	10° 3	n.a.	S 27
S 28	9 33 18	25♒19'50	17♊33	28♉42	10♉15	22♌25	24♑15	28♏ 2	10♑49	21♍50	11♉30	21♑ 8	21♑18	10♐10	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20s48	26n 1	2n23	15s12	3n44	17s23	6n23	15n25	4n11	18n53	0s 1	18s32	1n15	15n 5	0s10	5n 1	2n 6	34s14	10s50	19n 6	18n48	23s11		n.a.
T 2	20 35	27 10	3 27	15 17	3 49	17 30	6 16	15 30	4 12	18 53	0 1	18 33	1 15	15 5	0 10	5 1	2 6	34 14	10 50	19 5	18 47	23 13		n.a.
W 3	20 22	26 22	4 16	15 25	3 52	17 38	6 9	15 35	4 14	18 53	0 1	18 34	1 15	15 5	0 10	5 2	2 6	34 14	10 51	19 3	18 46	23 15		n.a.
T 4	20 9	23 46	4 49	15 36	3 54	17 46	6 2	15 40	4 15	18 54	0 0	18 35	1 15	15 5	0 10	5 2	2 6	34 14	10 51	19 0	18 46	23 17		n.a.
F 5	19 56	19 43	5 2	15 49	3 53	17 54	5 55	15 46	4 16	18 54	0 0	18 36	1 15	15 5	0 10	5 3	2 6	34 14	10 51	18 58	18 45	23 19		n.a.
S 6	19 42	14 41	4 57	16 5	3 50	18 2	5 48	15 51	4 17	18 54	0 0	18 36	1 15	15 5	0 10	5 3	2 7	34 14	10 51	18 55	18 44	23 21		n.a.
S 7	19 27	9 3	4 35	16 22	3 46	18 10	5 40	15 57	4 18	18 55	0n 0	18 37	1 15	15 5	0 10	5 4	2 7	34 14	10 51	18 53	18 43	23 23		n.a.
M 8	19 13	3 13	3 59	16 40	3 39	18 18	5 33	16 3	4 19	18 55	0 0	18 38	1 15	15 6	0 10	5 4	2 7	34 14	10 51	18 51	18 42	23 25		n.a.
T 9	18 58	2s36	3 12	16 59	3 31	18 27	5 25	16 9	4 19	18 56	0 0	18 39	1 15	15 6	0 10	5 4	2 7	34 14	10 52	18 50	18 42	23 27		n.a.
W10	18 42	8 9	2 17	17 19	3 22	18 35	5 17	16 15	4 20	18 56	0 0	18 40	1 15	15 6	0 10	5 5	2 7	34 14	10 52	18 49	18 41	23 29		n.a.
T 11	18 27	13 18	1 17	17 39	3 11	18 43	5 10	16 22	4 21	18 57	0 1	18 41	1 15	15 6	0 10	5 5	2 7	34 14	10 52	18 49	18 40	23 31		n.a.
F 12	18 11	17 52	0 14	18 0	2 59	18 51	5 2	16 28	4 21	18 58	0 1	18 42	1 16	15 6	0 10	5 6	2 7	34 14	10 52	18 49	18 39	23 32		n.a.
S 13	17 54	21 43	0s48	18 20	2 46	18 59	4 54	16 35	4 22	18 58	0 1	18 42	1 16	15 6	0 10	5 6	2 7	34 14	10 52	18 49	18 38	23 34		n.a.
S 14	17 38	24 40	1 48	18 40	2 33	19 7	4 46	16 42	4 22	18 59	0 1	18 43	1 16	15 7	0 10	5 7	2 7	34 14	10 52	18 48	18 37	23 36		n.a.
M15	17 21	26 33	2 44	18 59	2 19	19 15	4 39	16 49	4 22	19 0	0 1	18 44	1 16	15 7	0 10	5 7	2 7	34 14	10 53	18 47	18 37	23 38		n.a.
T 16	17 4	27 13	3 33	19 17	2 4	19 22	4 31	16 56	4 23	19 1	0 1	18 45	1 16	15 7	0 10	5 8	2 7	34 14	10 53	18 46	18 36	23 40		n.a.
W17	16 47	26 35	4 13	19 35	1 50	19 30	4 23	17 3	4 23	19 1	0 1	18 45	1 16	15 8	0 10	5 8	2 7	34 15	10 53	18 43	18 35	23 42		n.a.
T 18	16 29	24 37	4 42	19 51	1 35	19 37	4 15	17 10	4 23	19 2	0 1	18 46	1 16	15 8	0 10	5 9	2 7	34 15	10 53	18 40	18 34	23 44		n.a.
F 19	16 11	21 24	4 58	20 6	1 20	19 44	4 7	17 17	4 23	19 3	0 2	18 47	1 16	15 8	0 10	5 9	2 7	34 15	10 53	18 37	18 33	23 46		n.a.
S 20	15 53	17 7	4 58	20 21	1 6	19 50	4 0	17 24	4 22	19 4	0 2	18 47	1 16	15 9	0 10	5 10	2 7	34 15	10 54	18 33	18 32	23 48		n.a.
S 21	15 34	11 57	4 43	20 33	0 51	19 57	3 52	17 31	4 22	19 5	0 2	18 48	1 16	15 9	0 10	5 10	2 7	34 15	10 54	18 30	18 31	23 50		n.a.
M22	15 16	6 10	4 13	20 45	0 37	20 3	3 44	17 39	4 22	19 6	0 2	18 48	1 16	15 9	0 10	5 11	2 7	34 15	10 54	18 27	18 31	23 51		n.a.
T 23	14 57	0 1	3 27	20 55	0 24	20 8	3 36	17 46	4 21	19 8	0 2	18 49	1 16	15 10	0 10	5 12	2 7	34 15	10 54	18 25	18 30	23 53		n.a.
W24	14 38	6n13	2 30	21 4	0 10	20 13	3 29	17 53	4 20	19 9	0 2	18 49	1 16	15 10	0 10	5 12	2 7	34 15	10 54	18 24	18 29	23 55		n.a.
T 25	14 18	12 14	1 23	21 12	0s 3	20 18	3 21	18 0	4 20	19 10	0 2	18 50	1 16	15 10	0 10	5 13	2 7	34 15	10 55	18 23	18 28	23 57		n.a.
F 26	13 59	17 43	0 10	21 18	0 15	20 23	3 14	18 6	4 19	19 11	0 3	18 50	1 16	15 11	0 10	5 13	2 8	34 15	10 55	18 23	18 27	23 59		n.a.
S 27	13 39	22 16	1n 4	21 23	0 27	20 27	3 6	18 13	4 18	19 13	0 3	18 51	1 16	15 11	0 10	5 14	2 8	34 15	10 55	18 23	18 26	24 1		n.a.
S 28	13s19	25n32	2n15	21s26	0s38	20s31	2n59	18n20	4n17	19n14	0n 3	18s51	1n16	15n12	0s10	5n15	2n 8	34s15	10s55	18n23	18n26	24s 2		n.a.

Julian Day Number = 1113678.5, Delta T = 10h49m39s
Ecliptic obliquity = 23°53'24, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'34, Lahiri = -26°54'34 Julian Calendar 1 Feb. 1664 BCE == Greg. Calendar 18 Jan. 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

MARCH 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 37 14	26♒18'26	1♋51	29♉24	11♉ 6	22°R 2	24♉20	28♏ 4	10♉50	21°R49	11♉31	21°R 5	21♉15	10♐16	n.a.	M 1
T 2	9 41 11	27°16'59	16°12	0♒10	11°56	21♌40	24°25	28° 6	10°52	21♍48	11°32	20♉59	21°12	10°23	n.a.	T 2
W 3	9 45 8	28°15'30	0♌31	0°59	12°48	21°17	24°30	28° 8	10°53	21°46	11°33	20°50	21° 9	10°30	n.a.	W 3
T 4	9 49 4	29°13'59	14°45	1°52	13°40	20°55	24°36	28°10	10°55	21°45	11°35	20°40	21° 6	10°36	n.a.	T 4
F 5	9 53 1	0♓12'25	28°46	2°47	14°33	20°33	24°41	28°12	10°57	21°43	11°36	20°28	21° 2	10°43	n.a.	F 5
S 6	9 56 57	1°10'50	12♍30	3°46	15°26	20°11	24°47	28°14	10°58	21°42	11°37	20°16	20°59	10°50	n.a.	S 6
S 7	10 0 54	2° 9'12	25°54	4°47	16°20	19°49	24°53	28°15	11° 0	21°40	11°38	20° 6	20°56	10°56	n.a.	S 7
M 8	10 4 50	3° 7'33	8♎56	5°51	17°15	19°28	24°59	28°17	11° 2	21°39	11°39	19°57	20°53	11° 3	n.a.	M 8
T 9	10 8 47	4° 5'52	21°36	6°58	18°10	19° 7	25° 5	28°18	11° 4	21°37	11°41	19°52	20°50	11°10	n.a.	T 9
W10	10 12 43	5° 4'09	3♏58	8° 7	19° 5	18°46	25°12	28°19	11° 6	21°36	11°42	19°49	20°46	11°16	n.a.	W10
T 11	10 16 40	6° 2'24	16° 4	9°19	20° 1	18°26	25°18	28°21	11° 8	21°34	11°43	19°D48	20°43	11°23	n.a.	T 11
F 12	10 20 36	7° 0'38	27°59	10°33	20°58	18° 6	25°25	28°22	11° 9	21°33	11°44	19°48	20°40	11°30	n.a.	F 12
S 13	10 24 33	7°58'50	9♐48	11°49	21°55	17°46	25°32	28°23	11°11	21°31	11°45	19°R48	20°37	11°36	n.a.	S 13
S 14	10 28 30	8°57'01	21°37	13° 8	22°52	17°28	25°38	28°24	11°14	21°29	11°46	19°47	20°34	11°43	n.a.	S 14
M15	10 32 26	9°55'09	3♑32	14°28	23°50	17° 9	25°46	28°24	11°16	21°28	11°47	19°45	20°31	11°49	n.a.	M15
T 16	10 36 23	10°53'17	15°37	15°51	24°48	16°52	25°53	28°25	11°18	21°26	11°48	19°40	20°27	11°56	n.a.	T 16
W17	10 40 19	11°51'22	27°55	17°16	25°47	16°35	26° 0	28°26	11°20	21°25	11°49	19°32	20°24	12° 3	n.a.	W17
T 18	10 44 16	12°49'26	10♒31	18°43	26°45	16°18	26° 8	28°26	11°22	21°23	11°50	19°23	20°21	12° 9	n.a.	T 18
F 19	10 48 12	13°47'28	23°26	20°12	27°45	16° 3	26°15	28°27	11°24	21°21	11°51	19°12	20°18	12°16	n.a.	F 19
S 20	10 52 9	14°45'29	6♓39	21°42	28°44	15°48	26°23	28°27	11°27	21°20	11°52	19° 1	20°15	12°23	n.a.	S 20
S 21	10 56 5	15°43'28	20° 9	23°15	29°44	15°33	26°31	28°27	11°29	21°18	11°53	18°51	20°12	12°29	n.a.	S 21
M22	11 0 2	16°41'24	3♈54	24°50	0♒45	15°20	26°39	28°27	11°31	21°17	11°54	18°42	20° 8	12°36	n.a.	M22
T 23	11 3 59	17°39'20	17°50	26°26	1°45	15° 7	26°47	28°R27	11°34	21°15	11°55	18°36	20° 5	12°43	n.a.	T 23
W24	11 7 55	18°37'13	1♉53	28° 5	2°46	14°55	26°55	28°27	11°36	21°13	11°55	18°33	20° 2	12°49	n.a.	W24
T 25	11 11 52	19°35'04	16° 1	29°45	3°47	14°44	27° 4	28°27	11°39	21°12	11°56	18°D32	19°59	12°56	n.a.	T 25
F 26	11 15 48	20°32'54	0♊11	1♓27	4°49	14°33	27°12	28°27	11°41	21°10	11°57	18°32	19°56	13° 3	n.a.	F 26
S 27	11 19 45	21°30'42	14°21	3°12	5°51	14°24	27°21	28°26	11°44	21° 8	11°58	18°33	19°52	13° 9	n.a.	S 27
S 28	11 23 41	22°28'27	28°29	4°58	6°53	14°15	27°30	28°26	11°47	21° 7	11°59	18°R33	19°49	13°16	n.a.	S 28
M29	11 27 38	23°26'11	12♋35	6°46	7°55	14° 7	27°38	28°25	11°49	21° 5	11°59	18°31	19°46	13°23	n.a.	M29
T 30	11 31 34	24°23'54	26°36	8°36	8°57	14° 0	27°47	28°25	11°52	21° 4	12° 0	18°28	19°43	13°29	n.a.	T 30
W31	11 35 31	25♓21'34	10♌32	10♓28	10♒ 0	13♌53	27♉56	28♏24	11♉55	21♍ 2	12♉ 1	18♉22	19♉40	13♐36	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	12s59	27n10	3n17	21s28	0s49	20s34	2n51	18n26	4n15	19n15	0n 3	18s52	1n16	15n12	0s10	5n15	2n 8	34s16	10s56	18n22	18n25	24s 4			n.a.
T 2	12 39	26 59	4 8	21 28	1 0	20 37	2 44	18 33	4 14	19 17	0 3	18 52	1 16	15 13	0 10	5 16	2 8	34 16	10 56	18 20	18 24	24 6			n.a.
W 3	12 18	25 0	4 42	21 27	1 9	20 40	2 37	18 39	4 13	19 18	0 3	18 53	1 17	15 13	0 10	5 16	2 8	34 16	10 56	18 18	18 23	24 8			n.a.
T 4	11 57	21 28	4 59	21 24	1 19	20 42	2 30	18 45	4 11	19 20	0 3	18 53	1 17	15 14	0 10	5 17	2 8	34 16	10 56	18 15	18 22	24 10			n.a.
F 5	11 36	16 45	4 57	21 19	1 27	20 43	2 22	18 50	4 9	19 21	0 3	18 53	1 17	15 14	0 10	5 18	2 8	34 16	10 57	18 12	18 21	24 12			n.a.
S 6	11 15	11 16	4 39	21 13	1 36	20 44	2 15	18 56	4 8	19 23	0 3	18 54	1 17	15 15	0 10	5 18	2 8	34 16	10 57	18 9	18 20	24 13			n.a.
S 7	10 54	5 23	4 5	21 6	1 43	20 45	2 8	19 1	4 6	19 24	0 4	18 54	1 17	15 15	0 10	5 19	2 8	34 16	10 57	18 6	18 20	24 15			n.a.
M 8	10 33	0s34	3 19	20 56	1 50	20 45	2 1	19 7	4 4	19 26	0 4	18 54	1 17	15 16	0 10	5 19	2 8	34 17	10 57	18 4	18 19	24 17			n.a.
T 9	10 11	6 22	2 24	20 45	1 57	20 44	1 55	19 11	4 2	19 27	0 4	18 54	1 17	15 17	0 10	5 20	2 8	34 17	10 58	18 2	18 18	24 19			n.a.
W10	9 50	11 47	1 23	20 33	2 3	20 43	1 48	19 16	4 0	19 29	0 4	18 55	1 17	15 17	0 10	5 21	2 8	34 17	10 58	18 1	18 17	24 20			n.a.
T 11	9 28	16 38	0 20	20 19	2 8	20 42	1 41	19 20	3 57	19 31	0 4	18 55	1 17	15 18	0 9	5 21	2 8	34 17	10 58	18 1	18 16	24 22			n.a.
F 12	9 6	20 47	0s43	20 3	2 13	20 40	1 35	19 25	3 55	19 33	0 4	18 55	1 17	15 19	0 9	5 22	2 8	34 17	10 58	18 1	18 15	24 24			n.a.
S 13	8 44	24 3	1 44	19 45	2 17	20 37	1 28	19 29	3 53	19 34	0 4	18 55	1 17	15 19	0 9	5 23	2 8	34 17	10 59	18 1	18 14	24 26			n.a.
S 14	8 22	26 18	2 41	19 26	2 20	20 34	1 22	19 32	3 50	19 36	0 4	18 55	1 17	15 20	0 9	5 23	2 8	34 17	10 59	18 1	18 14	24 27			n.a.
M15	8 0	27 21	3 31	19 5	2 24	20 31	1 15	19 36	3 48	19 38	0 4	18 56	1 17	15 21	0 9	5 24	2 8	34 18	10 59	18 0	18 13	24 29			n.a.
T 16	7 37	27 7	4 12	18 42	2 26	20 26	1 9	19 39	3 45	19 40	0 5	18 56	1 17	15 21	0 9	5 25	2 8	34 18	11 0	17 59	18 12	24 31			n.a.
W17	7 15	25 34	4 42	18 18	2 28	20 22	1 3	19 41	3 43	19 42	0 5	18 56	1 17	15 22	0 9	5 25	2 8	34 18	11 0	17 57	18 11	24 33			n.a.
T 18	6 52	22 43	4 59	17 52	2 29	20 16	0 57	19 44	3 40	19 44	0 5	18 56	1 17	15 23	0 9	5 26	2 8	34 18	11 0	17 54	18 10	24 34			n.a.
F 19	6 29	18 42	5 2	17 24	2 30	20 11	0 51	19 46	3 37	19 46	0 5	18 56	1 17	15 23	0 9	5 27	2 8	34 18	11 0	17 51	18 9	24 36			n.a.
S 20	6 7	13 42	4 49	16 54	2 30	20 4	0 45	19 48	3 34	19 48	0 5	18 56	1 17	15 24	0 9	5 27	2 8	34 19	11 1	17 48	18 8	24 38			n.a.
S 21	5 44	7 56	4 19	16 23	2 30	19 57	0 39	19 50	3 32	19 49	0 5	18 56	1 17	15 25	0 9	5 28	2 8	34 19	11 1	17 45	18 8	24 40			n.a.
M22	5 21	1 42	3 35	15 50	2 29	19 50	0 33	19 51	3 29	19 51	0 5	18 56	1 18	15 26	0 9	5 29	2 8	34 19	11 1	17 43	18 7	24 41			n.a.
T 23	4 58	4n43	2 36	15 15	2 28	19 42	0 28	19 52	3 26	19 54	0 5	18 56	1 18	15 26	0 9	5 29	2 8	34 19	11 2	17 41	18 6	24 43			n.a.
W24	4 35	10 59	1 28	14 38	2 26	19 33	0 22	19 53	3 23	19 56	0 5	18 56	1 18	15 27	0 9	5 30	2 8	34 19	11 2	17 40	18 5	24 45			n.a.
T 25	4 12	16 44	0 13	14 0	2 23	19 24	0 17	19 54	3 20	19 58	0 6	18 56	1 18	15 28	0 9	5 31	2 8	34 20	11 2	17 40	18 4	24 46			n.a.
F 26	3 49	21 35	1n 2	13 20	2 20	19 14	0 11	19 54	3 17	20 0	0 6	18 56	1 18	15 29	0 9	5 31	2 8	34 20	11 2	17 40	18 3	24 48			n.a.
S 27	3 26	25 10	2 14	12 38	2 16	19 4	0 6	19 54	3 14	20 2	0 6	18 55	1 18	15 30	0 9	5 32	2 8	34 20	11 3	17 40	18 2	24 50			n.a.
S 28	3 2	27 10	3 17	11 54	2 12	18 53	0 1	19 54	3 11	20 4	0 6	18 55	1 18	15 30	0 9	5 33	2 8	34 20	11 3	17 40	18 1	24 51			n.a.
M29	2 39	27 24	4 8	11 9	2 7	18 42	0s 4	19 53	3 8	20 6	0 6	18 55	1 18	15 31	0 9	5 33	2 8	34 21	11 3	17 40	18 1	24 53			n.a.
T 30	2 16	25 53	4 44	10 22	2 2	18 30	0 9	19 53	3 5	20 8	0 6	18 55	1 18	15 32	0 9	5 34	2 8	34 21	11 4	17 39	18 0	24 55			n.a.
W31	1s53	22n47	5n 3	9s34	1s56	18s18	0s14	19n52	3n 2	20n10	0n 6	18s55	1n18	15n33	0s 9	5n35	2n 8	34s21	11s 4	17n37	17n59	24s56			n.a.

Julian Day Number = 1113706.5, Delta T = 10h49m37s
Ecliptic obliquity = 23°53'25, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'30, Lahiri = -26°54'30 Julian Calendar 1 March 1664 BCE == Greg. Calendar 15 Feb. 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

APRIL 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 39 28	26♓19'12	24♌18	12♓22	11♒ 3	13°R48	28♉ 6	28°R23	11♉57	21°R 0	12♑ 1	18°R14	19♉37	13♐43	n.a.	T 1
F 2	11 43 24	27°16'49	7♍53	14°17	12° 6	13♌43	28°15	28♏22	12° 0	20♍59	12° 2	18♉ 6	19°33	13°49	n.a.	F 2
S 3	11 47 21	28°14'24	21°14	16°15	13°10	13°39	28°24	28°21	12° 3	20°57	12° 3	17°57	19°30	13°56	n.a.	S 3
S 4	11 51 17	29°11'58	4♎19	18°14	14°13	13°36	28°34	28°20	12° 6	20°55	12° 3	17°50	19°27	14° 3	n.a.	S 4
M 5	11 55 14	0♈ 9'30	17° 7	20°15	15°17	13°33	28°43	28°19	12° 9	20°54	12° 4	17°44	19°24	14° 9	n.a.	M 5
T 6	11 59 10	1° 7'01	29°38	22°18	16°21	13°32	28°53	28°17	12°11	20°52	12° 4	17°41	19°21	14°16	n.a.	T 6
W 7	12 3 7	2° 4'31	11♏54	24°22	17°26	13°D31	29° 3	28°16	12°14	20°51	12° 5	17°D39	19°18	14°23	n.a.	W 7
T 8	12 7 3	3° 2'00	23°57	26°28	18°30	13°31	29°13	28°15	12°17	20°49	12° 5	17°39	19°14	14°29	n.a.	T 8
F 9	12 11 0	3°59'28	5♐52	28°36	19°35	13°32	29°23	28°13	12°20	20°48	12° 6	17°40	19°11	14°36	n.a.	F 9
S 10	12 14 56	4°56'55	17°42	0♈44	20°40	13°33	29°33	28°11	12°23	20°46	12° 6	17°42	19° 8	14°43	n.a.	S 10
S 11	12 18 53	5°54'20	29°32	2°54	21°45	13°36	29°43	28° 9	12°26	20°44	12° 7	17°43	19° 5	14°49	n.a.	S 11
M12	12 22 50	6°51'45	11♑27	5° 4	22°50	13°39	29°53	28° 8	12°29	20°43	12° 7	17°R43	19° 2	14°56	n.a.	M12
T 13	12 26 46	7°49'09	23°33	7°15	23°55	13°43	0♊ 4	28° 6	12°33	20°41	12° 7	17°41	18°58	15° 3	n.a.	T 13
W14	12 30 43	8°46'32	5♒54	9°27	25° 1	13°47	0°14	28° 4	12°36	20°40	12° 8	17°38	18°55	15° 9	n.a.	W14
T 15	12 34 39	9°43'55	18°34	11°38	26° 7	13°53	0°25	28° 2	12°39	20°38	12° 8	17°34	18°52	15°16	n.a.	T 15
F 16	12 38 36	10°41'16	1♓35	13°49	27°13	13°59	0°35	27°59	12°42	20°37	12° 8	17°29	18°49	15°23	n.a.	F 16
S 17	12 42 32	11°38'36	14°59	16° 0	28°19	14° 5	0°46	27°57	12°45	20°35	12° 9	17°23	18°46	15°29	n.a.	S 17
S 18	12 46 29	12°35'56	28°45	18°10	29°25	14°13	0°57	27°55	12°48	20°34	12° 9	17°17	18°43	15°36	n.a.	S 18
M19	12 50 25	13°33'14	12♈50	20°19	0♓31	14°21	1° 8	27°52	12°52	20°32	12° 9	17°13	18°39	15°43	n.a.	M19
T 20	12 54 22	14°30'32	27° 9	22°27	1°38	14°30	1°18	27°50	12°55	20°31	12° 9	17°10	18°36	15°49	n.a.	T 20
W21	12 58 19	15°27'49	11♉38	24°33	2°44	14°39	1°30	27°47	12°58	20°29	12° 9	17°D 9	18°33	15°56	n.a.	W21
T 22	13 2 15	16°25'04	26°11	26°38	3°51	14°50	1°41	27°44	13° 1	20°28	12°10	17° 9	18°30	16° 3	n.a.	T 22
F 23	13 6 12	17°22'19	10♊42	28°41	4°58	15° 0	1°52	27°42	13° 5	20°27	12°10	17°10	18°27	16° 9	n.a.	F 23
S 24	13 10 8	18°19'33	25° 7	0♋42	6° 5	15°12	2° 3	27°39	13° 8	20°25	12°10	17°12	18°23	16°16	n.a.	S 24
S 25	13 14 5	19°16'45	9♋23	2°41	7°12	15°24	2°14	27°36	13°11	20°24	12°10	17°13	18°20	16°23	n.a.	S 25
M26	13 18 1	20°13'57	23°28	4°37	8°19	15°37	2°26	27°33	13°15	20°22	12°10	17°R13	18°17	16°29	n.a.	M26
T 27	13 21 58	21°11'07	7♌20	6°31	9°26	15°50	2°37	27°30	13°18	20°21	12°R10	17°12	18°14	16°36	n.a.	T 27
W28	13 25 55	22° 8'17	20°59	8°23	10°34	16° 4	2°49	27°27	13°22	20°20	12°10	17°10	18°11	16°42	n.a.	W28
T 29	13 29 51	23° 5'25	4♍24	10°13	11°41	16°19	3° 0	27°23	13°25	20°18	12°10	17° 7	18° 8	16°49	n.a.	T 29
F 30	13 33 48	24♈ 2'33	17♍35	12♉ 0	12♓49	16♌34	3♊12	27♏20	13♉29	20♍17	12♑10	17♉ 4	18♉ 4	16♐56	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s29	18n26	5n 4	8s44	1s49	18s 5	0s19	19n50	2n58	20n13	0n 6	18s54	1n18	15n34	0s 9	5n35	2n 8	34s21	11s 4	17n35	17n58	24s58		n.a.
F 2	1 6	13 13	4 48	7 52	1 42	17 51	0 23	19 49	2 55	20 15	0 6	18 54	1 18	15 35	0 9	5 36	2 8	34 22	11 5	17 33	17 57	25 0		n.a.
S 3	0 43	7 27	4 17	6 59	1 35	17 37	0 28	19 47	2 52	20 17	0 7	18 54	1 18	15 36	0 9	5 36	2 8	34 22	11 5	17 30	17 56	25 1		n.a.
S 4	0 19	1 29	3 32	6 4	1 27	17 23	0 32	19 45	2 49	20 19	0 7	18 54	1 18	15 37	0 9	5 37	2 8	34 22	11 5	17 28	17 55	25 3		n.a.
M 5	0n 4	4s26	2 37	5 8	1 18	17 8	0 36	19 43	2 46	20 22	0 7	18 53	1 18	15 37	0 9	5 38	2 8	34 22	11 6	17 26	17 54	25 4		n.a.
T 6	0 27	10 4	1 36	4 10	1 10	16 53	0 41	19 40	2 43	20 24	0 7	18 53	1 18	15 38	0 9	5 38	2 8	34 23	11 6	17 25	17 54	25 6		n.a.
W 7	0 50	15 12	0 31	3 12	1 0	16 37	0 45	19 38	2 40	20 26	0 7	18 53	1 18	15 39	0 9	5 39	2 8	34 23	11 6	17 25	17 53	25 8		n.a.
T 8	1 14	19 40	0s34	2 12	0 51	16 20	0 49	19 35	2 37	20 28	0 7	18 52	1 18	15 40	0 9	5 40	2 8	34 23	11 7	17 25	17 52	25 9		n.a.
F 9	1 37	23 17	1 37	1 12	0 41	16 3	0 53	19 32	2 34	20 31	0 7	18 52	1 18	15 41	0 9	5 40	2 8	34 23	11 7	17 25	17 51	25 11		n.a.
S 10	2 0	25 54	2 36	0 10	0 31	15 46	0 56	19 28	2 31	20 33	0 7	18 51	1 18	15 42	0 9	5 41	2 8	34 24	11 7	17 26	17 50	25 12		n.a.
S 11	2 23	27 21	3 28	0n52	0 20	15 28	1 0	19 25	2 28	20 35	0 7	18 51	1 18	15 43	0 9	5 41	2 8	34 24	11 8	17 26	17 49	25 14		n.a.
M12	2 46	27 33	4 11	1 54	0 10	15 10	1 4	19 21	2 25	20 38	0 7	18 51	1 18	15 44	0 9	5 42	2 8	34 24	11 8	17 26	17 48	25 16		n.a.
T 13	3 9	26 27	4 44	2 56	0n 1	14 51	1 7	19 17	2 22	20 40	0 8	18 50	1 18	15 45	0 9	5 43	2 8	34 25	11 8	17 26	17 47	25 17		n.a.
W14	3 33	24 3	5 4	3 59	0 11	14 32	1 10	19 13	2 19	20 42	0 8	18 50	1 19	15 46	0 9	5 43	2 8	34 25	11 9	17 25	17 47	25 19		n.a.
T 15	3 56	20 27	5 11	5 1	0 22	14 12	1 14	19 8	2 16	20 45	0 8	18 49	1 19	15 47	0 9	5 44	2 8	34 25	11 9	17 24	17 46	25 20		n.a.
F 16	4 18	15 47	5 1	6 2	0 32	13 52	1 17	19 4	2 13	20 47	0 8	18 49	1 19	15 48	0 9	5 44	2 8	34 25	11 9	17 22	17 45	25 22		n.a.
S 17	4 41	10 15	4 36	7 3	0 42	13 32	1 20	18 59	2 10	20 49	0 8	18 48	1 19	15 49	0 9	5 45	2 8	34 26	11 10	17 20	17 44	25 23		n.a.
S 18	5 4	4 4	3 54	8 3	0 52	13 11	1 23	18 54	2 8	20 52	0 8	18 47	1 19	15 50	0 9	5 46	2 8	34 26	11 10	17 19	17 43	25 25		n.a.
M19	5 27	2n27	2 56	9 2	1 1	12 50	1 26	18 49	2 5	20 54	0 8	18 47	1 19	15 51	0 9	5 46	2 8	34 26	11 10	17 18	17 42	25 26		n.a.
T 20	5 49	8 59	1 47	9 59	1 10	12 28	1 28	18 44	2 2	20 57	0 8	18 46	1 19	15 52	0 9	5 47	2 8	34 27	11 11	17 17	17 41	25 28		n.a.
W21	6 12	15 8	0 30	10 55	1 19	12 6	1 31	18 38	1 59	20 59	0 8	18 46	1 19	15 53	0 9	5 47	2 8	34 27	11 11	17 16	17 40	25 29		n.a.
T 22	6 34	20 28	0n49	11 49	1 27	11 44	1 33	18 33	1 56	21 1	0 8	18 45	1 19	15 54	0 9	5 48	2 8	34 27	11 11	17 16	17 39	25 31		n.a.
F 23	6 57	24 32	2 6	12 41	1 35	11 21	1 36	18 27	1 54	21 4	0 9	18 44	1 19	15 55	0 9	5 48	2 8	34 28	11 12	17 17	17 38	25 32		n.a.
S 24	7 19	27 1	3 13	13 31	1 42	10 58	1 38	18 21	1 51	21 6	0 9	18 44	1 19	15 56	0 9	5 49	2 8	34 28	11 12	17 17	17 38	25 34		n.a.
S 25	7 41	27 41	4 8	14 19	1 48	10 35	1 40	18 14	1 48	21 9	0 9	18 43	1 19	15 57	0 9	5 49	2 8	34 28	11 12	17 17	17 37	25 35		n.a.
M26	8 3	26 31	4 47	15 5	1 54	10 11	1 42	18 8	1 46	21 11	0 9	18 42	1 19	15 58	0 9	5 50	2 8	34 29	11 13	17 17	17 36	25 37		n.a.
T 27	8 25	23 45	5 9	15 49	1 59	9 47	1 44	18 1	1 43	21 13	0 9	18 42	1 19	15 59	0 9	5 50	2 8	34 29	11 13	17 17	17 35	25 38		n.a.
W28	8 47	19 42	5 13	16 30	2 3	9 23	1 46	17 55	1 40	21 16	0 9	18 41	1 19	16 0	0 9	5 51	2 8	34 29	11 13	17 17	17 34	25 40		n.a.
T 29	9 8	14 43	5 0	17 9	2 7	8 58	1 48	17 48	1 38	21 18	0 9	18 40	1 19	16 1	0 9	5 51	2 8	34 30	11 14	17 16	17 33	25 41		n.a.
F 30	9n30	9n 8	4n31	17n46	2n10	8s33	1s50	17n41	1n35	21n20	0n 9	18s39	1n19	16n 2	0s 9	5n52	2n 8	34s30	11s14	17n15	17n32	25s43		n.a.

Julian Day Number = 1113737.5, Delta T = 10h49m35s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'26, Lahiri = -26°54'26 Julian Calendar 1 Apr. 1664 BCE == Greg. Calendar 18 March 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

MAY 1664 BCE (-1663) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 37 44	24♈59'40	0♎32	13♉45	13♓57	16♌49	3♊24	27°R17	13♉32	20°R16	12°R10	17°R 0	18♉ 1	17♐ 2	n.a.	S 1
S 2	13 41 41	25°56'46	13°16	15°27	15° 5	17° 6	3°35	27♏13	13°35	20♍15	12♑10	16♉58	17°58	17° 9	n.a.	S 2
M 3	13 45 37	26°53'51	25°46	17° 6	16°13	17°22	3°47	27°10	13°39	20°13	12° 9	16°55	17°55	17°16	n.a.	M 3
T 4	13 49 34	27°50'56	8♏ 4	18°43	17°21	17°39	3°59	27° 7	13°42	20°12	12° 9	16°54	17°52	17°22	n.a.	T 4
W 5	13 53 30	28°48'01	20°11	20°18	18°29	17°57	4°11	27° 3	13°46	20°11	12° 9	16°D54	17°49	17°29	n.a.	W 5
T 6	13 57 27	29°45'06	2♐ 9	21°50	19°37	18°16	4°23	26°59	13°49	20°10	12° 9	16°55	17°45	17°36	n.a.	T 6
F 7	14 1 24	0♉42'10	14° 1	23°19	20°46	18°34	4°35	26°56	13°53	20° 9	12° 9	16°56	17°42	17°42	n.a.	F 7
S 8	14 5 20	1°39'14	25°50	24°46	21°54	18°54	4°47	26°52	13°57	20° 7	12° 8	16°57	17°39	17°49	n.a.	S 8
S 9	14 9 17	2°36'18	7♑40	26°10	23° 3	19°13	4°59	26°48	14° 0	20° 6	12° 8	16°58	17°36	17°56	n.a.	S 9
M10	14 13 13	3°33'22	19°36	27°31	24°12	19°33	5°12	26°44	14° 4	20° 5	12° 8	16°59	17°33	18° 2	n.a.	M10
T 11	14 17 10	4°30'26	1♒42	28°50	25°20	19°54	5°24	26°40	14° 7	20° 4	12° 8	17°R 0	17°29	18° 9	n.a.	T 11
W12	14 21 6	5°27'30	14° 1	0♊ 6	26°29	20°15	5°36	26°36	14°11	20° 3	12° 7	17° 0	17°26	18°16	n.a.	W12
T 13	14 25 3	6°24'33	26°40	1°19	27°38	20°37	5°49	26°32	14°14	20° 2	12° 7	16°59	17°23	18°22	n.a.	T 13
F 14	14 29 0	7°21'38	9♓41	2°30	28°47	20°59	6° 1	26°28	14°18	20° 1	12° 6	16°58	17°20	18°29	n.a.	F 14
S 15	14 32 56	8°18'42	23° 6	3°37	29°57	21°21	6°13	26°24	14°22	20° 0	12° 6	16°57	17°17	18°36	n.a.	S 15
S 16	14 36 53	9°15'46	6♈57	4°41	1♈ 6	21°44	6°26	26°20	14°25	19°59	12° 6	16°56	17°14	18°42	n.a.	S 16
M17	14 40 49	10°12'50	21°12	5°43	2°15	22° 7	6°38	26°16	14°29	19°58	12° 5	16°55	17°10	18°49	n.a.	M17
T 18	14 44 46	11° 9'55	5♉47	6°41	3°25	22°31	6°51	26°12	14°32	19°58	12° 5	16°55	17° 7	18°56	n.a.	T 18
W19	14 48 42	12° 6'59	20°36	7°36	4°34	22°55	7° 4	26° 8	14°36	19°57	12° 4	16°D55	17° 4	19° 2	n.a.	W19
T 20	14 52 39	13° 4'04	5♊31	8°27	5°44	23°19	7°16	26° 3	14°40	19°56	12° 4	16°55	17° 1	19° 9	n.a.	T 20
F 21	14 56 35	14° 1'09	20°26	9°15	6°53	23°44	7°29	25°59	14°43	19°55	12° 3	16°55	16°58	19°16	n.a.	F 21
S 22	15 0 32	14°58'14	5♋12	10° 0	8° 3	24° 9	7°42	25°55	14°47	19°54	12° 2	16°55	16°55	19°22	n.a.	S 22
S 23	15 4 29	15°55'18	19°44	10°40	9°13	24°35	7°55	25°51	14°50	19°54	12° 2	16°56	16°51	19°29	n.a.	S 23
M24	15 8 25	16°52'23	3♌57	11°17	10°23	25° 1	8° 7	25°46	14°54	19°53	12° 1	16°R56	16°48	19°36	n.a.	M24
T 25	15 12 22	17°49'27	17°50	11°50	11°33	25°27	8°20	25°42	14°58	19°52	12° 1	16°D56	16°45	19°42	n.a.	T 25
W26	15 16 18	18°46'31	1♍22	12°19	12°43	25°54	8°33	25°38	15° 1	19°51	12° 0	16°56	16°42	19°49	n.a.	W26
T 27	15 20 15	19°43'36	14°35	12°43	13°53	26°21	8°46	25°33	15° 5	19°51	11°59	16°56	16°39	19°56	n.a.	T 27
F 28	15 24 11	20°40'40	27°29	13° 3	15° 3	26°48	8°59	25°29	15° 8	19°50	11°59	16°56	16°35	20° 2	n.a.	F 28
S 29	15 28 8	21°37'44	10♎ 8	13°19	16°13	27°16	9°12	25°24	15°12	19°50	11°58	16°57	16°32	20° 9	n.a.	S 29
S 30	15 32 5	22°34'49	22°33	13°29	17°24	27°44	9°25	25°20	15°16	19°49	11°57	16°57	16°29	20°16	n.a.	S 30
M31	15 36 1	23♉31'54	4♏47	13♊35	18♈34	28♌12	9♊38	25♏15	15♉19	19♍49	11♑56	16♉57	16♉26	20♐23	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n51	3n15	3n48	18n21	2n12	8s 8	1s51	17n33	1n33	21n23	0n 9	18s39	1n19	16n 4	0s 9	5n52	2n 7	34s30	11s14	17n14	17n31	25s44		n.a.
S 2	10 12	2s39	2 55	18 54	2 13	7 43	1 53	17 26	1 30	21 25	0 9	18 38	1 19	16 5	0 9	5 53	2 7	34 31	11 15	17 13	17 30	25 46		n.a.
M 3	10 33	8 22	1 54	19 24	2 14	7 17	1 54	17 18	1 28	21 28	0 9	18 37	1 19	16 6	0 9	5 53	2 7	34 31	11 15	17 12	17 29	25 47		n.a.
T 4	10 54	13 42	0 49	19 52	2 14	6 51	1 55	17 11	1 25	21 30	0 10	18 36	1 19	16 7	0 9	5 54	2 7	34 31	11 15	17 12	17 29	25 48		n.a.
W 5	11 15	18 25	0s18	20 18	2 14	6 25	1 56	17 3	1 23	21 32	0 10	18 36	1 19	16 8	0 9	5 54	2 7	34 32	11 16	17 12	17 28	25 50		n.a.
T 6	11 36	22 20	1 23	20 41	2 12	5 59	1 57	16 55	1 20	21 35	0 10	18 35	1 19	16 9	0 9	5 55	2 7	34 32	11 16	17 12	17 27	25 51		n.a.
F 7	11 56	25 18	2 24	21 3	2 10	5 32	1 58	16 47	1 18	21 37	0 10	18 34	1 19	16 10	0 9	5 55	2 7	34 32	11 16	17 13	17 26	25 53		n.a.
S 8	12 16	27 8	3 19	21 22	2 8	5 5	1 59	16 38	1 16	21 39	0 10	18 33	1 19	16 11	0 9	5 56	2 7	34 33	11 16	17 13	17 25	25 54		n.a.
S 9	12 36	27 45	4 5	21 40	2 4	4 38	2 0	16 30	1 13	21 42	0 10	18 32	1 19	16 12	0 9	5 56	2 7	34 33	11 17	17 13	17 24	25 55		n.a.
M10	12 56	27 4	4 41	21 55	2 0	4 11	2 1	16 21	1 11	21 44	0 10	18 31	1 19	16 13	0 9	5 56	2 7	34 33	11 17	17 14	17 23	25 57		n.a.
T 11	13 16	25 7	5 6	22 9	1 55	3 44	2 1	16 12	1 9	21 46	0 10	18 30	1 19	16 14	0 9	5 57	2 7	34 34	11 17	17 14	17 22	25 58		n.a.
W12	13 35	21 58	5 16	22 21	1 50	3 17	2 2	16 4	1 7	21 49	0 10	18 29	1 19	16 15	0 9	5 57	2 7	34 34	11 18	17 14	17 21	26 0		n.a.
T 13	13 55	17 44	5 12	22 30	1 44	2 49	2 2	15 54	1 4	21 51	0 10	18 29	1 19	16 17	0 9	5 57	2 7	34 34	11 18	17 13	17 20	26 1		n.a.
F 14	14 14	12 35	4 52	22 38	1 37	2 21	2 2	15 45	1 2	21 53	0 11	18 28	1 18	16 18	0 9	5 58	2 7	34 35	11 18	17 13	17 19	26 2		n.a.
S 15	14 32	6 41	4 16	22 45	1 30	1 53	2 2	15 36	1 0	21 56	0 11	18 27	1 18	16 19	0 9	5 58	2 7	34 35	11 19	17 13	17 19	26 4		n.a.
S 16	14 51	0 18	3 24	22 49	1 22	1 25	2 3	15 26	0 58	21 58	0 11	18 26	1 18	16 20	0 9	5 58	2 7	34 35	11 19	17 13	17 18	26 5		n.a.
M17	15 9	6n18	2 18	22 52	1 13	0 57	2 3	15 17	0 56	22 0	0 11	18 25	1 18	16 21	0 9	5 59	2 7	34 36	11 19	17 12	17 17	26 6		n.a.
T 18	15 28	12 44	1 1	22 53	1 4	0 29	2 2	15 7	0 54	22 2	0 11	18 24	1 18	16 22	0 9	5 59	2 7	34 36	11 20	17 12	17 16	26 8		n.a.
W19	15 46	18 34	0n20	22 53	0 54	0 1	2 2	14 57	0 52	22 5	0 11	18 23	1 18	16 23	0 9	5 59	2 7	34 37	11 20	17 12	17 15	26 9		n.a.
T 20	16 3	23 18	1 41	22 51	0 44	0n27	2 2	14 47	0 50	22 7	0 11	18 22	1 18	16 24	0 9	6 0	2 7	34 37	11 20	17 12	17 14	26 10		n.a.
F 21	16 21	26 27	2 56	22 48	0 33	0 56	2 2	14 36	0 48	22 9	0 11	18 21	1 18	16 25	0 9	6 0	2 7	34 37	11 21	17 12	17 13	26 12		n.a.
S 22	16 38	27 44	3 57	22 43	0 22	1 24	2 1	14 26	0 46	22 11	0 11	18 20	1 18	16 26	0 9	6 0	2 6	34 38	11 21	17 12	17 12	26 13		n.a.
S 23	16 55	27 4	4 42	22 37	0 9	1 53	2 1	14 15	0 44	22 14	0 11	18 19	1 18	16 27	0 9	6 0	2 6	34 38	11 21	17 12	17 11	26 14		n.a.
M24	17 12	24 38	5 9	22 30	0s 3	2 21	2 0	14 5	0 42	22 16	0 11	18 18	1 18	16 29	0 8	6 1	2 6	34 38	11 21	17 12	17 10	26 15		n.a.
T 25	17 28	20 48	5 17	22 22	0 16	2 49	1 59	13 54	0 40	22 18	0 12	18 17	1 18	16 30	0 8	6 1	2 6	34 39	11 22	17 12	17 9	26 17		n.a.
W26	17 44	15 57	5 7	22 12	0 30	3 18	1 59	13 43	0 38	22 20	0 12	18 16	1 18	16 31	0 8	6 1	2 6	34 39	11 22	17 12	17 8	26 18		n.a.
T 27	18 0	10 29	4 41	22 2	0 44	3 46	1 58	13 32	0 36	22 22	0 12	18 15	1 18	16 32	0 8	6 1	2 6	34 39	11 22	17 13	17 8	26 19		n.a.
F 28	18 15	4 42	4 1	21 50	0 58	4 15	1 57	13 21	0 34	22 24	0 12	18 14	1 18	16 33	0 8	6 1	2 6	34 40	11 23	17 13	17 7	26 20		n.a.
S 29	18 31	1s11	3 10	21 38	1 12	4 43	1 56	13 9	0 32	22 27	0 12	18 13	1 18	16 34	0 8	6 2	2 6	34 40	11 23	17 13	17 6	26 22		n.a.
S 30	18 46	6 55	2 11	21 24	1 27	5 12	1 55	12 58	0 30	22 29	0 12	18 12	1 18	16 35	0 8	6 2	2 6	34 40	11 23	17 13	17 5	26 23		n.a.
M31	19n 0	12s19	1n 7	21n10	1s42	5n40	1s54	12n46	0n29	22n31	0n12	18s11	1n18	16n36	0s 8	6n 2	2n 6	34s41	11s23	17n13	17n 4	26s24		n.a.

Julian Day Number = 1113767.5, Delta T = 10h49m34s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'22, Lahiri = -26°54'21 Julian Calendar 1 May 1664 BCE == Greg. Calendar 17 Apr. 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

JUNE 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 39 58	24♉28'59	16♏52	13°R37	19♈44	28♌41	9♊51	25°R11	15♉23	19°R48	11°R56	16°R58	16♉23	20♐29	n.a.	T 1
W 2	15 43 54	25°26'05	28°50	13♊33	20°55	29°10	10° 4	25♏ 7	15°26	19♍48	11♑55	16♉57	16°20	20°36	n.a.	W 2
T 3	15 47 51	26°23'12	10♐43	13°25	22° 5	29°39	10°17	25° 2	15°30	19°47	11°54	16°57	16°16	20°43	n.a.	T 3
F 4	15 51 47	27°20'19	22°33	13°12	23°16	0♍ 8	10°30	24°58	15°34	19°47	11°53	16°56	16°13	20°49	n.a.	F 4
S 5	15 55 44	28°17'27	4♑22	12°54	24°27	0°38	10°43	24°53	15°37	19°47	11°52	16°54	16°10	20°56	n.a.	S 5
S 6	15 59 40	29°14'35	16°14	12°32	25°38	1° 8	10°56	24°49	15°41	19°46	11°51	16°52	16° 7	21° 3	n.a.	S 6
M 7	16 3 37	0♊11'45	28°11	12° 6	26°49	1°38	11° 9	24°45	15°44	19°46	11°50	16°51	16° 4	21° 9	n.a.	M 7
T 8	16 7 34	1° 8'55	10♒17	11°36	27°59	2° 9	11°23	24°40	15°48	19°46	11°50	16°49	16° 0	21°16	n.a.	T 8
W 9	16 11 30	2° 6'07	22°35	11° 2	29°10	2°40	11°36	24°36	15°51	19°45	11°49	16°48	15°57	21°23	n.a.	W 9
T 10	16 15 27	3° 3'19	5♓11	10°25	0♉22	3°11	11°49	24°31	15°55	19°45	11°48	16°D48	15°54	21°29	n.a.	T 10
F 11	16 19 23	4° 0'32	18° 7	9°46	1°33	3°42	12° 2	24°27	15°58	19°45	11°47	16°49	15°51	21°36	n.a.	F 11
S 12	16 23 20	4°57'47	1♈27	9° 4	2°44	4°14	12°15	24°23	16° 2	19°45	11°46	16°50	15°48	21°43	n.a.	S 12
S 13	16 27 16	5°55'03	15°13	8°22	3°55	4°46	12°29	24°18	16° 5	19°45	11°45	16°51	15°45	21°49	n.a.	S 13
M14	16 31 13	6°52'19	29°26	7°39	5° 6	5°18	12°42	24°14	16° 9	19°45	11°44	16°52	15°41	21°56	n.a.	M14
T 15	16 35 10	7°49'37	14♉ 3	6°56	6°18	5°50	12°55	24°10	16°12	19°45	11°43	16°R53	15°38	22° 3	n.a.	T 15
W16	16 39 6	8°46'57	29° 0	6°15	7°29	6°23	13° 8	24° 6	16°15	19°D45	11°42	16°52	15°35	22° 9	n.a.	W16
T 17	16 43 3	9°44'17	14♊ 8	5°35	8°41	6°56	13°22	24° 1	16°19	19°45	11°41	16°51	15°32	22°16	n.a.	T 17
F 18	16 46 59	10°41'38	29°20	4°57	9°52	7°29	13°35	23°57	16°22	19°45	11°40	16°49	15°29	22°23	n.a.	F 18
S 19	16 50 56	11°39'00	14♋24	4°23	11° 4	8° 3	13°48	23°53	16°26	19°45	11°39	16°45	15°26	22°29	n.a.	S 19
S 20	16 54 52	12°36'24	29°13	3°53	12°16	8°36	14° 2	23°49	16°29	19°45	11°37	16°42	15°22	22°36	n.a.	S 20
M21	16 58 49	13°33'48	13♌40	3°28	13°28	9°10	14°15	23°45	16°32	19°45	11°36	16°39	15°19	22°43	n.a.	M21
T 22	17 2 45	14°31'12	27°41	3° 7	14°39	9°44	14°28	23°41	16°36	19°45	11°35	16°37	15°16	22°49	n.a.	T 22
W23	17 6 42	15°28'38	11♍15	2°52	15°51	10°18	14°41	23°37	16°39	19°45	11°34	16°D36	15°13	22°56	n.a.	W23
T 24	17 10 39	16°26'05	24°24	2°43	17° 3	10°53	14°55	23°33	16°42	19°46	11°33	16°36	15°10	23° 3	n.a.	T 24
F 25	17 14 35	17°23'32	7♎10	2°D40	18°15	11°27	15° 8	23°29	16°45	19°46	11°32	16°37	15° 6	23° 9	n.a.	F 25
S 26	17 18 32	18°21'00	19°39	2°44	19°27	12° 2	15°21	23°25	16°49	19°46	11°31	16°39	15° 3	23°16	n.a.	S 26
S 27	17 22 28	19°18'30	1♏52	2°55	20°39	12°37	15°34	23°22	16°52	19°47	11°29	16°40	15° 0	23°23	n.a.	S 27
M28	17 26 25	20°16'01	13°55	3°12	21°51	13°13	15°48	23°18	16°55	19°47	11°28	16°R41	14°57	23°29	n.a.	M28
T 29	17 30 21	21°13'33	25°51	3°36	23° 4	13°48	16° 1	23°14	16°58	19°47	11°27	16°41	14°54	23°36	n.a.	T 29
W30	17 34 18	22♊11'06	7♐42	4♊ 7	24♉16	14♍24	16♊14	23♏11	17♉ 1	19♍48	11♑26	16♉39	14♉51	23♐43	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n15	17s11	0n 0	20n55	1s57	6n 8	1s52	12n34	0n27	22n33	0n12	18s10	1n17	16n37	0s 8	6n 2	2n 6	34s41	11s24	17n13	17n 3	26s25		n.a.
W 2	19 29	21 20	1s 5	20 40	2 12	6 36	1 51	12 22	0 25	22 35	0 12	18 9	1 17	16 38	0 8	6 2	2 6	34 41	11 24	17 13	17 2	26 27		n.a.
T 3	19 43	24 35	2 8	20 24	2 27	7 4	1 50	12 10	0 23	22 37	0 12	18 8	1 17	16 39	0 8	6 2	2 6	34 42	11 24	17 13	17 1	26 28		n.a.
F 4	19 56	26 45	3 5	20 8	2 42	7 32	1 48	11 58	0 22	22 39	0 13	18 7	1 17	16 40	0 8	6 2	2 6	34 42	11 24	17 12	17 0	26 29		n.a.
S 5	20 9	27 42	3 53	19 51	2 57	8 0	1 47	11 46	0 20	22 41	0 13	18 6	1 17	16 41	0 8	6 3	2 6	34 42	11 25	17 12	16 59	26 30		n.a.
S 6	20 22	27 23	4 32	19 35	3 11	8 28	1 45	11 33	0 18	22 43	0 13	18 5	1 17	16 43	0 8	6 3	2 6	34 43	11 25	17 12	16 58	26 32		n.a.
M 7	20 34	25 48	5 0	19 18	3 24	8 55	1 43	11 21	0 16	22 45	0 13	18 4	1 17	16 44	0 8	6 3	2 6	34 43	11 25	17 11	16 57	26 33		n.a.
T 8	20 47	23 1	5 14	19 2	3 36	9 23	1 42	11 8	0 15	22 47	0 13	18 3	1 17	16 45	0 8	6 3	2 5	34 43	11 25	17 11	16 56	26 34		n.a.
W 9	20 58	19 11	5 14	18 45	3 48	9 50	1 40	10 55	0 13	22 49	0 13	18 2	1 17	16 46	0 8	6 3	2 5	34 44	11 26	17 10	16 55	26 35		n.a.
T 10	21 10	14 25	5 0	18 30	3 59	10 17	1 38	10 42	0 12	22 51	0 13	18 1	1 17	16 47	0 8	6 3	2 5	34 44	11 26	17 10	16 55	26 36		n.a.
F 11	21 21	8 55	4 30	18 15	4 8	10 44	1 36	10 29	0 10	22 53	0 13	18 0	1 17	16 48	0 8	6 3	2 5	34 44	11 26	17 10	16 54	26 37		n.a.
S 12	21 32	2 51	3 45	18 1	4 16	11 10	1 34	10 16	0 8	22 55	0 13	17 59	1 16	16 49	0 8	6 3	2 5	34 45	11 26	17 11	16 53	26 39		n.a.
S 13	21 42	3n34	2 46	17 48	4 22	11 37	1 32	10 3	0 7	22 56	0 13	17 58	1 16	16 50	0 8	6 3	2 5	34 45	11 27	17 11	16 52	26 40		n.a.
M14	21 52	10 0	1 35	17 36	4 27	12 3	1 30	9 49	0 5	22 58	0 14	17 57	1 16	16 51	0 8	6 3	2 5	34 45	11 27	17 11	16 51	26 41		n.a.
T 15	22 2	16 6	0 16	17 26	4 31	12 29	1 28	9 36	0 4	23 0	0 14	17 56	1 16	16 52	0 8	6 3	2 5	34 46	11 27	17 12	16 50	26 42		n.a.
W16	22 11	21 23	1n 6	17 17	4 32	12 55	1 26	9 22	0 2	23 2	0 14	17 55	1 16	16 53	0 8	6 3	2 5	34 46	11 27	17 12	16 49	26 43		n.a.
T 17	22 20	25 19	2 25	17 11	4 32	13 20	1 24	9 8	0 1	23 4	0 14	17 54	1 16	16 54	0 8	6 3	2 5	34 46	11 27	17 11	16 48	26 44		n.a.
F 18	22 28	27 26	3 33	17 6	4 30	13 45	1 22	8 55	0s 1	23 5	0 14	17 54	1 16	16 55	0 8	6 2	2 5	34 47	11 28	17 10	16 47	26 45		n.a.
S 19	22 36	27 29	4 25	17 3	4 27	14 10	1 20	8 41	0 2	23 7	0 14	17 53	1 16	16 56	0 8	6 2	2 5	34 47	11 28	17 9	16 46	26 46		n.a.
S 20	22 44	25 34	4 59	17 2	4 22	14 35	1 17	8 26	0 4	23 9	0 14	17 52	1 15	16 57	0 8	6 2	2 5	34 47	11 28	17 9	16 45	26 48		n.a.
M21	22 51	22 1	5 13	17 4	4 15	14 59	1 15	8 12	0 5	23 11	0 14	17 51	1 15	16 58	0 8	6 2	2 5	34 48	11 28	17 8	16 44	26 49		n.a.
T 22	22 58	17 18	5 8	17 8	4 7	15 23	1 12	7 58	0 7	23 12	0 14	17 50	1 15	16 59	0 8	6 2	2 5	34 48	11 28	17 7	16 43	26 50		n.a.
W23	23 5	11 52	4 45	17 14	3 58	15 47	1 10	7 43	0 8	23 14	0 15	17 49	1 15	17 0	0 8	6 2	2 4	34 48	11 29	17 7	16 42	26 51		n.a.
T 24	23 11	6 3	4 8	17 23	3 47	16 10	1 8	7 29	0 9	23 16	0 15	17 48	1 15	17 1	0 8	6 2	2 4	34 48	11 29	17 7	16 41	26 52		n.a.
F 25	23 17	0 9	3 20	17 34	3 36	16 33	1 5	7 14	0 11	23 17	0 15	17 47	1 15	17 2	0 8	6 2	2 4	34 49	11 29	17 7	16 40	26 53		n.a.
S 26	23 22	5s38	2 23	17 47	3 23	16 55	1 3	6 59	0 12	23 19	0 15	17 47	1 15	17 3	0 8	6 1	2 4	34 49	11 29	17 8	16 39	26 54		n.a.
S 27	23 27	11 6	1 20	18 2	3 10	17 17	1 0	6 45	0 13	23 20	0 15	17 46	1 15	17 3	0 8	6 1	2 4	34 49	11 29	17 8	16 38	26 55		n.a.
M28	23 31	16 4	0 15	18 19	2 56	17 39	0 57	6 30	0 15	23 22	0 15	17 45	1 14	17 4	0 8	6 1	2 4	34 50	11 29	17 8	16 38	26 56		n.a.
T 29	23 36	20 23	0s50	18 37	2 42	18 0	0 55	6 15	0 16	23 23	0 15	17 44	1 14	17 5	0 8	6 1	2 4	34 50	11 30	17 8	16 37	26 57		n.a.
W30	23n39	23s51	1s52	18n58	2s27	18n21	0s52	5n59	0s17	23n25	0n15	17s43	1n14	17n 6	0s 8	6n 0	2n 4	34s50	11s30	17n 8	16n36	26s58		n.a.

Julian Day Number = 1113798.5, Delta T = 10h49m32s
Ecliptic obliquity = 23°53'25, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'18, Lahiri = -26°54'17 Julian Calendar 1 June 1664 BCE == Greg. Calendar 18 May 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

JULY 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 38 15	23♊ 8'40	19♐32	4♊44	25♉28	14♍59	16♊27	23°R 7	17♉ 4	19♍48	11°R25	16°R35	14♉47	23♐49	n.a.	T 1
F 2	17 42 11	24° 6'16	1♑21	5°29	26°41	15°36	16°41	23♏ 4	17° 7	19°49	11♑23	16♉30	14°44	23°56	n.a.	F 2
S 3	17 46 8	25° 3'54	13°13	6°20	27°53	16°12	16°54	23° 0	17°10	19°49	11°22	16°23	14°41	24° 3	n.a.	S 3
S 4	17 50 4	26° 1'33	25°10	7°18	29° 6	16°48	17° 7	22°57	17°13	19°50	11°21	16°16	14°38	24° 9	n.a.	S 4
M 5	17 54 1	26°59'14	7♒12	8°22	0♊18	17°25	17°20	22°54	17°16	19°50	11°20	16° 9	14°35	24°16	n.a.	M 5
T 6	17 57 57	27°56'56	19°22	9°32	1°31	18° 1	17°33	22°50	17°19	19°51	11°18	16° 2	14°32	24°23	n.a.	T 6
W 7	18 1 54	28°54'40	1♓44	10°48	2°44	18°38	17°47	22°47	17°22	19°52	11°17	15°58	14°28	24°29	n.a.	W 7
T 8	18 5 50	29°52'26	14°19	12° 9	3°56	19°15	18° 0	22°44	17°25	19°52	11°16	15°54	14°25	24°36	n.a.	T 8
F 9	18 9 47	0♋50'14	27°12	13°36	5° 9	19°53	18°13	22°41	17°28	19°53	11°15	15°D53	14°22	24°43	n.a.	F 9
S 10	18 13 44	1°48'03	10♈26	15° 8	6°22	20°30	18°26	22°38	17°31	19°54	11°13	15°53	14°19	24°50	n.a.	S 10
S 11	18 17 40	2°45'55	24° 3	16°44	7°35	21° 8	18°39	22°35	17°34	19°55	11°12	15°54	14°16	24°56	n.a.	S 11
M12	18 21 37	3°43'49	8♉ 5	18°24	8°48	21°45	18°52	22°33	17°36	19°55	11°11	15°55	14°12	25° 3	n.a.	M12
T 13	18 25 33	4°41'44	22°32	20° 8	10° 1	22°23	19° 5	22°30	17°39	19°56	11° 9	15°R56	14° 9	25°10	n.a.	T 13
W14	18 29 30	5°39'42	7♊22	21°54	11°14	23° 1	19°18	22°27	17°42	19°57	11° 8	15°54	14° 6	25°16	n.a.	W14
T 15	18 33 26	6°37'42	22°28	23°44	12°27	23°40	19°31	22°25	17°45	19°58	11° 7	15°50	14° 3	25°23	n.a.	T 15
F 16	18 37 23	7°35'43	7♋43	25°36	13°40	24°18	19°44	22°22	17°47	19°59	11° 6	15°44	14° 0	25°30	n.a.	F 16
S 17	18 41 19	8°33'47	22°54	27°30	14°54	24°57	19°57	22°20	17°50	20° 0	11° 4	15°36	13°57	25°36	n.a.	S 17
S 18	18 45 16	9°31'52	7♌53	29°25	16° 7	25°35	20°10	22°18	17°52	20° 1	11° 3	15°28	13°53	25°43	n.a.	S 18
M19	18 49 13	10°29'58	22°30	1♋21	17°20	26°14	20°23	22°15	17°55	20° 2	11° 2	15°20	13°50	25°50	n.a.	M19
T 20	18 53 9	11°28'06	6♍40	3°18	18°34	26°53	20°36	22°13	17°57	20° 3	11° 0	15°14	13°47	25°56	n.a.	T 20
W21	18 57 6	12°26'16	20°21	5°16	19°47	27°32	20°48	22°11	18° 0	20° 4	10°59	15°10	13°44	26° 3	n.a.	W21
T 22	19 1 2	13°24'28	3♎33	7°13	21° 1	28°12	21° 1	22° 9	18° 2	20° 5	10°58	15° 7	13°41	26°10	n.a.	T 22
F 23	19 4 59	14°22'41	16°19	9°11	22°14	28°51	21°14	22° 7	18° 5	20° 6	10°57	15°D 7	13°38	26°16	n.a.	F 23
S 24	19 8 55	15°20'55	28°44	11° 8	23°28	29°31	21°27	22° 5	18° 7	20° 8	10°55	15° 7	13°34	26°23	n.a.	S 24
S 25	19 12 52	16°19'12	10♏53	13° 5	24°42	0♎11	21°39	22° 4	18° 9	20° 9	10°54	15°R 8	13°31	26°30	n.a.	S 25
M26	19 16 48	17°17'30	22°51	15° 1	25°55	0°50	21°52	22° 2	18°11	20°10	10°53	15° 8	13°28	26°36	n.a.	M26
T 27	19 20 45	18°15'50	4♐42	16°57	27° 9	1°30	22° 4	22° 1	18°14	20°11	10°51	15° 6	13°25	26°43	n.a.	T 27
W28	19 24 42	19°14'11	16°31	18°51	28°23	2°11	22°17	21°59	18°16	20°13	10°50	15° 2	13°22	26°50	n.a.	W28
T 29	19 28 38	20°12'35	28°20	20°45	29°37	2°51	22°29	21°58	18°18	20°14	10°49	14°54	13°18	26°56	n.a.	T 29
F 30	19 32 35	21°11'01	10♑13	22°38	0♋51	3°31	22°42	21°57	18°20	20°15	10°48	14°45	13°15	27° 3	n.a.	F 30
S 31	19 36 31	22♋ 9'28	22♑11	24♋30	2♋ 5	4♎12	22♊54	21♏56	18♉22	20♍17	10♑46	14♉33	13♉12	27♐10	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n42	26s17	2s49	19n20	2s12	18n41	0s50	5n44	0s19	23n26	0n15	17s43	1n14	17n 7	0s 8	6n 0	2n 4	34s50	11s30	17n 6	16n35	26s59		n.a.
F 2	23 45	27 32	3 39	19 43	1 56	19 1	0 47	5 29	0 20	23 28	0 15	17 42	1 14	17 8	0 8	6 0	2 4	34 51	11 30	17 5	16 34	27 0		n.a.
S 3	23 48	27 31	4 19	20 7	1 41	19 21	0 44	5 13	0 21	23 29	0 16	17 41	1 14	17 9	0 8	6 0	2 4	34 51	11 30	17 3	16 33	27 1		n.a.
S 4	23 50	26 14	4 49	20 32	1 25	19 39	0 42	4 58	0 22	23 31	0 16	17 40	1 13	17 10	0 8	5 59	2 4	34 51	11 30	17 1	16 32	27 2		n.a.
M 5	23 51	23 44	5 5	20 58	1 10	19 58	0 39	4 42	0 24	23 32	0 16	17 40	1 13	17 11	0 8	5 59	2 4	34 51	11 30	16 59	16 31	27 3		n.a.
T 6	23 52	20 9	5 9	21 23	0 55	20 16	0 36	4 26	0 25	23 34	0 16	17 39	1 13	17 11	0 8	5 59	2 4	34 52	11 31	16 57	16 30	27 4		n.a.
W 7	23 53	15 40	4 58	21 49	0 40	20 33	0 33	4 11	0 26	23 35	0 16	17 38	1 13	17 12	0 8	5 58	2 4	34 52	11 31	16 56	16 29	27 5		n.a.
T 8	23 53	10 27	4 32	22 15	0 26	20 50	0 31	3 55	0 27	23 36	0 16	17 38	1 13	17 13	0 8	5 58	2 3	34 52	11 31	16 55	16 28	27 6		n.a.
F 9	23 53	4 41	3 53	22 40	0 12	21 6	0 28	3 39	0 28	23 38	0 16	17 37	1 13	17 14	0 8	5 58	2 3	34 52	11 31	16 54	16 27	27 7		n.a.
S 10	23 53	1n27	3 0	23 4	0n 1	21 22	0 25	3 23	0 30	23 39	0 16	17 37	1 13	17 15	0 8	5 57	2 3	34 52	11 31	16 54	16 26	27 8		n.a.
S 11	23 52	7 43	1 55	23 26	0 14	21 37	0 23	3 7	0 31	23 40	0 16	17 36	1 12	17 16	0 8	5 57	2 3	34 53	11 31	16 55	16 25	27 9		n.a.
M12	23 50	13 48	0 42	23 48	0 26	21 52	0 20	2 51	0 32	23 41	0 17	17 35	1 12	17 16	0 8	5 57	2 3	34 53	11 31	16 55	16 24	27 10		n.a.
T 13	23 48	19 19	0n36	24 8	0 37	22 5	0 17	2 34	0 33	23 43	0 17	17 35	1 12	17 17	0 8	5 56	2 3	34 53	11 31	16 55	16 23	27 11		n.a.
W14	23 46	23 48	1 53	24 25	0 47	22 19	0 14	2 18	0 34	23 44	0 17	17 34	1 12	17 18	0 8	5 56	2 3	34 53	11 31	16 54	16 22	27 12		n.a.
T 15	23 43	26 44	3 4	24 41	0 57	22 31	0 12	2 2	0 35	23 45	0 17	17 34	1 12	17 19	0 8	5 55	2 3	34 53	11 31	16 53	16 21	27 13		n.a.
F 16	23 40	27 41	4 2	24 55	1 6	22 44	0 9	1 45	0 36	23 46	0 17	17 33	1 12	17 19	0 8	5 55	2 3	34 54	11 31	16 51	16 20	27 13		n.a.
S 17	23 36	26 32	4 42	25 5	1 14	22 55	0 6	1 29	0 37	23 47	0 17	17 33	1 11	17 20	0 8	5 55	2 3	34 54	11 32	16 49	16 19	27 14		n.a.
S 18	23 32	23 31	5 3	25 14	1 21	23 6	0 3	1 12	0 38	23 48	0 17	17 33	1 11	17 21	0 8	5 54	2 3	34 54	11 32	16 47	16 18	27 15		n.a.
M19	23 28	19 2	5 4	25 20	1 27	23 16	0 1	0 55	0 39	23 49	0 17	17 32	1 11	17 22	0 8	5 54	2 3	34 54	11 32	16 45	16 17	27 16		n.a.
T 20	23 23	13 37	4 45	25 23	1 32	23 25	0n 2	0 39	0 40	23 50	0 18	17 32	1 11	17 22	0 8	5 53	2 3	34 54	11 32	16 43	16 16	27 17		n.a.
W21	23 18	7 43	4 11	25 24	1 37	23 34	0 5	0 22	0 41	23 52	0 18	17 31	1 11	17 23	0 8	5 53	2 3	34 55	11 32	16 41	16 15	27 18		n.a.
T 22	23 12	1 40	3 24	25 22	1 40	23 42	0 7	0 5	0 42	23 53	0 18	17 31	1 10	17 24	0 8	5 52	2 3	34 55	11 32	16 41	16 15	27 19		n.a.
F 23	23 6	4s16	2 28	25 17	1 43	23 49	0 10	0s12	0 43	23 54	0 18	17 31	1 10	17 24	0 8	5 52	2 3	34 55	11 32	16 41	16 14	27 20		n.a.
S 24	22 59	9 53	1 27	25 10	1 46	23 56	0 13	0 29	0 44	23 54	0 18	17 30	1 10	17 25	0 8	5 51	2 2	34 55	11 32	16 41	16 13	27 20		n.a.
S 25	22 52	15 1	0 23	25 1	1 47	24 2	0 15	0 46	0 45	23 55	0 18	17 30	1 10	17 26	0 8	5 51	2 2	34 55	11 32	16 41	16 12	27 21		n.a.
M26	22 45	19 30	0s41	24 49	1 48	24 7	0 18	1 3	0 46	23 56	0 18	17 30	1 10	17 26	0 8	5 50	2 2	34 55	11 32	16 41	16 11	27 22		n.a.
T 27	22 37	23 9	1 42	24 35	1 48	24 12	0 20	1 20	0 47	23 57	0 18	17 30	1 10	17 27	0 8	5 49	2 2	34 55	11 32	16 40	16 10	27 23		n.a.
W28	22 29	25 50	2 39	24 19	1 48	24 16	0 23	1 37	0 48	23 58	0 19	17 29	1 9	17 28	0 8	5 49	2 2	34 56	11 32	16 39	16 9	27 24		n.a.
T 29	22 20	27 21	3 29	24 1	1 47	24 19	0 25	1 54	0 49	23 59	0 19	17 29	1 9	17 28	0 8	5 48	2 2	34 56	11 32	16 37	16 8	27 25		n.a.
F 30	22 11	27 38	4 9	23 41	1 46	24 21	0 28	2 11	0 50	24 0	0 19	17 29	1 9	17 29	0 8	5 48	2 2	34 56	11 32	16 34	16 7	27 25		n.a.
S 31	22n 2	26s37	4s39	23n19	1n44	24n22	0n30	2s28	0s51	24n 1	0n19	17s29	1n 9	17n29	0s 8	5n47	2n 2	34s56	11s32	16n30	16n 6	27s26		n.a.

Julian Day Number = 1113828.5, Delta T = 10h49m30s
Ecliptic obliquity = 23°53'25, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'14, Lahiri = -26°54'13 Julian Calendar 1 July 1664 BCE == Greg. Calendar 17 June 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

AUGUST 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 40 28	23♋ 7'58	4♒16	26♋20	3♋19	4♎52	23♊ 7	21°R55	18♉24	20♍18	10°R45	14°R21	13♉ 9	27♐17	n.a.	S 1
M 2	19 44 24	24° 6'29	16°28	28°10	4°33	5°33	23°19	21♏54	18°26	20°19	10♑44	14♉ 8	13° 6	27°23	n.a.	M 2
T 3	19 48 21	25° 5'03	28°49	29°59	5°47	6°14	23°31	21°53	18°28	20°21	10°42	13°57	13° 3	27°30	n.a.	T 3
W 4	19 52 17	26° 3'39	11♓20	1♌46	7° 1	6°55	23°43	21°52	18°30	20°22	10°41	13°48	12°59	27°37	n.a.	W 4
T 5	19 56 14	27° 2'17	24° 3	3°33	8°15	7°36	23°55	21°51	18°32	20°24	10°40	13°41	12°56	27°43	n.a.	T 5
F 6	20 0 10	28° 0'58	6♈59	5°18	9°29	8°17	24° 7	21°51	18°33	20°25	10°39	13°37	12°53	27°50	n.a.	F 6
S 7	20 4 7	28°59'41	20°12	7° 3	10°44	8°59	24°19	21°50	18°35	20°27	10°38	13°35	12°50	27°57	n.a.	S 7
S 8	20 8 4	29°58'27	3♉42	8°46	11°58	9°40	24°31	21°50	18°37	20°28	10°36	13°D35	12°47	28° 3	n.a.	S 8
M 9	20 12 0	0♌57'15	17°33	10°29	13°12	10°22	24°43	21°50	18°38	20°30	10°35	13°R35	12°44	28°10	n.a.	M 9
T 10	20 15 57	1°56'05	1♊46	12°10	14°27	11° 3	24°55	21°50	18°40	20°32	10°34	13°34	12°40	28°17	n.a.	T 10
W11	20 19 53	2°54'58	16°19	13°50	15°41	11°45	25° 7	21°D49	18°42	20°33	10°33	13°31	12°37	28°23	n.a.	W11
T 12	20 23 50	3°53'54	1♋ 9	15°30	16°56	12°27	25°19	21°50	18°43	20°35	10°32	13°25	12°34	28°30	n.a.	T 12
F 13	20 27 46	4°52'51	16°10	17° 8	18°10	13° 9	25°30	21°50	18°45	20°37	10°30	13°17	12°31	28°37	n.a.	F 13
S 14	20 31 43	5°51'51	1♌13	18°46	19°25	13°51	25°42	21°50	18°46	20°38	10°29	13° 6	12°28	28°43	n.a.	S 14
S 15	20 35 39	6°50'54	16° 7	20°22	20°39	14°33	25°53	21°50	18°47	20°40	10°28	12°55	12°24	28°50	n.a.	S 15
M16	20 39 36	7°49'58	0♍44	21°58	21°54	15°16	26° 5	21°51	18°49	20°42	10°27	12°43	12°21	28°57	n.a.	M16
T 17	20 43 33	8°49'04	14°56	23°33	23° 9	15°58	26°16	21°51	18°50	20°44	10°26	12°34	12°18	29° 4	n.a.	T 17
W18	20 47 29	9°48'13	28°41	25° 7	24°23	16°41	26°27	21°52	18°51	20°45	10°25	12°27	12°15	29°10	n.a.	W18
T 19	20 51 26	10°47'23	11♎57	26°40	25°38	17°23	26°39	21°53	18°52	20°47	10°24	12°22	12°12	29°17	n.a.	T 19
F 20	20 55 22	11°46'35	24°47	28°12	26°53	18° 6	26°50	21°53	18°53	20°49	10°23	12°20	12° 9	29°24	n.a.	F 20
S 21	20 59 19	12°45'49	7♏14	29°43	28° 8	18°49	27° 1	21°54	18°54	20°51	10°21	12°19	12° 5	29°30	n.a.	S 21
S 22	21 3 15	13°45'05	19°23	1♍13	29°23	19°32	27°12	21°55	18°55	20°53	10°20	12°19	12° 2	29°37	n.a.	S 22
M23	21 7 12	14°44'23	1♐21	2°43	0♌38	20°15	27°23	21°56	18°56	20°55	10°19	12°19	11°59	29°44	n.a.	M23
T 24	21 11 8	15°43'43	13°11	4°11	1°53	20°58	27°33	21°58	18°57	20°57	10°18	12°16	11°56	29°50	n.a.	T 24
W25	21 15 5	16°43'05	25° 0	5°39	3° 7	21°41	27°44	21°59	18°58	20°59	10°17	12°11	11°53	29°57	n.a.	W25
T 26	21 19 1	17°42'30	6♑52	7° 6	4°22	22°25	27°55	22° 0	18°59	21° 0	10°16	12° 4	11°50	0♑ 4	n.a.	T 26
F 27	21 22 58	18°41'56	18°49	8°32	5°37	23° 8	28° 5	22° 2	18°59	21° 2	10°15	11°53	11°46	0°10	n.a.	F 27
S 28	21 26 55	19°41'24	0♒55	9°57	6°53	23°51	28°16	22° 4	19° 0	21° 4	10°14	11°41	11°43	0°17	n.a.	S 28
S 29	21 30 51	20°40'54	13°10	11°21	8° 8	24°35	28°26	22° 5	19° 1	21° 6	10°14	11°27	11°40	0°24	n.a.	S 29
M30	21 34 48	21°40'26	25°37	12°44	9°23	25°19	28°36	22° 7	19° 1	21° 8	10°13	11°13	11°37	0°30	n.a.	M30
T 31	21 38 44	22♌40'01	8♓14	14♍ 6	10♌38	26♎ 2	28♊47	22♏ 9	19♉ 2	21♍10	10♑12	11♉ 1	11♉34	0♑37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	21n52	24s21	4s57	22n56	1n41	24n23	0n32	2s46	0s52	24n 1	0n19	17s29	1n 9	17n30	0s 8	5n47	2n 2	34s56	11s32	16n27	16n 5	27s27			n.a.
M 2	21 42	20 58	5 1	22 31	1 38	24 23	0 35	3 3	0 53	24 2	0 19	17 29	1 8	17 31	0 8	5 46	2 2	34 56	11 32	16 23	16 4	27 28			n.a.
T 3	21 31	16 38	4 52	22 5	1 35	24 23	0 37	3 20	0 54	24 3	0 19	17 29	1 8	17 31	0 8	5 45	2 2	34 56	11 32	16 19	16 3	27 28			n.a.
W 4	21 20	11 33	4 28	21 37	1 31	24 21	0 39	3 38	0 54	24 4	0 19	17 29	1 8	17 32	0 8	5 45	2 2	34 56	11 32	16 17	16 2	27 29			n.a.
T 5	21 9	5 55	3 51	21 8	1 27	24 19	0 42	3 55	0 55	24 4	0 20	17 29	1 8	17 32	0 8	5 44	2 2	34 56	11 32	16 15	16 1	27 30			n.a.
F 6	20 57	0n 4	3 1	20 38	1 23	24 16	0 44	4 12	0 56	24 5	0 20	17 29	1 8	17 33	0 8	5 43	2 2	34 56	11 32	16 13	16 0	27 31			n.a.
S 7	20 45	6 11	2 1	20 7	1 18	24 13	0 46	4 29	0 57	24 6	0 20	17 29	1 8	17 33	0 8	5 43	2 2	34 56	11 32	16 13	15 59	27 31			n.a.
S 8	20 32	12 10	0 52	19 35	1 13	24 8	0 48	4 47	0 58	24 6	0 20	17 29	1 7	17 34	0 8	5 42	2 2	34 57	11 32	16 13	15 58	27 32			n.a.
M 9	20 19	17 43	0n21	19 2	1 8	24 3	0 50	5 4	0 58	24 7	0 20	17 29	1 7	17 34	0 8	5 41	2 2	34 57	11 32	16 13	15 57	27 33			n.a.
T 10	20 6	22 27	1 35	18 28	1 3	23 57	0 52	5 22	0 59	24 8	0 20	17 29	1 7	17 35	0 8	5 41	2 2	34 57	11 32	16 12	15 56	27 34			n.a.
W11	19 52	25 53	2 44	17 54	0 57	23 51	0 54	5 39	1 0	24 8	0 20	17 29	1 7	17 35	0 8	5 40	2 2	34 57	11 31	16 12	15 55	27 34			n.a.
T 12	19 39	27 36	3 43	17 18	0 51	23 43	0 56	5 56	1 1	24 9	0 21	17 30	1 7	17 35	0 8	5 39	2 1	34 57	11 31	16 10	15 54	27 35			n.a.
F 13	19 24	27 19	4 28	16 42	0 45	23 35	0 58	6 14	1 2	24 9	0 21	17 30	1 6	17 36	0 8	5 39	2 1	34 57	11 31	16 7	15 53	27 36			n.a.
S 14	19 10	25 2	4 54	16 6	0 39	23 26	1 0	6 31	1 2	24 10	0 21	17 30	1 6	17 36	0 8	5 38	2 1	34 57	11 31	16 4	15 52	27 36			n.a.
S 15	18 55	21 4	5 0	15 29	0 32	23 17	1 1	6 48	1 3	24 10	0 21	17 30	1 6	17 37	0 8	5 37	2 1	34 57	11 31	16 0	15 51	27 37			n.a.
M16	18 39	15 52	4 46	14 51	0 26	23 6	1 3	7 6	1 4	24 11	0 21	17 31	1 6	17 37	0 8	5 36	2 1	34 57	11 31	15 57	15 50	27 38			n.a.
T 17	18 24	9 56	4 14	14 13	0 19	22 56	1 5	7 23	1 4	24 11	0 21	17 31	1 6	17 37	0 8	5 36	2 1	34 57	11 31	15 54	15 49	27 38			n.a.
W18	18 8	3 43	3 29	13 35	0 12	22 44	1 6	7 40	1 5	24 12	0 21	17 31	1 5	17 38	0 8	5 35	2 1	34 57	11 31	15 52	15 48	27 39			n.a.
T 19	17 51	2s28	2 33	12 56	0 5	22 32	1 8	7 58	1 6	24 12	0 22	17 32	1 5	17 38	0 8	5 34	2 1	34 57	11 31	15 50	15 47	27 40			n.a.
F 20	17 35	8 22	1 31	12 18	0s 2	22 18	1 9	8 15	1 6	24 13	0 22	17 32	1 5	17 38	0 8	5 33	2 1	34 57	11 31	15 50	15 46	27 40			n.a.
S 21	17 18	13 46	0 27	11 39	0 9	22 5	1 11	8 32	1 7	24 13	0 22	17 33	1 5	17 39	0 8	5 33	2 1	34 57	11 31	15 49	15 45	27 41			n.a.
S 22	17 1	18 30	0s37	10 59	0 16	21 50	1 12	8 49	1 8	24 14	0 22	17 33	1 5	17 39	0 8	5 32	2 1	34 57	11 30	15 49	15 44	27 42			n.a.
M23	16 43	22 26	1 39	10 20	0 24	21 35	1 13	9 6	1 8	24 14	0 22	17 33	1 5	17 39	0 8	5 31	2 1	34 57	11 30	15 49	15 43	27 42			n.a.
T 24	16 25	25 23	2 35	9 41	0 31	21 20	1 15	9 24	1 9	24 14	0 22	17 34	1 4	17 39	0 8	5 30	2 1	34 57	11 30	15 48	15 42	27 43			n.a.
W25	16 7	27 13	3 25	9 1	0 38	21 3	1 16	9 41	1 10	24 15	0 22	17 34	1 4	17 40	0 8	5 29	2 1	34 57	11 30	15 47	15 41	27 43			n.a.
T 26	15 49	27 48	4 6	8 22	0 45	20 46	1 17	9 58	1 10	24 15	0 23	17 35	1 4	17 40	0 8	5 29	2 1	34 57	11 30	15 45	15 40	27 44			n.a.
F 27	15 30	27 6	4 36	7 43	0 53	20 29	1 18	10 15	1 11	24 15	0 23	17 36	1 4	17 40	0 8	5 28	2 1	34 57	11 30	15 41	15 39	27 45			n.a.
S 28	15 11	25 7	4 55	7 3	1 0	20 10	1 19	10 32	1 11	24 16	0 23	17 36	1 4	17 40	0 8	5 27	2 1	34 56	11 30	15 37	15 38	27 45			n.a.
S 29	14 52	21 57	5 0	6 24	1 8	19 52	1 20	10 49	1 12	24 16	0 23	17 37	1 3	17 40	0 8	5 26	2 1	34 56	11 30	15 33	15 37	27 46			n.a.
M30	14 33	17 46	4 51	5 45	1 15	19 32	1 21	11 5	1 12	24 16	0 23	17 37	1 3	17 41	0 8	5 25	2 1	34 56	11 29	15 29	15 36	27 46			n.a.
T 31	14n13	12s45	4s27	5n 7	1s22	19n12	1n22	11s22	1s13	24n17	0n23	17s38	1n 3	17n41	0s 8	5n24	2n 1	34s56	11s29	15n25	15n35	27s47			n.a.

Julian Day Number = 1113859.5, Delta T = 10h49m28s
Ecliptic obliquity = 23°53'25, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'09, Lahiri = -26°54'09 Julian Calendar 1 Aug. 1664 BCE == Greg. Calendar 18 July 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

SEPTEMBER 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 42 41	23♌39'37	21♓ 2	15♍27	11♌53	26♎46	28♊57	22♏11	19♉ 2	21♍12	10°R11	10°R50	11♉30	0♉44	n.a.	W 1
T 2	21 46 37	24°39'16	4♈ 1	16°47	13° 8	27°30	29° 7	22°13	19° 3	21°15	10♉10	10♉43	11°27	0°51	n.a.	T 2
F 3	21 50 34	25°38'58	17°11	18° 5	14°23	28°14	29°17	22°15	19° 3	21°17	10° 9	10°38	11°24	0°57	n.a.	F 3
S 4	21 54 30	26°38'41	0♉33	19°23	15°39	28°58	29°26	22°18	19° 3	21°19	10° 8	10°36	11°21	1° 4	n.a.	S 4
S 5	21 58 27	27°38'28	14° 7	20°39	16°54	29°42	29°36	22°20	19° 4	21°21	10° 7	10°D36	11°18	1°11	n.a.	S 5
M 6	22 2 23	28°38'16	27°55	21°54	18° 9	0♏26	29°46	22°23	19° 4	21°23	10° 7	10°R36	11°15	1°17	n.a.	M 6
T 7	22 6 20	29°38'07	11♊57	23° 7	19°24	1°10	29°55	22°25	19° 4	21°25	10° 6	10°36	11°11	1°24	n.a.	T 7
W 8	22 10 17	0♍38'01	26°14	24°18	20°40	1°55	0♋ 4	22°28	19° 4	21°27	10° 5	10°33	11° 8	1°31	n.a.	W 8
T 9	22 14 13	1°37'57	10♋42	25°28	21°55	2°39	0°14	22°31	19°R 4	21°29	10° 4	10°28	11° 5	1°37	n.a.	T 9
F 10	22 18 10	2°37'56	25°19	26°35	23°11	3°24	0°23	22°33	19° 4	21°31	10° 4	10°21	11° 2	1°44	n.a.	F 10
S 11	22 22 6	3°37'56	9♌58	27°41	24°26	4° 8	0°32	22°36	19° 4	21°34	10° 3	10°11	10°59	1°51	n.a.	S 11
S 12	22 26 3	4°37'59	24°32	28°44	25°41	4°53	0°41	22°39	19° 4	21°36	10° 2	10° 0	10°56	1°57	n.a.	S 12
M13	22 29 59	5°38'04	8♍54	29°44	26°57	5°37	0°50	22°42	19° 4	21°38	10° 2	9°50	10°52	2° 4	n.a.	M13
T 14	22 33 56	6°38'11	22°56	0♎41	28°12	6°22	0°58	22°46	19° 3	21°40	10° 1	9°41	10°49	2°11	n.a.	T 14
W15	22 37 52	7°38'19	6♎36	1°36	29°28	7° 7	1° 7	22°49	19° 3	21°42	10° 1	9°34	10°46	2°18	n.a.	W15
T 16	22 41 49	8°38'30	19°51	2°26	0♍43	7°52	1°15	22°52	19° 3	21°44	10° 0	9°30	10°43	2°24	n.a.	T 16
F 17	22 45 45	9°38'42	2♏42	3°13	1°59	8°37	1°24	22°56	19° 2	21°47	9°59	9°28	10°40	2°31	n.a.	F 17
S 18	22 49 42	10°38'57	15°11	3°55	3°14	9°22	1°32	22°59	19° 2	21°49	9°59	9°D28	10°36	2°38	n.a.	S 18
S 19	22 53 39	11°39'13	27°23	4°32	4°30	10° 7	1°40	23° 3	19° 1	21°51	9°58	9°29	10°33	2°44	n.a.	S 19
M20	22 57 35	12°39'30	9♐23	5° 3	5°45	10°52	1°48	23° 7	19° 1	21°53	9°58	9°R29	10°30	2°51	n.a.	M20
T 21	23 1 32	13°39'50	21°15	5°29	7° 1	11°37	1°55	23°11	19° 0	21°56	9°58	9°29	10°27	2°58	n.a.	T 21
W22	23 5 28	14°40'11	3♑ 5	5°47	8°16	12°22	2° 3	23°14	18°59	21°58	9°57	9°27	10°24	3° 4	n.a.	W22
T 23	23 9 25	15°40'33	14°58	5°59	9°32	13° 8	2°11	23°18	18°59	22° 0	9°57	9°23	10°21	3°11	n.a.	T 23
F 24	23 13 21	16°40'57	26°58	6°R 2	10°48	13°53	2°18	23°23	18°58	22° 2	9°56	9°16	10°17	3°18	n.a.	F 24
S 25	23 17 18	17°41'23	9♒10	5°57	12° 3	14°38	2°25	23°27	18°57	22° 5	9°56	9° 8	10°14	3°25	n.a.	S 25
S 26	23 21 14	18°41'51	21°35	5°42	13°19	15°24	2°32	23°31	18°56	22° 7	9°56	8°58	10°11	3°31	n.a.	S 26
M27	23 25 11	19°42'20	4♓15	5°18	14°34	16° 9	2°39	23°35	18°55	22° 9	9°55	8°49	10° 8	3°38	n.a.	M27
T 28	23 29 8	20°42'51	17°10	4°43	15°50	16°55	2°46	23°40	18°54	22°11	9°55	8°40	10° 5	3°45	n.a.	T 28
W29	23 33 4	21°43'23	0♈19	3°59	17° 5	17°41	2°53	23°44	18°53	22°14	9°55	8°33	10° 1	3°51	n.a.	W29
T 30	23 37 1	22♍43'57	13♈41	3♎ 5	18♍21	18♏26	2♋59	23♏48	18♉52	22♍16	9♑55	8♉28	9♉58	3♑58	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13n53	7s 8	3s50	4n28	1s29	18n52	1n22	11s39	1s13	24n17	0n24	17s39	1n 3	17n41	0s 8	5n24	2n 1	34s56	11s29	15n21	15n34	27s47		n.a.
T 2	13 33	1 7	3 1	3 50	1 36	18 31	1 23	11 55	1 14	24 17	0 24	17 40	1 3	17 41	0 8	5 23	2 1	34 56	11 29	15 19	15 33	27 48		n.a.
F 3	13 13	5n 1	2 1	3 13	1 43	18 9	1 24	12 12	1 14	24 17	0 24	17 40	1 3	17 41	0 8	5 22	2 1	34 56	11 29	15 18	15 32	27 48		n.a.
S 4	12 52	11 3	0 53	2 36	1 50	17 47	1 24	12 28	1 15	24 17	0 24	17 41	1 2	17 41	0 8	5 21	2 1	34 56	11 29	15 17	15 31	27 49		n.a.
S 5	12 31	16 40	0n19	1 59	1 57	17 24	1 25	12 45	1 15	24 18	0 24	17 42	1 2	17 41	0 8	5 20	2 1	34 56	11 28	15 17	15 30	27 49		n.a.
M 6	12 10	21 32	1 31	1 23	2 4	17 1	1 25	13 1	1 16	24 18	0 24	17 43	1 2	17 41	0 8	5 19	2 1	34 56	11 28	15 17	15 29	27 50		n.a.
T 7	11 49	25 16	2 38	0 48	2 10	16 38	1 25	13 17	1 16	24 18	0 25	17 44	1 2	17 41	0 8	5 18	2 1	34 56	11 28	15 17	15 28	27 50		n.a.
W 8	11 27	27 27	3 37	0 14	2 16	16 13	1 26	13 33	1 17	24 18	0 25	17 44	1 2	17 41	0 8	5 17	2 1	34 56	11 28	15 16	15 27	27 51		n.a.
T 9	11 6	27 49	4 23	0s20	2 22	15 49	1 26	13 50	1 17	24 18	0 25	17 45	1 1	17 41	0 8	5 17	2 1	34 55	11 28	15 14	15 26	27 51		n.a.
F 10	10 44	26 15	4 52	0 52	2 28	15 24	1 26	14 5	1 18	24 19	0 25	17 46	1 1	17 41	0 8	5 16	2 1	34 55	11 28	15 12	15 25	27 52		n.a.
S 11	10 22	22 55	5 2	1 24	2 33	14 58	1 26	14 21	1 18	24 19	0 25	17 47	1 1	17 41	0 8	5 15	2 1	34 55	11 27	15 9	15 24	27 52		n.a.
S 12	9 59	18 11	4 53	1 54	2 38	14 33	1 26	14 37	1 18	24 19	0 25	17 48	1 1	17 41	0 8	5 14	2 0	34 55	11 27	15 6	15 23	27 53		n.a.
M13	9 37	12 28	4 25	2 23	2 43	14 6	1 26	14 53	1 19	24 19	0 26	17 49	1 1	17 41	0 8	5 13	2 0	34 55	11 27	15 2	15 22	27 53		n.a.
T 14	9 15	6 14	3 41	2 50	2 47	13 40	1 26	15 8	1 19	24 19	0 26	17 50	1 1	17 41	0 8	5 12	2 0	34 55	11 27	14 59	15 21	27 54		n.a.
W15	8 52	0s 8	2 46	3 15	2 51	13 13	1 26	15 24	1 20	24 19	0 26	17 51	1 0	17 41	0 8	5 11	2 0	34 55	11 27	14 57	15 20	27 54		n.a.
T 16	8 29	6 19	1 43	3 39	2 54	12 45	1 25	15 39	1 20	24 19	0 26	17 52	1 0	17 41	0 8	5 10	2 0	34 54	11 26	14 56	15 19	27 55		n.a.
F 17	8 6	12 4	0 36	4 0	2 57	12 17	1 25	15 54	1 20	24 19	0 26	17 53	1 0	17 41	0 8	5 9	2 0	34 54	11 26	14 55	15 18	27 55		n.a.
S 18	7 43	17 11	0s31	4 19	2 59	11 49	1 25	16 9	1 21	24 19	0 27	17 54	1 0	17 41	0 8	5 9	2 0	34 54	11 26	14 55	15 17	27 55		n.a.
S 19	7 19	21 29	1 35	4 35	3 0	11 21	1 24	16 24	1 21	24 20	0 27	17 55	1 0	17 41	0 8	5 8	2 0	34 54	11 26	14 55	15 16	27 56		n.a.
M20	6 56	24 48	2 33	4 48	3 1	10 52	1 24	16 39	1 21	24 20	0 27	17 56	1 0	17 40	0 8	5 7	2 0	34 54	11 25	14 55	15 15	27 56		n.a.
T 21	6 32	27 0	3 25	4 58	3 0	10 23	1 23	16 54	1 21	24 20	0 27	17 58	0 59	17 40	0 8	5 6	2 0	34 54	11 25	14 55	15 14	27 57		n.a.
W22	6 9	27 58	4 7	5 4	2 59	9 54	1 23	17 8	1 22	24 20	0 27	17 59	0 59	17 40	0 8	5 5	2 0	34 53	11 25	14 55	15 13	27 57		n.a.
T 23	5 45	27 39	4 39	5 6	2 56	9 24	1 22	17 22	1 22	24 20	0 28	18 0	0 59	17 40	0 8	5 4	2 0	34 53	11 25	14 53	15 12	27 57		n.a.
F 24	5 21	26 3	4 59	5 3	2 51	8 54	1 21	17 37	1 22	24 20	0 28	18 1	0 59	17 40	0 8	5 3	2 0	34 53	11 25	14 51	15 11	27 58		n.a.
S 25	4 57	23 12	5 6	4 56	2 46	8 24	1 20	17 51	1 23	24 20	0 28	18 2	0 59	17 39	0 8	5 2	2 0	34 53	11 24	14 48	15 10	27 58		n.a.
S 26	4 33	19 16	4 59	4 43	2 39	7 54	1 19	18 5	1 23	24 20	0 28	18 3	0 59	17 39	0 8	5 1	2 0	34 53	11 24	14 45	15 9	27 58		n.a.
M27	4 9	14 25	4 37	4 25	2 30	7 23	1 19	18 18	1 23	24 20	0 28	18 5	0 58	17 39	0 8	5 0	2 0	34 52	11 24	14 42	15 8	27 59		n.a.
T 28	3 45	8 50	4 1	4 2	2 19	6 53	1 18	18 32	1 23	24 20	0 29	18 6	0 58	17 39	0 8	5 0	2 0	34 52	11 24	14 39	15 7	27 59		n.a.
W29	3 21	2 47	3 11	3 32	2 6	6 22	1 16	18 45	1 23	24 20	0 29	18 7	0 58	17 38	0 8	4 59	2 0	34 52	11 23	14 37	15 6	27 59		n.a.
T 30	2n56	3n31	2s10	2s57	1s52	5n51	1n15	18s59	1s24	24n20	0n29	18s 9	0n58	17n38	0s 8	4n58	2n 0	34s52	11s23	14n36	15n 5	28s 0		n.a.

Julian Day Number = 1113890.5, Delta T = 10h49m26s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'05, Lahiri = -26°54'05 Julian Calendar 1 Sept. 1664 BCE == Greg. Calendar 18 Aug. 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

OCTOBER 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 40 57	23♍44'33	27♈15	2°R 3	19♍37	19♏12	3♋ 5	23♏53	18°R51	22♍18	9°R54	8°R26	9♉55	4♑ 5	n.a.	F 1
S 2	23 44 54	24°45'11	10♉58	0♎53	20°52	19°57	3°12	23°58	18♉50	22°20	9♑54	8°D25	9°52	4°11	n.a.	S 2
S 3	23 48 50	25°45'51	24°49	29♍37	22° 8	20°43	3°18	24° 3	18°49	22°23	9°54	8♉26	9°49	4°18	n.a.	S 3
M 4	23 52 47	26°46'32	8♊47	28°17	23°24	21°29	3°23	24° 7	18°47	22°25	9°54	8°27	9°46	4°25	n.a.	M 4
T 5	23 56 43	27°47'16	22°51	26°56	24°39	22°15	3°29	24°12	18°46	22°27	9°54	8°R28	9°42	4°31	n.a.	T 5
W 6	0 0 40	28°48'02	7♋ 0	25°37	25°55	23° 1	3°35	24°17	18°45	22°29	9°54	8°28	9°39	4°38	n.a.	W 6
T 7	0 4 37	29°48'49	21°12	24°21	27°11	23°47	3°40	24°22	18°43	22°32	9°54	8°26	9°36	4°45	n.a.	T 7
F 8	0 8 33	0♎49'38	5♌25	23°12	28°26	24°33	3°45	24°27	18°42	22°34	9°D54	8°23	9°33	4°52	n.a.	F 8
S 9	0 12 30	1°50'29	19°36	22°12	29°42	25°19	3°50	24°32	18°40	22°36	9°54	8°17	9°30	4°58	n.a.	S 9
S 10	0 16 26	2°51'21	3♍41	21°22	0♎58	26° 5	3°55	24°38	18°39	22°38	9°54	8°12	9°27	5° 5	n.a.	S 10
M11	0 20 23	3°52'15	17°35	20°43	2°13	26°51	4° 0	24°43	18°37	22°40	9°54	8° 6	9°23	5°12	n.a.	M11
T 12	0 24 19	4°53'11	1♎16	20°16	3°29	27°37	4° 5	24°48	18°36	22°43	9°54	8° 1	9°20	5°18	n.a.	T 12
W13	0 28 16	5°54'07	14°39	20° 0	4°45	28°23	4° 9	24°54	18°34	22°45	9°54	7°57	9°17	5°25	n.a.	W13
T 14	0 32 12	6°55'05	27°43	19°D56	6° 0	29° 9	4°13	24°59	18°32	22°47	9°54	7°55	9°14	5°32	n.a.	T 14
F 15	0 36 9	7°56'05	10♏29	20° 2	7°16	29°55	4°17	25° 5	18°30	22°49	9°54	7°D55	9°11	5°38	n.a.	F 15
S 16	0 40 5	8°57'05	22°56	20°19	8°31	0♐41	4°21	25°10	18°29	22°52	9°55	7°55	9° 7	5°45	n.a.	S 16
S 17	0 44 2	9°58'06	5♐ 8	20°44	9°47	1°28	4°25	25°16	18°27	22°54	9°55	7°57	9° 4	5°52	n.a.	S 17
M18	0 47 59	10°59'09	17° 9	21°18	11° 3	2°14	4°28	25°22	18°25	22°56	9°55	7°59	9° 1	5°59	n.a.	M18
T 19	0 51 55	12° 0'12	29° 2	22° 0	12°18	3° 0	4°32	25°28	18°23	22°58	9°55	8° 1	8°58	6° 5	n.a.	T 19
W20	0 55 52	13° 1'16	10♑53	22°48	13°34	3°47	4°35	25°33	18°21	23° 0	9°56	8°R 1	8°55	6°12	n.a.	W20
T 21	0 59 48	14° 2'21	22°46	23°42	14°50	4°33	4°38	25°39	18°19	23° 2	9°56	8° 1	8°52	6°19	n.a.	T 21
F 22	1 3 45	15° 3'27	4♒47	24°41	16° 5	5°19	4°40	25°45	18°17	23° 4	9°56	7°59	8°48	6°25	n.a.	F 22
S 23	1 7 41	16° 4'33	16°59	25°45	17°21	6° 6	4°43	25°51	18°15	23° 7	9°57	7°57	8°45	6°32	n.a.	S 23
S 24	1 11 38	17° 5'40	29°28	26°52	18°36	6°52	4°45	25°57	18°13	23° 9	9°57	7°54	8°42	6°39	n.a.	S 24
M25	1 15 35	18° 6'48	12♓14	28° 3	19°52	7°39	4°48	26° 3	18°11	23°11	9°57	7°51	8°39	6°45	n.a.	M25
T 26	1 19 31	19° 7'57	25°21	29°16	21° 8	8°25	4°50	26° 9	18° 9	23°13	9°58	7°48	8°36	6°52	n.a.	T 26
W27	1 23 28	20° 9'06	8♈48	0♎32	22°23	9°11	4°51	26°16	18° 6	23°15	9°58	7°45	8°33	6°59	n.a.	W27
T 28	1 27 24	21°10'16	22°33	1°51	23°39	9°58	4°53	26°22	18° 4	23°17	9°59	7°44	8°29	7° 6	n.a.	T 28
F 29	1 31 21	22°11'27	6♉33	3°11	24°54	10°44	4°54	26°28	18° 2	23°19	9°59	7°D43	8°26	7°12	n.a.	F 29
S 30	1 35 17	23°12'38	20°45	4°32	26°10	11°31	4°56	26°34	18° 0	23°21	10° 0	7°44	8°23	7°19	n.a.	S 30
S 31	1 39 14	24♎13'51	5♊ 4	5♎55	27♎25	12♐17	4♋57	26♏41	17♉57	23♍23	10♑ 1	7♉45	8♉20	7♑26	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n32	9n45	1s 0	2s17	1s36	5n19	1n14	19s12	1s24	24n20	0n29	18s10	0n58	17n38	0s 8	4n57	2n 0	34s52	11s23	14n35	15n 4	28s 0		n.a.
S 2	2 7	15 37	0n14	1 33	1 18	4 48	1 13	19 25	1 24	24 20	0 29	18 11	0 58	17 37	0 8	4 56	2 0	34 51	11 23	14 35	15 3	28 0		n.a.
S 3	1 43	20 45	1 28	0 44	0 59	4 16	1 12	19 37	1 24	24 20	0 30	18 12	0 58	17 37	0 8	4 55	2 0	34 51	11 23	14 35	15 2	28 1		n.a.
M 4	1 18	24 46	2 37	0n 6	0 39	3 45	1 10	19 50	1 24	24 20	0 30	18 14	0 57	17 37	0 8	4 54	2 0	34 51	11 22	14 35	15 1	28 1		n.a.
T 5	0 54	27 19	3 37	0 58	0 18	3 13	1 9	20 2	1 25	24 21	0 30	18 15	0 57	17 36	0 8	4 53	2 0	34 51	11 22	14 36	15 0	28 1		n.a.
W 6	0 29	28 7	4 25	1 49	0n 2	2 41	1 8	20 14	1 25	24 21	0 30	18 17	0 57	17 36	0 8	4 52	2 0	34 50	11 22	14 36	14 59	28 1		n.a.
T 7	0 5	27 4	4 57	2 38	0 23	2 9	1 6	20 26	1 25	24 21	0 30	18 18	0 57	17 36	0 8	4 51	2 0	34 50	11 22	14 35	14 58	28 2		n.a.
F 8	0s20	24 16	5 10	3 23	0 42	1 37	1 5	20 38	1 25	24 21	0 31	18 19	0 57	17 35	0 8	4 51	2 0	34 50	11 21	14 34	14 57	28 2		n.a.
S 9	0 45	20 1	5 4	4 4	1 0	1 5	1 3	20 49	1 25	24 21	0 31	18 21	0 57	17 35	0 8	4 50	2 0	34 50	11 21	14 32	14 56	28 2		n.a.
S 10	1 9	14 41	4 41	4 39	1 17	0 33	1 1	21 1	1 25	24 21	0 31	18 22	0 57	17 34	0 8	4 49	2 0	34 50	11 21	14 30	14 55	28 2		n.a.
M11	1 34	8 40	4 0	5 9	1 32	0 1	1 0	21 12	1 25	24 21	0 31	18 24	0 56	17 34	0 8	4 48	2 0	34 49	11 21	14 28	14 54	28 3		n.a.
T 12	1 59	2 20	3 7	5 32	1 45	0s32	0 58	21 23	1 25	24 21	0 31	18 25	0 56	17 33	0 8	4 47	2 0	34 49	11 20	14 27	14 53	28 3		n.a.
W13	2 23	3s59	2 4	5 48	1 56	1 4	0 56	21 34	1 25	24 21	0 32	18 27	0 56	17 33	0 8	4 46	2 1	34 49	11 20	14 25	14 51	28 3		n.a.
T 14	2 48	10 0	0 55	5 58	2 5	1 36	0 54	21 44	1 25	24 21	0 32	18 28	0 56	17 33	0 8	4 45	2 1	34 49	11 20	14 25	14 50	28 3		n.a.
F 15	3 12	15 28	0s14	6 3	2 13	2 8	0 52	21 54	1 25	24 21	0 32	18 30	0 56	17 32	0 8	4 44	2 1	34 48	11 20	14 25	14 49	28 3		n.a.
S 16	3 37	20 10	1 21	6 1	2 18	2 40	0 51	22 4	1 25	24 21	0 32	18 31	0 56	17 32	0 8	4 44	2 1	34 48	11 19	14 25	14 48	28 4		n.a.
S 17	4 1	23 55	2 24	5 55	2 23	3 12	0 49	22 14	1 26	24 21	0 33	18 33	0 56	17 31	0 8	4 43	2 1	34 48	11 19	14 25	14 47	28 4		n.a.
M18	4 26	26 33	3 19	5 44	2 26	3 44	0 47	22 24	1 26	24 22	0 33	18 34	0 55	17 31	0 8	4 42	2 1	34 47	11 19	14 26	14 46	28 4		n.a.
T 19	4 50	27 58	4 5	5 29	2 27	4 16	0 45	22 33	1 26	24 22	0 33	18 36	0 55	17 30	0 8	4 41	2 1	34 47	11 19	14 26	14 45	28 4		n.a.
W20	5 14	28 5	4 40	5 10	2 28	4 48	0 43	22 42	1 26	24 22	0 33	18 37	0 55	17 29	0 8	4 40	2 1	34 47	11 18	14 27	14 44	28 4		n.a.
T 21	5 38	26 55	5 4	4 47	2 27	5 20	0 41	22 51	1 26	24 22	0 33	18 39	0 55	17 29	0 8	4 39	2 1	34 47	11 18	14 27	14 43	28 4		n.a.
F 22	6 2	24 30	5 14	4 22	2 26	5 51	0 39	23 0	1 26	24 22	0 34	18 40	0 55	17 28	0 8	4 38	2 1	34 46	11 18	14 26	14 42	28 4		n.a.
S 23	6 26	20 57	5 11	3 54	2 23	6 23	0 36	23 8	1 26	24 22	0 34	18 42	0 55	17 28	0 8	4 38	2 1	34 46	11 18	14 25	14 41	28 5		n.a.
S 24	6 50	16 26	4 53	3 25	2 20	6 54	0 34	23 16	1 25	24 22	0 34	18 43	0 55	17 27	0 8	4 37	2 1	34 46	11 18	14 24	14 40	28 5		n.a.
M25	7 14	11 5	4 20	2 53	2 17	7 25	0 32	23 24	1 25	24 22	0 34	18 45	0 55	17 27	0 8	4 36	2 1	34 46	11 17	14 23	14 39	28 5		n.a.
T 26	7 38	5 8	3 33	2 19	2 13	7 56	0 30	23 32	1 25	24 23	0 35	18 47	0 54	17 26	0 8	4 35	2 1	34 45	11 17	14 22	14 38	28 5		n.a.
W27	8 1	1n13	2 33	1 44	2 8	8 27	0 28	23 39	1 25	24 23	0 35	18 48	0 54	17 25	0 8	4 34	2 1	34 45	11 17	14 21	14 37	28 5		n.a.
T 28	8 25	7 39	1 23	1 8	2 3	8 57	0 25	23 46	1 25	24 23	0 35	18 50	0 54	17 25	0 8	4 34	2 1	34 45	11 17	14 21	14 36	28 5		n.a.
F 29	8 48	13 51	0 6	0 31	1 58	9 28	0 23	23 53	1 25	24 23	0 35	18 51	0 54	17 24	0 8	4 33	2 1	34 45	11 16	14 21	14 35	28 5		n.a.
S 30	9 11	19 25	1n11	0s 8	1 52	9 58	0 21	23 59	1 25	24 23	0 36	18 53	0 54	17 23	0 8	4 32	2 1	34 44	11 16	14 21	14 34	28 5		n.a.
S 31	9s34	23n56	2n26	0s46	1n46	10s28	0n19	24s 6	1s25	24n24	0n36	18s55	0n54	17n23	0s 8	4n31	2n 1	34s44	11s16	14n21	14n33	28s 5		n.a.

Julian Day Number = 1113920.5, Delta T = 10h49m24s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°01'01, Lahiri = -26°54'01 Julian Calendar 1 Oct. 1664 BCE == Greg. Calendar 17 Sept. 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

NOVEMBER 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 43 10	25♎15'04	19♊26	7♎20	28♎41	13♐ 4	4♋58	26♏47	17°R55	23♍25	10♑ 1	7♉46	8♉17	7♑32	n.a.	M 1
T 2	1 47 7	26°16'18	3♋46	8°45	29°57	13°50	4°58	26°54	17♉53	23°27	10° 2	7°47	8°13	7°39	n.a.	T 2
W 3	1 51 4	27°17'34	18° 2	10°11	1♏12	14°37	4°59	27° 0	17°50	23°29	10° 2	7°47	8°10	7°46	n.a.	W 3
T 4	1 55 0	28°18'50	2♌11	11°38	2°28	15°23	4°59	27° 7	17°48	23°31	10° 3	7°R47	8° 7	7°53	n.a.	T 4
F 5	1 58 57	29°20'06	16°10	13° 6	3°43	16°10	4°R59	27°13	17°46	23°33	10° 4	7°47	8° 4	7°59	n.a.	F 5
S 6	2 2 53	0♏21'24	0♍ 0	14°34	4°59	16°56	4°59	27°20	17°43	23°35	10° 5	7°46	8° 1	8° 6	n.a.	S 6
S 7	2 6 50	1°22'42	13°38	16° 3	6°14	17°43	4°59	27°26	17°41	23°37	10° 5	7°45	7°58	8°13	n.a.	S 7
M 8	2 10 46	2°24'01	27° 4	17°32	7°30	18°29	4°58	27°33	17°38	23°38	10° 6	7°45	7°54	8°19	n.a.	M 8
T 9	2 14 43	3°25'20	10♎17	19° 2	8°45	19°16	4°57	27°40	17°36	23°40	10° 7	7°44	7°51	8°26	n.a.	T 9
W10	2 18 39	4°26'40	23°17	20°32	10° 1	20° 3	4°56	27°47	17°33	23°42	10° 8	7°44	7°48	8°33	n.a.	W10
T 11	2 22 36	5°27'59	6♏ 3	22° 2	11°16	20°49	4°55	27°53	17°31	23°44	10° 9	7°D44	7°45	8°39	n.a.	T 11
F 12	2 26 33	6°29'20	18°35	23°33	12°32	21°36	4°54	28° 0	17°28	23°46	10° 9	7°44	7°42	8°46	n.a.	F 12
S 13	2 30 29	7°30'40	0♐54	25° 4	13°47	22°22	4°52	28° 7	17°26	23°48	10°10	7°R44	7°38	8°53	n.a.	S 13
S 14	2 34 26	8°32'00	13° 2	26°36	15° 3	23° 9	4°51	28°14	17°23	23°49	10°11	7°44	7°35	9° 0	n.a.	S 14
M15	2 38 22	9°33'21	25° 2	28° 7	16°18	23°55	4°49	28°21	17°21	23°51	10°12	7°44	7°32	9° 6	n.a.	M15
T 16	2 42 19	10°34'41	6♑55	29°40	17°33	24°42	4°47	28°28	17°18	23°53	10°13	7°43	7°29	9°13	n.a.	T 16
W17	2 46 15	11°36'01	18°45	1♏12	18°49	25°29	4°44	28°34	17°15	23°54	10°14	7°43	7°26	9°20	n.a.	W17
T 18	2 50 12	12°37'21	0♒38	2°44	20° 4	26°15	4°42	28°41	17°13	23°56	10°15	7°42	7°23	9°26	n.a.	T 18
F 19	2 54 9	13°38'40	12°36	4°17	21°20	27° 2	4°39	28°48	17°10	23°58	10°16	7°D42	7°19	9°33	n.a.	F 19
S 20	2 58 5	14°39'59	24°46	5°50	22°35	27°48	4°36	28°55	17° 8	23°59	10°17	7°42	7°16	9°40	n.a.	S 20
S 21	3 2 2	15°41'17	7♓11	7°24	23°50	28°35	4°33	29° 2	17° 5	24° 1	10°18	7°43	7°13	9°47	n.a.	S 21
M22	3 5 58	16°42'35	19°56	8°58	25° 6	29°21	4°30	29° 9	17° 3	24° 2	10°20	7°44	7°10	9°53	n.a.	M22
T 23	3 9 55	17°43'53	3♈ 3	10°32	26°21	0♑ 8	4°27	29°16	17° 0	24° 4	10°21	7°45	7° 7	10° 0	n.a.	T 23
W24	3 13 51	18°45'10	16°36	12° 7	27°36	0°54	4°23	29°23	16°57	24° 5	10°22	7°46	7° 4	10° 7	n.a.	W24
T 25	3 17 48	19°46'26	0♉33	13°41	28°52	1°41	4°19	29°30	16°55	24° 7	10°23	7°46	7° 0	10°13	n.a.	T 25
F 26	3 21 45	20°47'42	14°52	15°17	0♐ 7	2°27	4°15	29°38	16°52	24° 8	10°24	7°R46	6°57	10°20	n.a.	F 26
S 27	3 25 41	21°48'58	29°30	16°52	1°22	3°13	4°11	29°45	16°50	24°10	10°25	7°45	6°54	10°27	n.a.	S 27
S 28	3 29 38	22°50'13	14♊18	18°28	2°37	4° 0	4° 7	29°52	16°47	24°11	10°27	7°44	6°51	10°34	n.a.	S 28
M29	3 33 34	23°51'28	29° 9	20° 5	3°53	4°46	4° 2	29°59	16°44	24°12	10°28	7°42	6°48	10°40	n.a.	M29
T 30	3 37 31	24♏52'43	13♋57	21♏42	5♐ 8	5♑33	3♋58	0♐ 6	16♉42	24♍14	10♑29	7♉40	6♉44	10♑47	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	9s57	26n58	3n31	1s26	1n40	10s57	0n16	24s12	1s25	24n24	0n36	18s56	0n54	17n22	0s 8	4n30	2n 1	34s44	11s16	14n22	14n32	28s 5		n.a.	M 1
T 2	10 20	28 13	4 23	2 6	1 34	11 27	0 14	24 18	1 25	24 24	0 36	18 58	0 54	17 22	0 8	4 30	2 1	34 43	11 15	14 22	14 31	28 5		n.a.	T 2
W 3	10 42	27 34	4 58	2 46	1 27	11 56	0 12	24 23	1 25	24 24	0 36	18 59	0 53	17 21	0 8	4 29	2 1	34 43	11 15	14 22	14 30	28 5		n.a.	W 3
T 4	11 4	25 9	5 15	3 27	1 21	12 25	0 9	24 28	1 24	24 24	0 37	19 1	0 53	17 20	0 8	4 28	2 1	34 43	11 15	14 22	14 29	28 5		n.a.	T 4
F 5	11 27	21 15	5 13	4 8	1 14	12 53	0 7	24 33	1 24	24 25	0 37	19 3	0 53	17 20	0 8	4 27	2 1	34 43	11 15	14 22	14 28	28 5		n.a.	F 5
S 6	11 49	16 14	4 53	4 49	1 7	13 21	0 5	24 38	1 24	24 25	0 37	19 4	0 53	17 19	0 8	4 27	2 1	34 42	11 15	14 22	14 27	28 6		n.a.	S 6
S 7	12 10	10 29	4 17	5 30	1 0	13 49	0 2	24 42	1 24	24 25	0 37	19 6	0 53	17 18	0 8	4 26	2 1	34 42	11 14	14 21	14 25	28 6		n.a.	S 7
M 8	12 32	4 20	3 27	6 11	0 53	14 16	0s 0	24 46	1 24	24 25	0 38	19 8	0 53	17 17	0 8	4 25	2 1	34 42	11 14	14 21	14 24	28 6		n.a.	M 8
T 9	12 53	1s55	2 26	6 53	0 46	14 44	0 3	24 50	1 24	24 26	0 38	19 9	0 53	17 17	0 8	4 25	2 1	34 41	11 14	14 21	14 23	28 5		n.a.	T 9
W10	13 15	7 59	1 19	7 34	0 39	15 10	0 5	24 54	1 23	24 26	0 38	19 11	0 53	17 16	0 8	4 24	2 1	34 41	11 14	14 21	14 22	28 5		n.a.	W10
T 11	13 35	13 38	0 9	8 15	0 32	15 37	0 7	24 57	1 23	24 26	0 38	19 13	0 53	17 15	0 8	4 23	2 1	34 41	11 13	14 21	14 21	28 5		n.a.	T 11
F 12	13 56	18 38	1s 0	8 55	0 25	16 3	0 10	25 0	1 23	24 26	0 39	19 14	0 52	17 15	0 8	4 23	2 2	34 41	11 13	14 21	14 20	28 5		n.a.	F 12
S 13	14 17	22 46	2 5	9 36	0 19	16 28	0 12	25 3	1 23	24 27	0 39	19 16	0 52	17 14	0 8	4 22	2 2	34 40	11 13	14 21	14 19	28 5		n.a.	S 13
S 14	14 37	25 50	3 4	10 16	0 12	16 53	0 14	25 5	1 23	24 27	0 39	19 17	0 52	17 13	0 8	4 21	2 2	34 40	11 13	14 21	14 18	28 5		n.a.	S 14
M15	14 57	27 41	3 53	10 56	0 5	17 18	0 17	25 7	1 22	24 27	0 39	19 19	0 52	17 12	0 8	4 21	2 2	34 40	11 13	14 21	14 17	28 5		n.a.	M15
T 16	15 16	28 15	4 33	11 36	0s 2	17 42	0 19	25 9	1 22	24 28	0 40	19 21	0 52	17 12	0 8	4 20	2 2	34 39	11 12	14 21	14 16	28 5		n.a.	T 16
W17	15 36	27 30	5 0	12 15	0 9	18 5	0 21	25 11	1 22	24 28	0 40	19 22	0 52	17 11	0 8	4 19	2 2	34 39	11 12	14 21	14 15	28 5		n.a.	W17
T 18	15 55	25 30	5 15	12 54	0 15	18 28	0 24	25 12	1 22	24 28	0 40	19 24	0 52	17 10	0 8	4 19	2 2	34 39	11 12	14 21	14 14	28 5		n.a.	T 18
F 19	16 14	22 23	5 16	13 32	0 22	18 51	0 26	25 13	1 21	24 29	0 40	19 26	0 52	17 9	0 8	4 18	2 2	34 39	11 12	14 20	14 13	28 5		n.a.	F 19
S 20	16 32	18 15	5 3	14 10	0 28	19 13	0 28	25 13	1 21	24 29	0 41	19 27	0 52	17 9	0 8	4 17	2 2	34 38	11 12	14 21	14 12	28 5		n.a.	S 20
S 21	16 51	13 18	4 36	14 47	0 35	19 35	0 31	25 14	1 21	24 29	0 41	19 29	0 52	17 8	0 8	4 17	2 2	34 38	11 11	14 21	14 11	28 5		n.a.	S 21
M22	17 9	7 39	3 55	15 24	0 41	19 56	0 33	25 14	1 21	24 30	0 41	19 31	0 52	17 7	0 8	4 16	2 2	34 38	11 11	14 21	14 10	28 5		n.a.	M22
T 23	17 26	1 31	3 1	16 0	0 47	20 16	0 35	25 14	1 20	24 30	0 41	19 32	0 51	17 7	0 8	4 16	2 2	34 37	11 11	14 21	14 9	28 4		n.a.	T 23
W24	17 44	4n53	1 55	16 36	0 53	20 36	0 37	25 13	1 20	24 30	0 42	19 34	0 51	17 6	0 7	4 15	2 2	34 37	11 11	14 22	14 8	28 4		n.a.	W24
T 25	18 1	11 15	0 40	17 10	0 58	20 55	0 40	25 13	1 20	24 31	0 42	19 35	0 51	17 5	0 7	4 15	2 2	34 37	11 11	14 22	14 7	28 4		n.a.	T 25
F 26	18 17	17 14	0n39	17 45	1 4	21 14	0 42	25 11	1 19	24 31	0 42	19 37	0 51	17 4	0 7	4 14	2 2	34 37	11 11	14 22	14 5	28 4		n.a.	F 26
S 27	18 34	22 20	1 57	18 18	1 9	21 32	0 44	25 10	1 19	24 32	0 42	19 39	0 51	17 4	0 7	4 14	2 2	34 36	11 10	14 21	14 4	28 4		n.a.	S 27
S 28	18 50	26 4	3 8	18 51	1 15	21 50	0 46	25 8	1 19	24 32	0 42	19 40	0 51	17 3	0 7	4 13	2 2	34 36	11 10	14 21	14 3	28 4		n.a.	S 28
M29	19 5	28 0	4 7	19 22	1 20	22 7	0 48	25 7	1 18	24 32	0 43	19 42	0 51	17 2	0 7	4 13	2 2	34 36	11 10	14 20	14 2	28 4		n.a.	M29
T 30	19s21	27n56	4n49	19s53	1s24	22s23	0s50	25s 4	1s18	24n33	0n43	19s44	0n51	17n 1	0s 7	4n12	2n 3	34s36	11s10	14n20	14n 1	28s 3		n.a.	T 30

Julian Day Number = 1113951.5, Delta T = 10h49m22s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'57, Lahiri = -26°53'56 Julian Calendar 1 Nov. 1664 BCE == Greg. Calendar 18 Oct. 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1664 BCE
geocentric

DECEMBER 1664 BCE (-1663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 41 27	25♏53'57	28♋33	23♏19	6♐23	6♑19	3°R53	0♐13	16°R39	24♍15	10♑30	7°R38	6♉41	10♑54	n.a.	W 1
T 2	3 45 24	26°55'11	12♌53	24°57	7°38	7° 5	3♋48	0°20	16♉37	24°16	10°32	7♉36	6°38	11° 0	n.a.	T 2
F 3	3 49 21	27°56'24	26°54	26°36	8°53	7°52	3°43	0°27	16°34	24°18	10°33	7°D36	6°35	11° 7	n.a.	F 3
S 4	3 53 17	28°57'38	10♍36	28°14	10° 9	8°38	3°37	0°35	16°32	24°19	10°34	7°36	6°32	11°14	n.a.	S 4
S 5	3 57 14	29°58'50	23°58	29°54	11°24	9°24	3°32	0°42	16°29	24°20	10°36	7°37	6°29	11°20	n.a.	S 5
M 6	4 1 10	1♐ 0'02	7♎ 4	1♐34	12°39	10°11	3°26	0°49	16°27	24°21	10°37	7°39	6°25	11°27	n.a.	M 6
T 7	4 5 7	2° 1'14	19°55	3°14	13°54	10°57	3°21	0°56	16°24	24°22	10°38	7°40	6°22	11°34	n.a.	T 7
W 8	4 9 3	3° 2'25	2♏32	4°55	15° 9	11°43	3°15	1° 3	16°22	24°23	10°40	7°R41	6°19	11°41	n.a.	W 8
T 9	4 13 0	4° 3'35	14°58	6°37	16°24	12°29	3° 9	1°10	16°19	24°24	10°41	7°41	6°16	11°47	n.a.	T 9
F 10	4 16 56	5° 4'44	27°14	8°19	17°40	13°16	3° 2	1°17	16°17	24°26	10°42	7°40	6°13	11°54	n.a.	F 10
S 11	4 20 53	6° 5'53	9♐22	10° 1	18°55	14° 2	2°56	1°24	16°14	24°27	10°44	7°37	6°10	12° 1	n.a.	S 11
S 12	4 24 50	7° 7'01	21°23	11°44	20°10	14°48	2°50	1°32	16°12	24°28	10°45	7°32	6° 6	12° 7	n.a.	S 12
M13	4 28 46	8° 8'07	3♑19	13°28	21°25	15°34	2°43	1°39	16°10	24°28	10°47	7°27	6° 3	12°14	n.a.	M13
T 14	4 32 43	9° 9'12	15°11	15°12	22°40	16°20	2°36	1°46	16° 7	24°29	10°48	7°20	6° 0	12°21	n.a.	T 14
W15	4 36 39	10°10'16	27° 2	16°56	23°55	17° 6	2°30	1°53	16° 5	24°30	10°50	7°14	5°57	12°28	n.a.	W15
T 16	4 40 36	11°11'19	8♒54	18°41	25°10	17°52	2°23	2° 0	16° 3	24°31	10°51	7° 9	5°54	12°34	n.a.	T 16
F 17	4 44 32	12°12'20	20°51	20°26	26°25	18°38	2°16	2° 7	16° 0	24°32	10°53	7° 5	5°50	12°41	n.a.	F 17
S 18	4 48 29	13°13'20	2♓57	22°11	27°40	19°24	2° 9	2°14	15°58	24°33	10°54	7° 3	5°47	12°48	n.a.	S 18
S 19	4 52 26	14°14'18	15°17	23°57	28°55	20°10	2° 1	2°21	15°56	24°33	10°56	7°D 3	5°44	12°54	n.a.	S 19
M20	4 56 22	15°15'15	27°55	25°42	0♑10	20°56	1°54	2°28	15°54	24°34	10°57	7° 3	5°41	13° 1	n.a.	M20
T 21	5 0 19	16°16'10	10♈56	27°27	1°25	21°42	1°47	2°35	15°52	24°35	10°59	7° 5	5°38	13° 8	n.a.	T 21
W22	5 4 15	17°17'03	24°22	29°12	2°39	22°28	1°39	2°42	15°50	24°35	11° 1	7° 6	5°35	13°15	n.a.	W22
T 23	5 8 12	18°17'55	8♉17	0♑56	3°54	23°14	1°32	2°49	15°47	24°36	11° 2	7°R 7	5°31	13°21	n.a.	T 23
F 24	5 12 8	19°18'45	22°40	2°39	5° 9	24° 0	1°24	2°56	15°45	24°37	11° 4	7° 6	5°28	13°28	n.a.	F 24
S 25	5 16 5	20°19'34	7♊28	4°21	6°24	24°45	1°17	3° 3	15°43	24°37	11° 5	7° 3	5°25	13°35	n.a.	S 25
S 26	5 20 1	21°20'21	22°33	6° 2	7°39	25°31	1° 9	3°10	15°41	24°38	11° 7	6°58	5°22	13°41	n.a.	S 26
M27	5 23 58	22°21'07	7♋47	7°40	8°53	26°17	1° 1	3°17	15°39	24°38	11° 8	6°51	5°19	13°48	n.a.	M27
T 28	5 27 55	23°21'52	22°59	9°17	10° 8	27° 2	0°53	3°24	15°38	24°39	11°10	6°44	5°16	13°55	n.a.	T 28
W29	5 31 51	24°22'34	7♌59	10°50	11°23	27°48	0°45	3°31	15°36	24°39	11°12	6°37	5°12	14° 2	n.a.	W29
T 30	5 35 48	25°23'16	22°38	12°20	12°38	28°34	0°38	3°38	15°34	24°39	11°13	6°31	5° 9	14° 8	n.a.	T 30
F 31	5 39 44	26♐23'56	6♍52	13♑46	13♑52	29♑19	0♋30	3♐44	15♉32	24♍40	11♑15	6♉27	5♉ 6	14♑15	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	19s36	25n55	5n11	20s23	1s29	22s38	0s52	25s 2	1s18	24n33	0n43	19s45	0n51	17n 1	0s 7	4n12	2n 3	34s35	11s10	14n19	14n 0	28s 3			n.a.
T 2	19 50	22 16	5 14	20 52	1 33	22 53	0 54	24 59	1 17	24 33	0 43	19 47	0 51	17 0	0 7	4 11	2 3	34 35	11 10	14 18	13 59	28 3			n.a.
F 3	20 4	17 25	4 58	21 20	1 37	23 7	0 56	24 56	1 17	24 34	0 44	19 48	0 51	16 59	0 7	4 11	2 3	34 35	11 9	14 18	13 58	28 3			n.a.
S 4	20 18	11 48	4 25	21 47	1 41	23 21	0 58	24 53	1 17	24 34	0 44	19 50	0 51	16 58	0 7	4 10	2 3	34 35	11 9	14 18	13 57	28 3			n.a.
S 5	20 32	5 46	3 38	22 13	1 45	23 33	1 0	24 49	1 16	24 35	0 44	19 51	0 51	16 58	0 7	4 10	2 3	34 34	11 9	14 19	13 56	28 2			n.a.
M 6	20 45	0s24	2 41	22 37	1 48	23 46	1 2	24 45	1 16	24 35	0 44	19 53	0 50	16 57	0 7	4 9	2 3	34 34	11 9	14 19	13 55	28 2			n.a.
T 7	20 57	6 27	1 36	23 1	1 51	23 57	1 3	24 41	1 16	24 35	0 45	19 55	0 50	16 56	0 7	4 9	2 3	34 34	11 9	14 20	13 54	28 2			n.a.
W 8	21 10	12 8	0 28	23 23	1 54	24 7	1 5	24 37	1 15	24 36	0 45	19 56	0 50	16 56	0 7	4 9	2 3	34 34	11 9	14 20	13 53	28 2			n.a.
T 9	21 21	17 16	0s40	23 43	1 56	24 17	1 7	24 32	1 15	24 36	0 45	19 58	0 50	16 55	0 7	4 8	2 3	34 33	11 9	14 20	13 52	28 1			n.a.
F 10	21 33	21 37	1 45	24 2	1 58	24 26	1 8	24 27	1 14	24 36	0 45	19 59	0 50	16 54	0 7	4 8	2 3	34 33	11 9	14 20	13 51	28 1			n.a.
S 11	21 44	24 59	2 45	24 20	1 59	24 35	1 10	24 22	1 14	24 37	0 45	20 1	0 50	16 53	0 7	4 8	2 3	34 33	11 8	14 19	13 49	28 1			n.a.
S 12	21 54	27 12	3 37	24 36	2 0	24 42	1 12	24 16	1 14	24 37	0 46	20 2	0 50	16 53	0 7	4 7	2 3	34 33	11 8	14 17	13 48	28 0			n.a.
M13	22 5	28 9	4 18	24 50	2 1	24 49	1 13	24 11	1 13	24 38	0 46	20 4	0 50	16 52	0 7	4 7	2 3	34 32	11 8	14 15	13 47	28 0			n.a.
T 14	22 14	27 47	4 49	25 3	2 1	24 55	1 15	24 4	1 13	24 38	0 46	20 5	0 50	16 51	0 7	4 7	2 3	34 32	11 8	14 13	13 46	28 0			n.a.
W15	22 24	26 9	5 6	25 14	2 1	25 1	1 16	23 58	1 12	24 38	0 46	20 7	0 50	16 51	0 7	4 6	2 4	34 32	11 8	14 11	13 45	28 0			n.a.
T 16	22 32	23 22	5 11	25 23	2 0	25 5	1 17	23 52	1 12	24 39	0 46	20 8	0 50	16 50	0 7	4 6	2 4	34 32	11 8	14 9	13 44	27 59			n.a.
F 17	22 41	19 34	5 2	25 30	1 58	25 9	1 19	23 45	1 12	24 39	0 47	20 10	0 50	16 49	0 7	4 6	2 4	34 31	11 8	14 8	13 43	27 59			n.a.
S 18	22 49	14 57	4 40	25 35	1 56	25 12	1 20	23 38	1 11	24 39	0 47	20 11	0 50	16 49	0 7	4 6	2 4	34 31	11 8	14 7	13 42	27 59			n.a.
S 19	22 56	9 39	4 5	25 39	1 54	25 14	1 21	23 30	1 11	24 39	0 47	20 13	0 50	16 48	0 7	4 5	2 4	34 31	11 8	14 7	13 41	27 58			n.a.
M20	23 3	3 51	3 17	25 40	1 51	25 16	1 22	23 23	1 10	24 40	0 47	20 14	0 50	16 48	0 7	4 5	2 4	34 31	11 8	14 7	13 40	27 58			n.a.
T 21	23 10	2n18	2 17	25 39	1 47	25 16	1 23	23 15	1 10	24 40	0 47	20 16	0 50	16 47	0 7	4 5	2 4	34 30	11 8	14 8	13 39	27 58			n.a.
W22	23 16	8 34	1 9	25 35	1 42	25 16	1 24	23 7	1 9	24 40	0 48	20 17	0 49	16 46	0 7	4 5	2 4	34 30	11 7	14 8	13 38	27 57			n.a.
T 23	23 22	14 38	0n 6	25 30	1 37	25 15	1 25	22 59	1 9	24 41	0 48	20 19	0 49	16 46	0 7	4 5	2 4	34 30	11 7	14 9	13 37	27 57			n.a.
F 24	23 27	20 8	1 23	25 22	1 31	25 13	1 26	22 50	1 8	24 41	0 48	20 20	0 49	16 45	0 7	4 4	2 4	34 30	11 7	14 8	13 36	27 56			n.a.
S 25	23 32	24 32	2 37	25 13	1 24	25 11	1 27	22 42	1 8	24 41	0 48	20 21	0 49	16 45	0 7	4 4	2 4	34 30	11 7	14 7	13 34	27 56			n.a.
S 26	23 36	27 21	3 41	25 1	1 16	25 8	1 28	22 33	1 7	24 41	0 48	20 23	0 49	16 44	0 7	4 4	2 4	34 29	11 7	14 6	13 33	27 56			n.a.
M27	23 40	28 8	4 29	24 47	1 7	25 3	1 28	22 23	1 7	24 42	0 48	20 24	0 49	16 43	0 7	4 4	2 4	34 29	11 7	14 3	13 32	27 55			n.a.
T 28	23 43	26 48	4 59	24 31	0 58	24 59	1 29	22 14	1 7	24 42	0 49	20 26	0 49	16 43	0 7	4 4	2 4	34 29	11 7	14 1	13 31	27 55			n.a.
W29	23 46	23 33	5 7	24 14	0 48	24 53	1 30	22 4	1 6	24 42	0 49	20 27	0 49	16 42	0 7	4 4	2 5	34 29	11 7	13 59	13 30	27 54			n.a.
T 30	23 48	18 52	4 56	23 55	0 37	24 46	1 30	21 54	1 6	24 42	0 49	20 28	0 49	16 42	0 7	4 4	2 5	34 29	11 7	13 57	13 29	27 54			n.a.
F 31	23s50	13n15	4n26	23s34	0s25	24s39	1s31	21s44	1s 5	24n42	0n49	20s30	0n49	16n41	0s 7	4n 4	2n 5	34s29	11s 7	13n55	13n28	27s54			n.a.

Julian Day Number = 1113981.5, Delta T = 10h49m20s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'53, Lahiri = -26°53'52 Julian Calendar 1 Dec. 1664 BCE == Greg. Calendar 17 Nov. 1664 BCE

The year -1663 astronomical counting style corresponds to year 1664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

JANUARY 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 43 41	27♐24'35	20♍40	15♑ 7	15♑ 7	0♒ 5	0°R22	3♐51	15°R30	24♍40	11♑17	6°R25	5♉ 3	14♑22	n.a.	S 1
S 2	5 47 37	28°25'12	4♎ 1	16°23	16°22	0°50	0♋14	3°58	15♉29	24°40	11°18	6°D25	5° 0	14°28	n.a.	S 2
M 3	5 51 34	29°25'48	16°59	17°32	17°36	1°35	0° 6	4° 5	15°27	24°41	11°20	6♉26	4°56	14°35	n.a.	M 3
T 4	5 55 30	0♑26'22	29°38	18°35	18°51	2°21	29♊58	4°11	15°25	24°41	11°22	6°27	4°53	14°42	n.a.	T 4
W 5	5 59 27	1°26'55	12♏ 2	19°30	20° 5	3° 6	29°50	4°18	15°24	24°41	11°23	6°R27	4°50	14°49	n.a.	W 5
T 6	6 3 24	2°27'27	24°14	20°17	21°20	3°52	29°42	4°24	15°22	24°41	11°25	6°25	4°47	14°55	n.a.	T 6
F 7	6 7 20	3°27'57	6♐17	20°56	22°34	4°37	29°34	4°31	15°21	24°41	11°27	6°21	4°44	15° 2	n.a.	F 7
S 8	6 11 17	4°28'25	18°15	21°25	23°49	5°22	29°26	4°38	15°19	24°41	11°28	6°14	4°41	15° 9	n.a.	S 8
S 9	6 15 13	5°28'52	0♑ 9	21°44	25° 3	6° 7	29°18	4°44	15°18	24°41	11°30	6° 4	4°37	15°16	n.a.	S 9
M10	6 19 10	6°29'16	12° 2	21°R53	26°18	6°52	29°11	4°51	15°16	24°R41	11°32	5°53	4°34	15°22	n.a.	M10
T 11	6 23 6	7°29'39	23°53	21°52	27°32	7°38	29° 3	4°57	15°15	24°41	11°33	5°40	4°31	15°29	n.a.	T 11
W12	6 27 3	8°30'00	5♒46	21°41	28°47	8°23	28°55	5° 3	15°14	24°41	11°35	5°28	4°28	15°36	n.a.	W12
T 13	6 31 0	9°30'18	17°40	21°21	0♒ 1	9° 8	28°47	5°10	15°13	24°41	11°37	5°17	4°25	15°42	n.a.	T 13
F 14	6 34 56	10°30'35	29°40	20°51	1°15	9°53	28°40	5°16	15°11	24°41	11°39	5° 7	4°22	15°49	n.a.	F 14
S 15	6 38 53	11°30'49	11♓48	20°13	2°30	10°38	28°32	5°22	15°10	24°41	11°40	5° 1	4°18	15°56	n.a.	S 15
S 16	6 42 49	12°31'01	24° 6	19°27	3°44	11°23	28°24	5°28	15° 9	24°41	11°42	4°57	4°15	16° 3	n.a.	S 16
M17	6 46 46	13°31'11	6♈40	18°36	4°58	12° 8	28°17	5°35	15° 8	24°40	11°44	4°55	4°12	16° 9	n.a.	M17
T 18	6 50 42	14°31'19	19°33	17°39	6°12	12°52	28°10	5°41	15° 7	24°40	11°45	4°D55	4° 9	16°16	n.a.	T 18
W19	6 54 39	15°31'24	2♉50	16°39	7°26	13°37	28° 2	5°47	15° 6	24°40	11°47	4°R55	4° 6	16°23	n.a.	W19
T 20	6 58 35	16°31'27	16°35	15°37	8°41	14°22	27°55	5°53	15° 5	24°40	11°49	4°55	4° 2	16°29	n.a.	T 20
F 21	7 2 32	17°31'28	0♊48	14°34	9°55	15° 7	27°48	5°59	15° 5	24°39	11°50	4°52	3°59	16°36	n.a.	F 21
S 22	7 6 28	18°31'26	15°29	13°33	11° 9	15°51	27°41	6° 5	15° 4	24°39	11°52	4°47	3°56	16°43	n.a.	S 22
S 23	7 10 25	19°31'22	0♋33	12°34	12°23	16°36	27°34	6°10	15° 3	24°38	11°54	4°40	3°53	16°50	n.a.	S 23
M24	7 14 22	20°31'16	15°51	11°38	13°37	17°20	27°27	6°16	15° 2	24°38	11°55	4°30	3°50	16°56	n.a.	M24
T 25	7 18 18	21°31'08	1♌13	10°47	14°51	18° 5	27°20	6°22	15° 2	24°37	11°57	4°19	3°47	17° 3	n.a.	T 25
W26	7 22 15	22°30'58	16°26	10° 1	16° 4	18°49	27°14	6°28	15° 1	24°37	11°59	4° 8	3°43	17°10	n.a.	W26
T 27	7 26 11	23°30'45	1♍21	9°20	17°18	19°34	27° 7	6°33	15° 1	24°36	12° 0	3°59	3°40	17°16	n.a.	T 27
F 28	7 30 8	24°30'31	15°49	8°46	18°32	20°18	27° 1	6°39	15° 0	24°36	12° 2	3°52	3°37	17°23	n.a.	F 28
S 29	7 34 4	25°30'14	29°48	8°19	19°46	21° 2	26°55	6°44	15° 0	24°35	12° 4	3°47	3°34	17°30	n.a.	S 29
S 30	7 38 1	26°29'56	13♎16	7°58	21° 0	21°47	26°49	6°50	14°59	24°35	12° 5	3°45	3°31	17°37	n.a.	S 30
M31	7 41 57	27♑29'36	26♎18	7♑43	22♒13	22♒31	26♊43	6♐55	14♉59	24♍34	12♑ 7	3♉45	3♉28	17♑43	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s52	7n 8	3n41	23s12	0s12	24s31	1s31	21s34	1s 5	24n43	0n49	20s31	0n49	16n41	0s 7	4n 4	2n 5	34s28	11s 7	13n55	13n27	27s53		n.a.
S 2	23 53	0 54	2 45	22 50	0n 2	24 23	1 31	21 23	1 4	24 43	0 49	20 32	0 49	16 40	0 7	4 3	2 5	34 28	11 7	13 55	13 26	27 53		n.a.
M 3	23 53	5s13	1 43	22 27	0 17	24 13	1 32	21 13	1 4	24 43	0 50	20 34	0 49	16 40	0 7	4 3	2 5	34 28	11 7	13 55	13 25	27 52		n.a.
T 4	23 53	10 59	0 37	22 3	0 32	24 3	1 32	21 2	1 3	24 43	0 50	20 35	0 49	16 39	0 7	4 3	2 5	34 28	11 7	13 55	13 24	27 52		n.a.
W 5	23 53	16 12	0s30	21 39	0 48	23 52	1 32	20 51	1 3	24 43	0 50	20 36	0 49	16 39	0 7	4 3	2 5	34 28	11 7	13 55	13 23	27 51		n.a.
T 6	23 52	20 42	1 34	21 16	1 4	23 41	1 32	20 39	1 2	24 43	0 50	20 37	0 49	16 38	0 7	4 3	2 5	34 27	11 7	13 55	13 21	27 51		n.a.
F 7	23 51	24 16	2 33	20 54	1 20	23 28	1 32	20 28	1 1	24 43	0 50	20 39	0 49	16 38	0 7	4 3	2 5	34 27	11 7	13 53	13 20	27 50		n.a.
S 8	23 49	26 45	3 24	20 33	1 37	23 15	1 32	20 16	1 1	24 44	0 50	20 40	0 49	16 38	0 7	4 3	2 5	34 27	11 7	13 51	13 19	27 50		n.a.
S 9	23 46	27 59	4 6	20 13	1 54	23 2	1 32	20 4	1 0	24 44	0 50	20 41	0 49	16 37	0 7	4 4	2 5	34 27	11 7	13 48	13 18	27 49		n.a.
M10	23 44	27 56	4 37	19 55	2 11	22 47	1 32	19 52	1 0	24 44	0 50	20 42	0 49	16 37	0 7	4 4	2 5	34 27	11 7	13 44	13 17	27 49		n.a.
T 11	23 40	26 35	4 56	19 39	2 27	22 32	1 31	19 40	0 59	24 44	0 51	20 44	0 49	16 36	0 7	4 4	2 5	34 27	11 7	13 40	13 16	27 48		n.a.
W12	23 37	24 4	5 2	19 26	2 43	22 16	1 31	19 27	0 59	24 44	0 51	20 45	0 49	16 36	0 7	4 4	2 6	34 27	11 7	13 35	13 15	27 48		n.a.
T 13	23 33	20 30	4 56	19 15	2 57	22 0	1 30	19 15	0 58	24 44	0 51	20 46	0 49	16 36	0 7	4 4	2 6	34 26	11 7	13 32	13 14	27 47		n.a.
F 14	23 28	16 5	4 36	19 6	3 11	21 43	1 30	19 2	0 58	24 44	0 51	20 47	0 49	16 35	0 7	4 4	2 6	34 26	11 7	13 28	13 13	27 47		n.a.
S 15	23 23	11 0	4 3	19 0	3 23	21 25	1 29	18 49	0 57	24 44	0 51	20 48	0 48	16 35	0 7	4 4	2 6	34 26	11 7	13 26	13 12	27 46		n.a.
S 16	23 17	5 25	3 19	18 56	3 33	21 7	1 29	18 36	0 57	24 44	0 51	20 50	0 48	16 35	0 7	4 4	2 6	34 26	11 7	13 25	13 11	27 45		n.a.
M17	23 11	0n30	2 24	18 54	3 42	20 48	1 28	18 23	0 56	24 44	0 51	20 51	0 48	16 34	0 7	4 4	2 6	34 26	11 7	13 24	13 9	27 45		n.a.
T 18	23 5	6 33	1 21	18 55	3 49	20 29	1 27	18 9	0 56	24 44	0 51	20 52	0 48	16 34	0 7	4 5	2 6	34 26	11 7	13 24	13 8	27 44		n.a.
W19	22 58	12 31	0 11	18 59	3 53	20 9	1 26	17 56	0 55	24 44	0 51	20 53	0 48	16 34	0 7	4 5	2 6	34 26	11 7	13 24	13 7	27 44		n.a.
T 20	22 51	18 5	1n 1	19 4	3 55	19 48	1 25	17 42	0 54	24 44	0 51	20 54	0 48	16 34	0 7	4 5	2 6	34 26	11 7	13 24	13 6	27 43		n.a.
F 21	22 43	22 52	2 13	19 10	3 56	19 27	1 24	17 28	0 54	24 44	0 51	20 55	0 48	16 33	0 7	4 5	2 6	34 26	11 7	13 23	13 5	27 42		n.a.
S 22	22 35	26 21	3 17	19 19	3 54	19 5	1 23	17 14	0 53	24 44	0 52	20 56	0 48	16 33	0 7	4 5	2 6	34 25	11 8	13 22	13 4	27 42		n.a.
S 23	22 26	28 3	4 10	19 28	3 50	18 43	1 22	17 0	0 53	24 44	0 52	20 57	0 48	16 33	0 7	4 6	2 6	34 25	11 8	13 19	13 3	27 41		n.a.
M24	22 17	27 39	4 45	19 39	3 44	18 21	1 21	16 45	0 52	24 44	0 52	20 58	0 48	16 33	0 7	4 6	2 6	34 25	11 8	13 16	13 2	27 41		n.a.
T 25	22 8	25 8	5 0	19 51	3 37	17 57	1 20	16 31	0 52	24 43	0 52	20 59	0 48	16 33	0 7	4 6	2 6	34 25	11 8	13 12	13 1	27 40		n.a.
W26	21 58	20 52	4 54	20 3	3 28	17 34	1 19	16 16	0 51	24 43	0 52	21 0	0 48	16 33	0 7	4 6	2 7	34 25	11 8	13 8	13 0	27 39		n.a.
T 27	21 48	15 21	4 27	20 16	3 18	17 10	1 17	16 2	0 50	24 43	0 52	21 1	0 48	16 32	0 7	4 7	2 7	34 25	11 8	13 5	12 59	27 39		n.a.
F 28	21 37	9 8	3 44	20 29	3 7	16 45	1 16	15 47	0 50	24 43	0 52	21 2	0 48	16 32	0 7	4 7	2 7	34 25	11 8	13 3	12 57	27 38		n.a.
S 29	21 26	2 40	2 49	20 43	2 55	16 20	1 14	15 32	0 49	24 43	0 52	21 3	0 48	16 32	0 7	4 7	2 7	34 25	11 8	13 1	12 56	27 37		n.a.
S 30	21 15	3s43	1 46	20 57	2 42	15 55	1 13	15 17	0 49	24 43	0 52	21 4	0 48	16 32	0 7	4 8	2 7	34 25	11 8	13 0	12 55	27 37		n.a.
M31	21s 3	9s44	0n39	21s10	2n29	15s29	1s11	15s 2	0s48	24n43	0n52	21s 5	0n48	16n32	0s 7	4n 8	2n 7	34s25	11s 8	13n 0	12n54	27s36		n.a.

Julian Day Number = 1114012.5, Delta T = 10h49m18s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'49, Lahiri = -26°53'48 Julian Calendar 1 Jan. 1663 BCE == Greg. Calendar 18 Dec. 1664 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

FEBRUARY 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 45 54	28♉29'14	8♏56	7°R35	23♒27	23♒15	26°R37	7♐ 1	14°R59	24°R33	12♉ 9	3°R45	3♉24	17♉50	n.a.	T 1
W 2	7 49 51	29°28'50	21°16	7°D33	24°41	23°59	26♊31	7° 6	14♉59	24♍32	12°10	3♉44	3°21	17°57	n.a.	W 2
T 3	7 53 47	0♒28'25	3♐22	7♉37	25°54	24°43	26°26	7°11	14°59	24°32	12°12	3°41	3°18	18° 3	n.a.	T 3
F 4	7 57 44	1°27'57	15°20	7°47	27° 8	25°27	26°20	7°16	14°58	24°31	12°14	3°36	3°15	18°10	n.a.	F 4
S 5	8 1 40	2°27'27	27°12	8° 2	28°21	26°11	26°15	7°21	14°D58	24°30	12°15	3°28	3°12	18°17	n.a.	S 5
S 6	8 5 37	3°26'56	9♉ 3	8°23	29°35	26°55	26°10	7°26	14°58	24°29	12°17	3°16	3° 8	18°24	n.a.	S 6
M 7	8 9 33	4°26'22	20°54	8°48	0♓48	27°39	26° 5	7°31	14°59	24°28	12°18	3° 3	3° 5	18°30	n.a.	M 7
T 8	8 13 30	5°25'46	2♒47	9°18	2° 1	28°23	26° 0	7°36	14°59	24°27	12°20	2°49	3° 2	18°37	n.a.	T 8
W 9	8 17 26	6°25'08	14°44	9°52	3°15	29° 7	25°55	7°41	14°59	24°26	12°22	2°34	2°59	18°44	n.a.	W 9
T 10	8 21 23	7°24'27	26°45	10°31	4°28	29°51	25°51	7°46	14°59	24°26	12°23	2°20	2°56	18°51	n.a.	T 10
F 11	8 25 19	8°23'45	8♓53	11°13	5°41	0♓35	25°47	7°50	14°59	24°25	12°25	2° 9	2°53	18°57	n.a.	F 11
S 12	8 29 16	9°22'59	21° 8	11°59	6°54	1°18	25°43	7°55	15° 0	24°24	12°26	2° 1	2°49	19° 4	n.a.	S 12
S 13	8 33 13	10°22'12	3♈33	12°48	8° 7	2° 2	25°39	8° 0	15° 0	24°23	12°28	1°55	2°46	19°11	n.a.	S 13
M14	8 37 9	11°21'22	16°11	13°41	9°20	2°45	25°35	8° 4	15° 0	24°21	12°29	1°53	2°43	19°17	n.a.	M14
T 15	8 41 6	12°20'29	29° 4	14°36	10°33	3°29	25°31	8° 8	15° 1	24°20	12°31	1°D52	2°40	19°24	n.a.	T 15
W16	8 45 2	13°19'34	12♉18	15°35	11°46	4°12	25°28	8°13	15° 2	24°19	12°32	1°R52	2°37	19°31	n.a.	W16
T 17	8 48 59	14°18'37	25°54	16°36	12°59	4°56	25°25	8°17	15° 2	24°18	12°34	1°52	2°34	19°38	n.a.	T 17
F 18	8 52 55	15°17'37	9♊55	17°40	14°12	5°39	25°22	8°21	15° 3	24°17	12°35	1°50	2°30	19°44	n.a.	F 18
S 19	8 56 52	16°16'35	24°20	18°46	15°25	6°23	25°19	8°25	15° 4	24°16	12°37	1°45	2°27	19°51	n.a.	S 19
S 20	9 0 48	17°15'30	9♋ 8	19°55	16°38	7° 6	25°16	8°29	15° 4	24°15	12°38	1°38	2°24	19°58	n.a.	S 20
M21	9 4 45	18°14'23	24°13	21° 6	17°50	7°49	25°14	8°33	15° 5	24°13	12°40	1°29	2°21	20° 4	n.a.	M21
T 22	9 8 42	19°13'14	9♌25	22°19	19° 3	8°32	25°11	8°37	15° 6	24°12	12°41	1°19	2°18	20°11	n.a.	T 22
W23	9 12 38	20°12'02	24°33	23°34	20°15	9°15	25° 9	8°41	15° 7	24°11	12°42	1° 9	2°14	20°18	n.a.	W23
T 24	9 16 35	21°10'48	9♍28	24°51	21°28	9°58	25° 7	8°44	15° 8	24°10	12°44	0°59	2°11	20°25	n.a.	T 24
F 25	9 20 31	22° 9'32	24° 1	26°10	22°40	10°42	25° 5	8°48	15° 9	24° 8	12°45	0°53	2° 8	20°31	n.a.	F 25
S 26	9 24 28	23° 8'14	8♎ 6	27°31	23°53	11°24	25° 4	8°51	15°10	24° 7	12°47	0°48	2° 5	20°38	n.a.	S 26
S 27	9 28 24	24° 6'54	21°42	28°54	25° 5	12° 7	25° 2	8°55	15°11	24° 6	12°48	0°46	2° 2	20°45	n.a.	S 27
M28	9 32 21	25♒ 5'33	4♏50	0♒19	26♓17	12♓50	25♊ 1	8♐58	15♉12	24♍ 4	12♉49	0°D46	1♉59	20♉52	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	20s51	15s11	0s27	21s24	2n16	15s 3	1s 9	14s46	0s48	24n43	0n52	21s 6	0n48	16n32	0s 7	4n 8	2n 7	34s25	11s 9	13n 0	12n53	27s35		n.a.	T 1
W 2	20 39	19 53	1 31	21 38	2 3	14 36	1 7	14 31	0 47	24 43	0 52	21 7	0 48	16 32	0 7	4 9	2 7	34 25	11 9	13 0	12 52	27 35		n.a.	W 2
T 3	20 26	23 40	2 30	21 51	1 49	14 9	1 6	14 15	0 46	24 43	0 52	21 8	0 48	16 32	0 6	4 9	2 7	34 25	11 9	12 59	12 51	27 34		n.a.	T 3
F 4	20 12	26 23	3 20	22 4	1 36	13 42	1 4	14 0	0 46	24 42	0 52	21 9	0 48	16 32	0 6	4 9	2 7	34 25	11 9	12 57	12 50	27 33		n.a.	F 4
S 5	19 59	27 54	4 2	22 16	1 23	13 14	1 2	13 44	0 45	24 42	0 52	21 10	0 48	16 32	0 6	4 10	2 7	34 25	11 9	12 54	12 49	27 32		n.a.	S 5
S 6	19 45	28 7	4 33	22 28	1 9	12 46	1 0	13 28	0 45	24 42	0 52	21 10	0 48	16 32	0 6	4 10	2 7	34 25	11 9	12 50	12 48	27 32		n.a.	S 6
M 7	19 31	27 3	4 52	22 39	0 56	12 18	0 58	13 12	0 44	24 42	0 52	21 11	0 48	16 32	0 6	4 11	2 7	34 25	11 9	12 46	12 46	27 31		n.a.	M 7
T 8	19 16	24 45	4 59	22 50	0 44	11 49	0 56	12 56	0 43	24 42	0 52	21 12	0 48	16 32	0 6	4 11	2 7	34 25	11 10	12 41	12 45	27 30		n.a.	T 8
W 9	19 1	21 22	4 52	23 0	0 31	11 20	0 53	12 40	0 43	24 42	0 52	21 13	0 48	16 32	0 6	4 11	2 7	34 25	11 10	12 35	12 44	27 29		n.a.	W 9
T 10	18 46	17 5	4 33	23 9	0 19	10 51	0 51	12 24	0 42	24 42	0 52	21 14	0 48	16 32	0 6	4 12	2 7	34 25	11 10	12 31	12 43	27 29		n.a.	T 10
F 11	18 30	12 6	4 1	23 17	0 8	10 21	0 49	12 7	0 42	24 42	0 52	21 14	0 48	16 32	0 6	4 12	2 8	34 25	11 10	12 27	12 42	27 28		n.a.	F 11
S 12	18 14	6 35	3 17	23 24	0s 4	9 51	0 46	11 51	0 41	24 41	0 52	21 15	0 48	16 32	0 6	4 13	2 8	34 25	11 10	12 24	12 41	27 27		n.a.	S 12
S 13	17 58	0 45	2 24	23 30	0 15	9 22	0 44	11 35	0 40	24 41	0 52	21 16	0 48	16 32	0 6	4 13	2 8	34 25	11 10	12 22	12 40	27 26		n.a.	S 13
M14	17 42	5n13	1 22	23 35	0 25	8 51	0 42	11 18	0 40	24 41	0 52	21 17	0 48	16 33	0 6	4 14	2 8	34 25	11 11	12 21	12 39	27 25		n.a.	M14
T 15	17 25	11 7	0 15	23 39	0 35	8 21	0 39	11 2	0 39	24 41	0 52	21 17	0 48	16 33	0 6	4 14	2 8	34 25	11 11	12 21	12 38	27 25		n.a.	T 15
W16	17 8	16 41	0n55	23 42	0 45	7 50	0 37	10 45	0 39	24 41	0 52	21 18	0 48	16 33	0 6	4 15	2 8	34 25	11 11	12 21	12 36	27 24		n.a.	W16
T 17	16 51	21 35	2 3	23 44	0 54	7 20	0 34	10 28	0 38	24 41	0 52	21 19	0 48	16 33	0 6	4 15	2 8	34 25	11 11	12 21	12 35	27 23		n.a.	T 17
F 18	16 33	25 26	3 7	23 44	1 3	6 49	0 31	10 11	0 37	24 41	0 52	21 19	0 48	16 33	0 6	4 16	2 8	34 25	11 11	12 20	12 34	27 22		n.a.	F 18
S 19	16 15	27 46	4 0	23 43	1 11	6 18	0 29	9 55	0 37	24 41	0 52	21 20	0 48	16 34	0 6	4 16	2 8	34 25	11 11	12 18	12 33	27 21		n.a.	S 19
S 20	15 57	28 12	4 39	23 41	1 19	5 46	0 26	9 38	0 36	24 40	0 52	21 21	0 48	16 34	0 6	4 17	2 8	34 25	11 12	12 16	12 32	27 20		n.a.	S 20
M21	15 39	26 34	4 59	23 37	1 26	5 15	0 23	9 21	0 36	24 40	0 52	21 21	0 48	16 34	0 6	4 17	2 8	34 25	11 12	12 13	12 31	27 20		n.a.	M21
T 22	15 20	23 1	4 58	23 32	1 33	4 43	0 20	9 4	0 35	24 40	0 52	21 22	0 48	16 34	0 6	4 18	2 8	34 25	11 12	12 9	12 30	27 19		n.a.	T 22
W23	15 1	17 55	4 37	23 26	1 40	4 12	0 18	8 47	0 34	24 40	0 52	21 23	0 48	16 35	0 6	4 18	2 8	34 25	11 12	12 5	12 29	27 18		n.a.	W23
T 24	14 42	11 48	3 57	23 18	1 46	3 40	0 15	8 30	0 34	24 40	0 52	21 23	0 48	16 35	0 6	4 19	2 8	34 25	11 12	12 2	12 28	27 17		n.a.	T 24
F 25	14 23	5 12	3 2	23 8	1 51	3 8	0 12	8 12	0 33	24 40	0 52	21 24	0 48	16 35	0 6	4 20	2 8	34 25	11 13	12 0	12 26	27 16		n.a.	F 25
S 26	14 4	1s29	1 57	22 57	1 56	2 37	0 9	7 55	0 33	24 40	0 52	21 24	0 48	16 36	0 6	4 20	2 8	34 25	11 13	11 58	12 25	27 15		n.a.	S 26
S 27	13 44	7 52	0 48	22 44	2 1	2 5	0 6	7 38	0 32	24 40	0 52	21 25	0 48	16 36	0 6	4 21	2 8	34 25	11 13	11 57	12 24	27 14		n.a.	S 27
M28	13s24	13s43	0s22	22s30	2s 5	1s33	0s 3	7s21	0s31	24n40	0n52	21s25	0n48	16n36	0s 6	4n21	2n 8	34s25	11s13	11n57	12n23	27s13		n.a.	M28

Julian Day Number = 1114043.5, Delta T = 10h49m17s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'44, Lahiri = -26°53'44 Julian Calendar 1 Feb. 1663 BCE == Greg. Calendar 18 Jan. 1663 BCE

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

MARCH 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 36 17	26♒ 4'09	17♏34	1♒46	27♓29	13♓33	25°R 0	9♐ 1	15♉13	24°R 3	12♑51	0♉46	1♉55	20♑58	n.a.	T 1
W 2	9 40 14	27° 2'44	29°56	3°14	28°41	14°16	24♊59	9° 5	15°15	24♍ 2	12°52	0°R47	1°52	21° 5	n.a.	W 2
T 3	9 44 10	28° 1'17	12♐ 4	4°44	29°53	14°59	24°59	9° 8	15°16	24° 0	12°53	0°45	1°49	21°12	n.a.	T 3
F 4	9 48 7	28°59'48	24° 2	6°16	1♈ 5	15°41	24°58	9°11	15°17	23°59	12°54	0°42	1°46	21°18	n.a.	F 4
S 5	9 52 4	29°58'17	5♑53	7°49	2°17	16°24	24°58	9°14	15°19	23°57	12°56	0°37	1°43	21°25	n.a.	S 5
S 6	9 56 0	0♓56'45	17°44	9°24	3°29	17° 7	24°D58	9°16	15°20	23°56	12°57	0°29	1°40	21°32	n.a.	S 6
M 7	9 59 57	1°55'10	29°36	11° 1	4°41	17°49	24°58	9°19	15°22	23°54	12°58	0°19	1°36	21°39	n.a.	M 7
T 8	10 3 53	2°53'34	11♒33	12°40	5°53	18°32	24°58	9°22	15°23	23°53	12°59	0° 8	1°33	21°45	n.a.	T 8
W 9	10 7 50	3°51'56	23°36	14°20	7° 4	19°14	24°59	9°24	15°25	23°51	13° 0	29♈57	1°30	21°52	n.a.	W 9
T 10	10 11 46	4°50'15	5♓47	16° 1	8°16	19°57	24°59	9°27	15°27	23°50	13° 2	29°47	1°27	21°59	n.a.	T 10
F 11	10 15 43	5°48'33	18° 7	17°45	9°27	20°39	25° 0	9°29	15°28	23°48	13° 3	29°39	1°24	22° 5	n.a.	F 11
S 12	10 19 39	6°46'49	0♈36	19°30	10°39	21°21	25° 1	9°31	15°30	23°47	13° 4	29°33	1°20	22°12	n.a.	S 12
S 13	10 23 36	7°45'03	13°15	21°17	11°50	22° 4	25° 3	9°33	15°32	23°45	13° 5	29°29	1°17	22°19	n.a.	S 13
M14	10 27 32	8°43'14	26° 7	23° 5	13° 1	22°46	25° 4	9°36	15°34	23°44	13° 6	29°D28	1°14	22°26	n.a.	M14
T 15	10 31 29	9°41'24	9♉12	24°56	14°12	23°28	25° 6	9°37	15°36	23°42	13° 7	29°28	1°11	22°32	n.a.	T 15
W16	10 35 26	10°39'31	22°32	26°47	15°24	24°10	25° 7	9°39	15°38	23°41	13° 8	29°29	1° 8	22°39	n.a.	W16
T 17	10 39 22	11°37'37	6♊ 9	28°41	16°35	24°52	25° 9	9°41	15°40	23°39	13° 9	29°R30	1° 5	22°46	n.a.	T 17
F 18	10 43 19	12°35'40	20° 4	0♓36	17°46	25°34	25°11	9°43	15°42	23°37	13°10	29°30	1° 1	22°53	n.a.	F 18
S 19	10 47 15	13°33'41	4♋17	2°33	18°56	26°16	25°14	9°44	15°44	23°36	13°11	29°28	0°58	22°59	n.a.	S 19
S 20	10 51 12	14°31'40	18°47	4°32	20° 7	26°58	25°16	9°46	15°46	23°34	13°12	29°25	0°55	23° 6	n.a.	S 20
M21	10 55 8	15°29'37	3♌29	6°32	21°18	27°40	25°19	9°47	15°48	23°33	13°13	29°20	0°52	23°13	n.a.	M21
T 22	10 59 5	16°27'32	18°18	8°34	22°28	28°22	25°22	9°49	15°50	23°31	13°14	29°13	0°49	23°19	n.a.	T 22
W23	11 3 1	17°25'25	3♍ 6	10°37	23°39	29° 4	25°25	9°50	15°52	23°29	13°15	29° 7	0°45	23°26	n.a.	W23
T 24	11 6 58	18°23'17	17°44	12°42	24°49	29°46	25°28	9°51	15°55	23°28	13°16	29° 1	0°42	23°33	n.a.	T 24
F 25	11 10 54	19°21'06	2♎ 6	14°48	26° 0	0♈27	25°31	9°52	15°57	23°26	13°17	28°57	0°39	23°40	n.a.	F 25
S 26	11 14 51	20°18'54	16° 6	16°55	27°10	1° 9	25°35	9°53	15°59	23°25	13°17	28°55	0°36	23°46	n.a.	S 26
S 27	11 18 48	21°16'40	29°41	19° 3	28°20	1°51	25°38	9°54	16° 2	23°23	13°18	28°D54	0°33	23°53	n.a.	S 27
M28	11 22 44	22°14'25	12♏51	21°12	29°30	2°32	25°42	9°55	16° 4	23°21	13°19	28°55	0°30	24° 0	n.a.	M28
T 29	11 26 41	23°12'09	25°38	23°22	0♉40	3°14	25°46	9°55	16° 7	23°20	13°20	28°56	0°26	24° 6	n.a.	T 29
W30	11 30 37	24° 9'52	8♐ 5	25°32	1°50	3°55	25°50	9°56	16° 9	23°18	13°20	28°58	0°23	24°13	n.a.	W30
T 31	11 34 34	25♓ 7'33	20♐16	27♓43	2♉59	4♈37	25♊55	9♐56	16♉12	23♍16	13♑21	28°R59	0♉20	24♑20	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	13s 4	18s48	1s28	22s14	2s 9	1s 1	0n 0	7s 3	0s31	24n40	0n52	21s26	0n48	16n37	0s 6	4n22	2n 8	34s25	11s14	11n58	12n22	27s12			n.a.
W 2	12 44	22 56	2 29	21 56	2 12	0 29	0 3	6 46	0 30	24 40	0 52	21 26	0 48	16 37	0 6	4 22	2 8	34 26	11 14	11 58	12 21	27 12			n.a.
T 3	12 23	25 59	3 21	21 37	2 14	0n 3	0 6	6 29	0 30	24 39	0 52	21 27	0 48	16 37	0 6	4 23	2 8	34 26	11 14	11 57	12 20	27 11			n.a.
F 4	12 2	27 49	4 4	21 16	2 17	0 35	0 9	6 11	0 29	24 39	0 52	21 27	0 48	16 38	0 6	4 24	2 8	34 26	11 14	11 56	12 19	27 10			n.a.
S 5	11 42	28 21	4 36	20 53	2 18	1 7	0 13	5 54	0 28	24 39	0 52	21 28	0 48	16 38	0 6	4 24	2 9	34 26	11 15	11 54	12 17	27 9			n.a.
S 6	11 21	27 35	4 56	20 28	2 19	1 39	0 16	5 36	0 28	24 39	0 52	21 28	0 48	16 39	0 6	4 25	2 9	34 26	11 15	11 51	12 16	27 8			n.a.
M 7	10 59	25 33	5 4	20 2	2 20	2 11	0 19	5 19	0 27	24 39	0 52	21 29	0 48	16 39	0 6	4 25	2 9	34 26	11 15	11 48	12 15	27 7			n.a.
T 8	10 38	22 24	4 58	19 33	2 20	2 43	0 22	5 1	0 26	24 39	0 52	21 29	0 48	16 40	0 6	4 26	2 9	34 26	11 15	11 44	12 14	27 6			n.a.
W 9	10 17	18 16	4 39	19 3	2 19	3 14	0 25	4 44	0 26	24 39	0 52	21 29	0 48	16 40	0 6	4 27	2 9	34 26	11 16	11 40	12 13	27 5			n.a.
T 10	9 55	13 22	4 7	18 32	2 18	3 46	0 28	4 26	0 25	24 39	0 52	21 30	0 48	16 41	0 6	4 27	2 9	34 27	11 16	11 36	12 12	27 4			n.a.
F 11	9 33	7 53	3 23	17 58	2 17	4 18	0 32	4 9	0 25	24 39	0 52	21 30	0 48	16 41	0 6	4 28	2 9	34 27	11 16	11 33	12 11	27 3			n.a.
S 12	9 11	2 1	2 28	17 22	2 15	4 49	0 35	3 51	0 24	24 39	0 52	21 30	0 48	16 42	0 6	4 29	2 9	34 27	11 16	11 31	12 10	27 2			n.a.
S 13	8 49	4n 1	1 26	16 45	2 12	5 21	0 38	3 34	0 23	24 39	0 52	21 31	0 48	16 42	0 6	4 29	2 9	34 27	11 17	11 30	12 8	27 1			n.a.
M14	8 27	9 59	0 18	16 6	2 9	5 52	0 41	3 16	0 23	24 39	0 52	21 31	0 48	16 43	0 6	4 30	2 9	34 27	11 17	11 30	12 7	27 0			n.a.
T 15	8 5	15 39	0n52	15 25	2 5	6 23	0 44	2 59	0 22	24 39	0 51	21 31	0 48	16 43	0 6	4 31	2 9	34 27	11 17	11 30	12 6	26 59			n.a.
W16	7 42	20 42	2 1	14 42	2 1	6 54	0 48	2 41	0 22	24 39	0 51	21 32	0 48	16 44	0 6	4 31	2 9	34 27	11 18	11 30	12 5	26 58			n.a.
T 17	7 20	24 46	3 4	13 57	1 56	7 25	0 51	2 24	0 21	24 39	0 51	21 32	0 48	16 45	0 6	4 32	2 9	34 28	11 18	11 30	12 4	26 57			n.a.
F 18	6 57	27 28	3 58	13 11	1 50	7 56	0 54	2 6	0 20	24 39	0 51	21 32	0 48	16 45	0 6	4 33	2 9	34 28	11 18	11 30	12 3	26 56			n.a.
S 19	6 35	28 28	4 39	12 23	1 45	8 26	0 57	1 49	0 20	24 39	0 51	21 32	0 48	16 46	0 6	4 33	2 9	34 28	11 18	11 30	12 2	26 55			n.a.
S 20	6 12	27 33	5 3	11 33	1 38	8 56	1 0	1 31	0 19	24 39	0 51	21 33	0 48	16 47	0 6	4 34	2 9	34 28	11 19	11 28	12 1	26 53			n.a.
M21	5 49	24 43	5 7	10 41	1 31	9 26	1 4	1 13	0 18	24 40	0 51	21 33	0 48	16 47	0 6	4 35	2 9	34 28	11 19	11 26	11 59	26 52			n.a.
T 22	5 26	20 14	4 51	9 48	1 24	9 56	1 7	0 56	0 18	24 40	0 51	21 33	0 48	16 48	0 6	4 35	2 9	34 29	11 19	11 24	11 58	26 51			n.a.
W23	5 4	14 32	4 16	8 53	1 16	10 26	1 10	0 38	0 17	24 40	0 51	21 33	0 48	16 49	0 6	4 36	2 9	34 29	11 20	11 22	11 57	26 50			n.a.
T 24	4 41	8 4	3 24	7 57	1 7	10 55	1 13	0 21	0 17	24 40	0 51	21 33	0 48	16 49	0 6	4 37	2 9	34 29	11 20	11 20	11 56	26 49			n.a.
F 25	4 17	1 17	2 20	6 59	0 58	11 24	1 16	0 4	0 16	24 40	0 51	21 34	0 48	16 50	0 6	4 37	2 9	34 29	11 20	11 18	11 55	26 48			n.a.
S 26	3 54	5s23	1 9	6 1	0 49	11 53	1 19	0n14	0 15	24 40	0 51	21 34	0 48	16 51	0 6	4 38	2 9	34 29	11 20	11 17	11 54	26 47			n.a.
S 27	3 31	11 38	0s 4	5 1	0 39	12 21	1 22	0 31	0 15	24 40	0 51	21 34	0 48	16 51	0 6	4 38	2 9	34 30	11 21	11 17	11 53	26 46			n.a.
M28	3 8	17 11	1 15	4 0	0 29	12 50	1 25	0 49	0 14	24 40	0 51	21 34	0 48	16 52	0 6	4 39	2 9	34 30	11 21	11 17	11 52	26 45			n.a.
T 29	2 45	21 48	2 20	2 58	0 19	13 18	1 28	1 6	0 14	24 40	0 51	21 34	0 48	16 53	0 6	4 40	2 9	34 30	11 21	11 18	11 50	26 43			n.a.
W30	2 22	25 19	3 17	1 56	0 9	13 45	1 31	1 23	0 13	24 40	0 51	21 34	0 48	16 54	0 6	4 40	2 9	34 30	11 22	11 19	11 49	26 42			n.a.
T 31	1s58	27s35	4s 4	0s54	0n 2	14n13	1n34	1n41	0s12	24n40	0n51	21s34	0n48	16n54	0s 6	4n41	2n 9	34s31	11s22	11n19	11n48	26s41			n.a.

Julian Day Number = 1114071.5, Delta T = 10h49m15s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'41, Lahiri = -26°53'40 Julian Calendar 1 March 1663 BCE == Greg. Calendar 15 Feb. 1663 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

APRIL 1663 BCE (-1662) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 38 30	26♓ 5'13	2♉16	29♓53	4♉ 9	5♈18	25♊59	9♐56	16♉14	23°R15	13♉22	28°R59	0♉17	24♉27	n.a.	F 1
S 2	11 42 27	27° 2'51	14°10	2♈ 3	5°18	6° 0	26° 4	9°57	16°17	23♍13	13°23	28♈57	0°14	24°33	n.a.	S 2
S 3	11 46 23	28° 0'29	26° 3	4°12	6°28	6°41	26° 9	9°57	16°20	23°12	13°23	28°54	0°11	24°40	n.a.	S 3
M 4	11 50 20	28°58'05	7♒57	6°21	7°37	7°22	26°14	9°R57	16°22	23°10	13°24	28°51	0° 7	24°47	n.a.	M 4
T 5	11 54 17	29°55'40	19°58	8°28	8°46	8° 3	26°19	9°57	16°25	23° 8	13°24	28°46	0° 4	24°54	n.a.	T 5
W 6	11 58 13	0♈53'14	2♓ 8	10°33	9°55	8°45	26°24	9°57	16°28	23° 7	13°25	28°41	0° 1	25° 0	n.a.	W 6
T 7	12 2 10	1°50'46	14°28	12°38	11° 4	9°26	26°30	9°56	16°30	23° 5	13°26	28°37	29♈58	25° 7	n.a.	T 7
F 8	12 6 6	2°48'18	27° 2	14°40	12°13	10° 7	26°35	9°56	16°33	23° 4	13°26	28°33	29°55	25°14	n.a.	F 8
S 9	12 10 3	3°45'48	9♈48	16°40	13°22	10°48	26°41	9°56	16°36	23° 2	13°27	28°31	29°51	25°20	n.a.	S 9
S 10	12 13 59	4°43'16	22°48	18°37	14°31	11°29	26°47	9°55	16°39	23° 0	13°27	28°D30	29°48	25°27	n.a.	S 10
M11	12 17 56	5°40'44	6♉ 0	20°33	15°39	12°10	26°53	9°55	16°42	22°59	13°27	28°30	29°45	25°34	n.a.	M11
T 12	12 21 52	6°38'10	19°26	22°25	16°47	12°51	26°59	9°54	16°45	22°57	13°28	28°31	29°42	25°41	n.a.	T 12
W13	12 25 49	7°35'35	3♊ 4	24°15	17°56	13°32	27° 5	9°53	16°48	22°56	13°28	28°32	29°39	25°47	n.a.	W13
T 14	12 29 46	8°32'58	16°53	26° 3	19° 4	14°13	27°12	9°52	16°51	22°54	13°29	28°33	29°36	25°54	n.a.	T 14
F 15	12 33 42	9°30'20	0♋53	27°47	20°12	14°54	27°19	9°51	16°54	22°53	13°29	28°34	29°32	26° 1	n.a.	F 15
S 16	12 37 39	10°27'41	15° 3	29°29	21°20	15°34	27°25	9°50	16°57	22°51	13°29	28°R34	29°29	26° 8	n.a.	S 16
S 17	12 41 35	11°25'00	29°21	1♉ 7	22°27	16°15	27°32	9°49	17° 0	22°50	13°30	28°34	29°26	26°14	n.a.	S 17
M18	12 45 32	12°22'18	13♌43	2°43	23°35	16°56	27°39	9°47	17° 3	22°48	13°30	28°32	29°23	26°21	n.a.	M18
T 19	12 49 28	13°19'35	28° 7	4°16	24°42	17°36	27°46	9°46	17° 6	22°46	13°30	28°30	29°20	26°28	n.a.	T 19
W20	12 53 25	14°16'50	12♍27	5°45	25°50	18°17	27°54	9°45	17° 9	22°45	13°30	28°29	29°16	26°34	n.a.	W20
T 21	12 57 21	15°14'04	26°38	7°12	26°57	18°58	28° 1	9°43	17°13	22°44	13°31	28°27	29°13	26°41	n.a.	T 21
F 22	13 1 18	16°11'17	10♎37	8°36	28° 4	19°38	28° 8	9°41	17°16	22°42	13°31	28°26	29°10	26°48	n.a.	F 22
S 23	13 5 15	17° 8'30	24°20	9°56	29°10	20°19	28°16	9°40	17°19	22°41	13°31	28°D25	29° 7	26°55	n.a.	S 23
S 24	13 9 11	18° 5'41	7♏43	11°13	0♊17	20°59	28°24	9°38	17°22	22°39	13°31	28°26	29° 4	27° 1	n.a.	S 24
M25	13 13 8	19° 2'52	20°47	12°27	1°24	21°40	28°32	9°36	17°26	22°38	13°31	28°26	29° 1	27° 8	n.a.	M25
T 26	13 17 4	20° 0'02	3♐32	13°38	2°30	22°20	28°40	9°34	17°29	22°36	13°31	28°27	28°57	27°15	n.a.	T 26
W27	13 21 1	20°57'12	15°59	14°46	3°36	23° 0	28°48	9°32	17°32	22°35	13°31	28°28	28°54	27°21	n.a.	W27
T 28	13 24 57	21°54'22	28°12	15°50	4°42	23°41	28°56	9°29	17°36	22°34	13°31	28°28	28°51	27°28	n.a.	T 28
F 29	13 28 54	22°51'31	10♑14	16°50	5°48	24°21	29° 5	9°27	17°39	22°32	13°R31	28°29	28°48	27°35	n.a.	F 29
S 30	13 32 50	23♈48'39	22♑10	17♉48	6♊53	25♈ 1	29♊13	9♐25	17♉42	22♍31	13♑31	28°R29	28♈45	27♑42	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s35	28s31	4s39	0n 9	0n13	14n39	1n37	1n58	0s12	24n40	0n51	21s34	0n48	16n55	0s 6	4n42	2n 9	34s31	11s22	11n19	11n47	26s40		n.a.
S 2	1 12	28 7	5 2	1 11	0 23	15 6	1 40	2 15	0 11	24 41	0 51	21 34	0 48	16 56	0 6	4 42	2 9	34 31	11 23	11 18	11 46	26 39		n.a.
S 3	0 48	26 26	5 11	2 13	0 34	15 32	1 43	2 32	0 11	24 41	0 51	21 34	0 48	16 57	0 6	4 43	2 9	34 31	11 23	11 17	11 45	26 38		n.a.
M 4	0 25	23 34	5 8	3 14	0 44	15 58	1 45	2 50	0 10	24 41	0 51	21 34	0 48	16 57	0 6	4 44	2 9	34 32	11 23	11 16	11 44	26 36		n.a.
T 5	0 2	19 41	4 51	4 15	0 54	16 24	1 48	3 7	0 9	24 41	0 51	21 34	0 48	16 58	0 6	4 44	2 9	34 32	11 24	11 14	11 42	26 35		n.a.
W 6	0n22	14 57	4 21	5 14	1 4	16 49	1 51	3 24	0 9	24 41	0 50	21 34	0 48	16 59	0 6	4 45	2 9	34 32	11 24	11 13	11 41	26 34		n.a.
T 7	0 45	9 34	3 38	6 12	1 14	17 13	1 53	3 41	0 8	24 41	0 50	21 34	0 48	17 0	0 6	4 46	2 9	34 32	11 24	11 11	11 40	26 33		n.a.
F 8	1 8	3 42	2 44	7 9	1 23	17 38	1 56	3 58	0 8	24 41	0 50	21 34	0 48	17 1	0 6	4 46	2 9	34 33	11 25	11 10	11 39	26 32		n.a.
S 9	1 31	2n25	1 41	8 4	1 32	18 2	1 59	4 15	0 7	24 41	0 50	21 34	0 48	17 2	0 6	4 47	2 9	34 33	11 25	11 9	11 38	26 30		n.a.
S 10	1 55	8 33	0 31	8 58	1 40	18 25	2 1	4 32	0 6	24 41	0 50	21 34	0 48	17 2	0 6	4 48	2 9	34 33	11 25	11 8	11 37	26 29		n.a.
M11	2 18	14 25	0n41	9 49	1 47	18 48	2 3	4 49	0 6	24 41	0 50	21 34	0 48	17 3	0 5	4 48	2 9	34 33	11 26	11 8	11 36	26 28		n.a.
T 12	2 41	19 43	1 53	10 39	1 54	19 10	2 6	5 5	0 5	24 42	0 50	21 34	0 48	17 4	0 5	4 49	2 9	34 34	11 26	11 9	11 34	26 27		n.a.
W13	3 4	24 5	2 59	11 26	2 1	19 32	2 8	5 22	0 5	24 42	0 50	21 34	0 48	17 5	0 5	4 49	2 9	34 34	11 26	11 9	11 33	26 25		n.a.
T 14	3 27	27 8	3 56	12 12	2 6	19 54	2 10	5 39	0 4	24 42	0 50	21 34	0 48	17 6	0 5	4 50	2 9	34 34	11 27	11 10	11 32	26 24		n.a.
F 15	3 50	28 32	4 39	12 55	2 11	20 15	2 12	5 55	0 3	24 42	0 50	21 34	0 48	17 7	0 5	4 51	2 9	34 35	11 27	11 10	11 31	26 23		n.a.
S 16	4 13	28 6	5 6	13 36	2 15	20 36	2 14	6 12	0 3	24 42	0 50	21 33	0 48	17 8	0 5	4 51	2 9	34 35	11 27	11 10	11 30	26 22		n.a.
S 17	4 36	25 48	5 15	14 15	2 19	20 56	2 16	6 29	0 2	24 42	0 50	21 33	0 48	17 9	0 5	4 52	2 9	34 35	11 28	11 10	11 29	26 20		n.a.
M18	4 59	21 52	5 4	14 51	2 22	21 15	2 18	6 45	0 2	24 42	0 50	21 33	0 48	17 9	0 5	4 52	2 9	34 35	11 28	11 9	11 28	26 19		n.a.
T 19	5 21	16 38	4 34	15 26	2 24	21 34	2 20	7 1	0 1	24 42	0 50	21 33	0 48	17 10	0 5	4 53	2 9	34 36	11 28	11 9	11 26	26 18		n.a.
W20	5 44	10 30	3 47	15 58	2 25	21 52	2 22	7 18	0 0	24 42	0 50	21 33	0 48	17 11	0 5	4 54	2 9	34 36	11 29	11 8	11 25	26 16		n.a.
T 21	6 7	3 54	2 47	16 28	2 26	22 10	2 24	7 34	0n 0	24 42	0 50	21 32	0 48	17 12	0 5	4 54	2 9	34 36	11 29	11 7	11 24	26 15		n.a.
F 22	6 29	2s48	1 37	16 55	2 25	22 27	2 25	7 50	0 1	24 43	0 50	21 32	0 48	17 13	0 5	4 55	2 9	34 37	11 29	11 7	11 23	26 14		n.a.
S 23	6 51	9 15	0 23	17 21	2 24	22 44	2 27	8 6	0 1	24 43	0 50	21 32	0 48	17 14	0 5	4 55	2 9	34 37	11 30	11 7	11 22	26 12		n.a.
S 24	7 14	15 9	0s51	17 44	2 22	23 0	2 28	8 22	0 2	24 43	0 50	21 32	0 48	17 15	0 5	4 56	2 9	34 37	11 30	11 7	11 21	26 11		n.a.
M25	7 36	20 13	2 1	18 5	2 20	23 16	2 29	8 38	0 3	24 43	0 50	21 31	0 48	17 16	0 5	4 56	2 9	34 38	11 30	11 7	11 20	26 10		n.a.
T 26	7 58	24 14	3 2	18 24	2 17	23 31	2 31	8 54	0 3	24 43	0 50	21 31	0 48	17 17	0 5	4 57	2 9	34 38	11 31	11 7	11 18	26 8		n.a.
W27	8 20	27 1	3 54	18 40	2 12	23 45	2 32	9 10	0 4	24 43	0 50	21 31	0 48	17 18	0 5	4 57	2 9	34 38	11 31	11 8	11 17	26 7		n.a.
T 28	8 41	28 26	4 34	18 55	2 7	23 59	2 33	9 26	0 4	24 43	0 50	21 31	0 48	17 19	0 5	4 58	2 8	34 39	11 31	11 8	11 16	26 6		n.a.
F 29	9 3	28 29	5 1	19 7	2 2	24 12	2 34	9 41	0 5	24 43	0 50	21 30	0 48	17 20	0 5	4 58	2 8	34 39	11 32	11 8	11 15	26 4		n.a.
S 30	9n25	27s12	5s15	19n18	1n55	24n24	2n35	9n57	0n 6	24n43	0n50	21s30	0n47	17n21	0s 5	4n59	2n 8	34s39	11s32	11n 8	11n14	26s 3		n.a.

Julian Day Number = 1114102.5, Delta T = 10h49m13s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'36, Lahiri = -26°53'36 Julian Calendar 1 Apr. 1663 BCE == Greg. Calendar 18 March 1663 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

MAY 1663 BCE (-1662) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 36 47	24♈45'47	4♒ 3	18♉41	7♊59	25♈41	29♊22	9°R22	17♉46	22°R30	13°R31	28°R29	28♈42	27♋48	n.a.	S 1
M 2	13 40 44	25°42'55	15°59	19°31	9° 4	26°21	29°30	9♐20	17°49	22♍28	13♋31	28♈29	28°38	27°55	n.a.	M 2
T 3	13 44 40	26°40'03	28° 2	20°17	10° 9	27° 2	29°39	9°17	17°52	22°27	13°31	28°28	28°35	28° 2	n.a.	T 3
W 4	13 48 37	27°37'10	10♓16	20°59	11°14	27°42	29°48	9°15	17°56	22°26	13°31	28°28	28°32	28° 9	n.a.	W 4
T 5	13 52 33	28°34'17	22°44	21°37	12°18	28°22	29°57	9°12	17°59	22°24	13°31	28°D28	28°29	28°15	n.a.	T 5
F 6	13 56 30	29°31'23	5♈28	22°12	13°23	29° 2	0♌ 6	9° 9	18° 3	22°23	13°31	28°28	28°26	28°22	n.a.	F 6
S 7	14 0 26	0♉28'30	18°30	22°42	14°27	29°42	0°15	9° 6	18° 6	22°22	13°31	28°28	28°22	28°29	n.a.	S 7
S 8	14 4 23	1°25'36	1♉50	23° 7	15°31	0♉22	0°25	9° 3	18°10	22°21	13°30	28°R28	28°19	28°35	n.a.	S 8
M 9	14 8 20	2°22'42	15°27	23°28	16°34	1° 2	0°34	9° 0	18°13	22°20	13°30	28°28	28°16	28°42	n.a.	M 9
T 10	14 12 16	3°19'47	29°19	23°45	17°38	1°41	0°44	8°57	18°17	22°19	13°30	28°28	28°13	28°49	n.a.	T 10
W11	14 16 13	4°16'52	13♊23	23°58	18°41	2°21	0°53	8°54	18°20	22°17	13°30	28°27	28°10	28°56	n.a.	W11
T 12	14 20 9	5°13'57	27°34	24° 5	19°44	3° 1	1° 3	8°50	18°24	22°16	13°29	28°27	28° 7	29° 2	n.a.	T 12
F 13	14 24 6	6°11'01	11♋51	24°R 9	20°47	3°41	1°13	8°47	18°28	22°15	13°29	28°26	28° 3	29° 9	n.a.	F 13
S 14	14 28 2	7° 8'05	26° 8	24° 7	21°49	4°21	1°23	8°44	18°31	22°14	13°29	28°25	28° 0	29°16	n.a.	S 14
S 15	14 31 59	8° 5'09	10♌23	24° 1	22°52	5° 0	1°33	8°40	18°35	22°13	13°28	28°D25	27°57	29°23	n.a.	S 15
M16	14 35 56	9° 2'12	24°34	23°51	23°54	5°40	1°43	8°37	18°38	22°12	13°28	28°26	27°54	29°29	n.a.	M16
T 17	14 39 52	9°59'14	8♍37	23°36	24°55	6°20	1°53	8°33	18°42	22°11	13°27	28°26	27°51	29°36	n.a.	T 17
W18	14 43 49	10°56'16	22°32	23°18	25°56	6°59	2° 3	8°30	18°45	22°10	13°27	28°27	27°48	29°43	n.a.	W18
T 19	14 47 45	11°53'18	6♎16	22°55	26°57	7°39	2°14	8°26	18°49	22° 9	13°26	28°28	27°44	29°49	n.a.	T 19
F 20	14 51 42	12°50'20	19°49	22°29	27°58	8°18	2°24	8°22	18°53	22° 9	13°26	28°29	27°41	29°56	n.a.	F 20
S 21	14 55 38	13°47'22	3♏ 8	22° 0	28°58	8°58	2°35	8°18	18°56	22° 8	13°25	28°R29	27°38	0♒ 3	n.a.	S 21
S 22	14 59 35	14°44'24	16°12	21°28	29°58	9°37	2°45	8°14	19° 0	22° 7	13°25	28°28	27°35	0°10	n.a.	S 22
M23	15 3 31	15°41'26	29° 3	20°53	0♋58	10°17	2°56	8°11	19° 4	22° 6	13°24	28°27	27°32	0°16	n.a.	M23
T 24	15 7 28	16°38'29	11♐38	20°17	1°57	10°56	3° 7	8° 7	19° 7	22° 5	13°24	28°25	27°28	0°23	n.a.	T 24
W25	15 11 25	17°35'31	24° 0	19°40	2°56	11°35	3°18	8° 3	19°11	22° 4	13°23	28°22	27°25	0°30	n.a.	W25
T 26	15 15 21	18°32'35	6♑11	19° 3	3°55	12°15	3°29	7°59	19°14	22° 4	13°23	28°19	27°22	0°37	n.a.	T 26
F 27	15 19 18	19°29'38	18°12	18°26	4°53	12°54	3°40	7°54	19°18	22° 3	13°22	28°16	27°19	0°43	n.a.	F 27
S 28	15 23 14	20°26'43	0♒ 7	17°49	5°51	13°33	3°51	7°50	19°22	22° 2	13°21	28°14	27°16	0°50	n.a.	S 28
S 29	15 27 11	21°23'48	12° 0	17°14	6°48	14°13	4° 2	7°46	19°25	22° 2	13°21	28°12	27°13	0°57	n.a.	S 29
M30	15 31 7	22°20'53	23°56	16°41	7°45	14°52	4°13	7°42	19°29	22° 1	13°20	28°D12	27° 9	1° 3	n.a.	M30
T 31	15 35 4	23♉17'59	5♓58	16♉11	8♋41	15♉31	4♋24	7♐38	19♉33	22♍ 1	13♋19	28♈13	27♈ 6	1♒10	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	9n46	24s42	5s15	19n26	1n48	24n36	2n35	10n12	0n 6	24n43	0n50	21s30	0n47	17n22	0s 5	4n59	2n 8	34s40	11s32	11n 8	11n13	26s 2			n.a.
M 2	10 7	21 8	5 2	19 32	1 40	24 47	2 36	10 28	0 7	24 43	0 50	21 29	0 47	17 23	0 5	5 0	2 8	34 40	11 33	11 8	11 12	26 0			n.a.
T 3	10 28	16 40	4 36	19 37	1 31	24 58	2 36	10 43	0 7	24 43	0 50	21 29	0 47	17 24	0 5	5 0	2 8	34 40	11 33	11 8	11 10	25 59			n.a.
W 4	10 49	11 30	3 56	19 39	1 21	25 8	2 37	10 58	0 8	24 43	0 49	21 28	0 47	17 25	0 5	5 1	2 8	34 41	11 33	11 8	11 9	25 57			n.a.
T 5	11 10	5 46	3 5	19 39	1 11	25 17	2 37	11 13	0 8	24 43	0 49	21 28	0 47	17 26	0 5	5 1	2 8	34 41	11 34	11 8	11 8	25 56			n.a.
F 6	11 31	0n19	2 4	19 38	1 0	25 26	2 37	11 28	0 9	24 43	0 49	21 28	0 47	17 27	0 5	5 2	2 8	34 41	11 34	11 8	11 7	25 54			n.a.
S 7	11 51	6 32	0 55	19 34	0 48	25 34	2 37	11 43	0 10	24 43	0 49	21 27	0 47	17 28	0 5	5 2	2 8	34 42	11 34	11 8	11 6	25 53			n.a.
S 8	12 11	12 38	0n19	19 29	0 36	25 41	2 37	11 58	0 10	24 43	0 49	21 27	0 47	17 29	0 5	5 3	2 8	34 42	11 35	11 8	11 5	25 52			n.a.
M 9	12 32	18 15	1 33	19 22	0 23	25 48	2 37	12 13	0 11	24 43	0 49	21 26	0 47	17 30	0 5	5 3	2 8	34 42	11 35	11 8	11 3	25 50			n.a.
T 10	12 51	23 2	2 43	19 13	0 9	25 54	2 37	12 28	0 11	24 43	0 49	21 26	0 47	17 31	0 5	5 4	2 8	34 43	11 35	11 8	11 2	25 49			n.a.
W11	13 11	26 32	3 44	19 2	0s 5	25 59	2 36	12 42	0 12	24 43	0 49	21 25	0 47	17 32	0 5	5 4	2 8	34 43	11 36	11 8	11 1	25 47			n.a.
T 12	13 31	28 24	4 32	18 49	0 20	26 4	2 36	12 57	0 12	24 43	0 49	21 25	0 47	17 33	0 5	5 4	2 8	34 43	11 36	11 7	11 0	25 46			n.a.
F 13	13 50	28 23	5 3	18 35	0 35	26 8	2 35	13 11	0 13	24 42	0 49	21 24	0 47	17 34	0 5	5 5	2 8	34 44	11 36	11 7	10 59	25 44			n.a.
S 14	14 9	26 29	5 16	18 20	0 51	26 12	2 34	13 25	0 14	24 42	0 49	21 24	0 47	17 35	0 5	5 5	2 8	34 44	11 37	11 7	10 58	25 43			n.a.
S 15	14 28	22 55	5 9	18 3	1 7	26 14	2 33	13 39	0 14	24 42	0 49	21 23	0 47	17 36	0 5	5 6	2 8	34 44	11 37	11 7	10 57	25 41			n.a.
M16	14 47	18 2	4 44	17 45	1 23	26 16	2 32	13 53	0 15	24 42	0 49	21 23	0 47	17 37	0 5	5 6	2 8	34 45	11 37	11 7	10 55	25 40			n.a.
T 17	15 5	12 13	4 2	17 26	1 39	26 18	2 31	14 7	0 15	24 42	0 49	21 22	0 47	17 38	0 5	5 6	2 8	34 45	11 38	11 7	10 54	25 38			n.a.
W18	15 23	5 51	3 6	17 5	1 55	26 19	2 29	14 21	0 16	24 42	0 49	21 22	0 47	17 39	0 5	5 7	2 8	34 46	11 38	11 8	10 53	25 37			n.a.
T 19	15 41	0s43	2 0	16 44	2 11	26 19	2 28	14 35	0 16	24 42	0 49	21 21	0 47	17 40	0 5	5 7	2 8	34 46	11 38	11 8	10 52	25 35			n.a.
F 20	15 59	7 9	0 48	16 22	2 27	26 18	2 26	14 48	0 17	24 41	0 49	21 21	0 47	17 41	0 5	5 7	2 8	34 46	11 38	11 8	10 51	25 34			n.a.
S 21	16 17	13 11	0s26	16 0	2 42	26 17	2 24	15 2	0 18	24 41	0 49	21 20	0 47	17 42	0 5	5 7	2 7	34 47	11 39	11 8	10 50	25 32			n.a.
S 22	16 34	18 32	1 36	15 38	2 57	26 15	2 22	15 15	0 18	24 41	0 49	21 20	0 47	17 43	0 5	5 8	2 7	34 47	11 39	11 8	10 48	25 31			n.a.
M23	16 51	22 56	2 41	15 15	3 10	26 13	2 20	15 28	0 19	24 41	0 49	21 19	0 47	17 44	0 5	5 8	2 7	34 47	11 39	11 7	10 47	25 29			n.a.
T 24	17 7	26 10	3 36	14 53	3 23	26 10	2 17	15 42	0 19	24 40	0 49	21 19	0 46	17 45	0 5	5 8	2 7	34 48	11 40	11 7	10 46	25 28			n.a.
W25	17 24	28 5	4 20	14 32	3 35	26 6	2 15	15 55	0 20	24 40	0 49	21 18	0 46	17 46	0 5	5 9	2 7	34 48	11 40	11 6	10 45	25 26			n.a.
T 26	17 40	28 35	4 51	14 12	3 46	26 2	2 12	16 7	0 20	24 40	0 49	21 17	0 46	17 47	0 5	5 9	2 7	34 48	11 40	11 4	10 44	25 24			n.a.
F 27	17 56	27 44	5 9	13 52	3 55	25 57	2 9	16 20	0 21	24 40	0 49	21 17	0 46	17 48	0 5	5 9	2 7	34 49	11 41	11 3	10 43	25 23			n.a.
S 28	18 12	25 37	5 14	13 35	4 3	25 52	2 6	16 33	0 22	24 39	0 49	21 16	0 46	17 49	0 5	5 9	2 7	34 49	11 41	11 3	10 41	25 21			n.a.
S 29	18 27	22 23	5 5	13 19	4 10	25 46	2 3	16 45	0 22	24 39	0 49	21 15	0 46	17 50	0 5	5 9	2 7	34 50	11 41	11 2	10 40	25 20			n.a.
M30	18 42	18 14	4 43	13 5	4 15	25 39	2 0	16 58	0 23	24 38	0 49	21 15	0 46	17 51	0 5	5 10	2 7	34 50	11 41	11 2	10 39	25 18			n.a.
T 31	18n57	13s20	4s 9	12n53	4s18	25n32	1n56	17n10	0n23	24n38	0n49	21s14	0n46	17n52	0s 5	5n10	2n 7	34s50	11s42	11n 2	10n38	25s16			n.a.

Julian Day Number = 1114132.5, Delta T = 10h49m11s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'32, Lahiri = -26°53'32 Julian Calendar 1 May 1663 BCE == Greg. Calendar 17 Apr. 1663 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

JUNE 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 39 1	24♉15'06	18♓12	15°R44	9♋37	16♉10	4♋36	7°R34	19♉36	22°R 0	13°R18	28♈14	27♈ 3	1♒17	n.a.	W 1
T 2	15 42 57	25°12'13	0♈42	15♉21	10°33	16°49	4°47	7♐29	19°40	21♏59	13♑18	28°16	27° 0	1°24	n.a.	T 2
F 3	15 46 54	26° 9'22	13°32	15° 2	11°28	17°29	4°58	7°25	19°43	21°59	13°17	28°17	26°57	1°30	n.a.	F 3
S 4	15 50 50	27° 6'31	26°44	14°47	12°22	18° 8	5°10	7°21	19°47	21°58	13°16	28°R18	26°54	1°37	n.a.	S 4
S 5	15 54 47	28° 3'40	10♉19	14°37	13°16	18°47	5°21	7°16	19°51	21°58	13°15	28°17	26°50	1°44	n.a.	S 5
M 6	15 58 43	29° 0'51	24°17	14°D33	14°10	19°26	5°33	7°12	19°54	21°58	13°14	28°15	26°47	1°50	n.a.	M 6
T 7	16 2 40	29°58'03	8♊34	14°34	15° 3	20° 5	5°45	7° 7	19°58	21°57	13°13	28°12	26°44	1°57	n.a.	T 7
W 8	16 6 36	0♊55'15	23° 5	14°40	15°55	20°44	5°57	7° 3	20° 1	21°57	13°13	28° 8	26°41	2° 4	n.a.	W 8
T 9	16 10 33	1°52'27	7♋44	14°52	16°47	21°23	6° 8	6°59	20° 5	21°57	13°12	28° 3	26°38	2°11	n.a.	T 9
F 10	16 14 30	2°49'41	22°23	15° 9	17°38	22° 2	6°20	6°54	20° 9	21°56	13°11	27°58	26°34	2°17	n.a.	F 10
S 11	16 18 26	3°46'54	6♌57	15°33	18°28	22°41	6°32	6°50	20°12	21°56	13°10	27°55	26°31	2°24	n.a.	S 11
S 12	16 22 23	4°44'09	21°20	16° 2	19°18	23°19	6°44	6°45	20°16	21°56	13° 9	27°52	26°28	2°31	n.a.	S 12
M13	16 26 19	5°41'24	5♍29	16°37	20° 7	23°58	6°56	6°41	20°19	21°56	13° 8	27°D52	26°25	2°38	n.a.	M13
T 14	16 30 16	6°38'39	19°22	17°18	20°55	24°37	7° 8	6°36	20°23	21°55	13° 7	27°52	26°22	2°44	n.a.	T 14
W15	16 34 12	7°35'55	3♎ 0	18° 4	21°42	25°16	7°21	6°32	20°26	21°55	13° 6	27°53	26°19	2°51	n.a.	W15
T 16	16 38 9	8°33'11	16°23	18°56	22°29	25°55	7°33	6°27	20°30	21°55	13° 5	27°55	26°15	2°58	n.a.	T 16
F 17	16 42 6	9°30'29	29°32	19°54	23°15	26°33	7°45	6°23	20°33	21°55	13° 4	27°R55	26°12	3° 4	n.a.	F 17
S 18	16 46 2	10°27'47	12♏29	20°57	24° 0	27°12	7°57	6°18	20°37	21°D55	13° 3	27°54	26° 9	3°11	n.a.	S 18
S 19	16 49 59	11°25'06	25°13	22° 6	24°44	27°51	8°10	6°14	20°40	21°55	13° 2	27°51	26° 6	3°18	n.a.	S 19
M20	16 53 55	12°22'26	7♐47	23°20	25°27	28°30	8°22	6°10	20°44	21°55	13° 1	27°46	26° 3	3°25	n.a.	M20
T 21	16 57 52	13°19'48	20°10	24°38	26° 9	29° 8	8°34	6° 5	20°47	21°55	13° 0	27°39	26° 0	3°31	n.a.	T 21
W22	17 1 48	14°17'10	2♑23	26° 2	26°51	29°47	8°47	6° 1	20°50	21°55	12°59	27°31	25°56	3°38	n.a.	W22
T 23	17 5 45	15°14'34	14°28	27°31	27°31	0♊25	8°59	5°56	20°54	21°56	12°57	27°22	25°53	3°45	n.a.	T 23
F 24	17 9 41	16°11'59	26°26	29° 4	28°10	1° 4	9°12	5°52	20°57	21°56	12°56	27°14	25°50	3°52	n.a.	F 24
S 25	17 13 38	17° 9'26	8♒19	0♊41	28°48	1°42	9°24	5°48	21° 1	21°56	12°55	27° 7	25°47	3°58	n.a.	S 25
S 26	17 17 35	18° 6'54	20°11	2°22	29°25	2°21	9°37	5°43	21° 4	21°56	12°54	27° 1	25°44	4° 5	n.a.	S 26
M27	17 21 31	19° 4'23	2♓ 4	4° 7	0♌ 0	2°59	9°49	5°39	21° 7	21°56	12°53	26°57	25°40	4°12	n.a.	M27
T 28	17 25 28	20° 1'54	14° 4	5°55	0°35	3°38	10° 2	5°35	21°10	21°57	12°52	26°55	25°37	4°18	n.a.	T 28
W29	17 29 24	20°59'27	26°16	7°47	1° 8	4°16	10°15	5°31	21°14	21°57	12°51	26°D55	25°34	4°25	n.a.	W29
T 30	17 33 21	21♊57'01	8♈43	9♊40	1♌39	4♊55	10♋28	5♐26	21♉17	21♏57	12♑49	26♈56	25♈31	4♒32	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19n11	7s50	3s22	12n43	4s20	25n24	1n53	17n22	0n24	24n38	0n49	21s14	0n46	17n53	0s 5	5n10	2n 7	34s51	11s42	11n 3	10n37	25s15		n.a.
T 2	19 25	1 56	2 25	12 36	4 20	25 16	1 49	17 34	0 24	24 37	0 49	21 13	0 46	17 54	0 5	5 10	2 7	34 51	11 42	11 3	10 36	25 13		n.a.
F 3	19 39	4n13	1 20	12 31	4 19	25 7	1 45	17 46	0 25	24 37	0 49	21 12	0 46	17 55	0 5	5 10	2 7	34 51	11 42	11 4	10 34	25 12		n.a.
S 4	19 53	10 22	0 9	12 29	4 17	24 58	1 40	17 57	0 25	24 36	0 49	21 12	0 46	17 56	0 5	5 10	2 7	34 52	11 43	11 4	10 33	25 10		n.a.
S 5	20 6	16 13	1n 5	12 30	4 13	24 48	1 36	18 9	0 26	24 36	0 49	21 11	0 46	17 57	0 5	5 11	2 7	34 52	11 43	11 4	10 32	25 8		n.a.
M 6	20 19	21 25	2 17	12 33	4 8	24 38	1 31	18 20	0 27	24 35	0 49	21 10	0 46	17 58	0 5	5 11	2 7	34 52	11 43	11 3	10 31	25 7		n.a.
T 7	20 31	25 28	3 22	12 40	4 2	24 27	1 26	18 32	0 27	24 35	0 49	21 10	0 46	17 59	0 5	5 11	2 6	34 53	11 44	11 2	10 30	25 5		n.a.
W 8	20 44	27 57	4 15	12 49	3 55	24 16	1 21	18 43	0 28	24 34	0 49	21 9	0 45	18 0	0 5	5 11	2 6	34 53	11 44	11 0	10 29	25 3		n.a.
T 9	20 56	28 31	4 52	13 0	3 46	24 4	1 16	18 54	0 28	24 34	0 49	21 8	0 45	18 1	0 5	5 11	2 6	34 53	11 44	10 59	10 27	25 2		n.a.
F 10	21 7	27 4	5 9	13 14	3 37	23 52	1 11	19 5	0 29	24 33	0 49	21 8	0 45	18 2	0 5	5 11	2 6	34 54	11 44	10 57	10 26	25 0		n.a.
S 11	21 18	23 49	5 7	13 31	3 27	23 40	1 5	19 15	0 29	24 33	0 49	21 7	0 45	18 3	0 5	5 11	2 6	34 54	11 45	10 56	10 25	24 58		n.a.
S 12	21 29	19 9	4 45	13 50	3 16	23 27	0 59	19 26	0 30	24 32	0 49	21 6	0 45	18 4	0 5	5 11	2 6	34 54	11 45	10 55	10 24	24 57		n.a.
M13	21 40	13 29	4 7	14 11	3 4	23 14	0 53	19 36	0 30	24 32	0 49	21 6	0 45	18 5	0 5	5 11	2 6	34 55	11 45	10 55	10 23	24 55		n.a.
T 14	21 50	7 15	3 14	14 34	2 52	23 0	0 47	19 47	0 31	24 31	0 49	21 5	0 45	18 6	0 5	5 11	2 6	34 55	11 45	10 55	10 22	24 53		n.a.
W15	21 59	0 47	2 11	14 59	2 39	22 46	0 40	19 57	0 31	24 30	0 49	21 4	0 45	18 7	0 5	5 11	2 6	34 55	11 45	10 55	10 20	24 51		n.a.
T 16	22 9	5s36	1 2	15 27	2 26	22 32	0 34	20 7	0 32	24 30	0 49	21 4	0 45	18 8	0 5	5 11	2 6	34 56	11 46	10 56	10 19	24 50		n.a.
F 17	22 18	11 39	0s 9	15 55	2 13	22 17	0 27	20 17	0 32	24 29	0 49	21 3	0 45	18 9	0 5	5 11	2 6	34 56	11 46	10 56	10 18	24 48		n.a.
S 18	22 26	17 6	1 18	16 25	1 59	22 2	0 20	20 26	0 33	24 28	0 49	21 2	0 45	18 10	0 5	5 11	2 6	34 56	11 46	10 55	10 17	24 46		n.a.
S 19	22 34	21 43	2 22	16 57	1 45	21 47	0 12	20 36	0 34	24 27	0 49	21 2	0 44	18 11	0 5	5 11	2 6	34 57	11 46	10 54	10 16	24 44		n.a.
M20	22 42	25 17	3 18	17 29	1 31	21 31	0 5	20 45	0 34	24 27	0 50	21 1	0 44	18 12	0 5	5 11	2 6	34 57	11 47	10 53	10 15	24 43		n.a.
T 21	22 50	27 34	4 4	18 2	1 17	21 16	0s 3	20 54	0 35	24 26	0 50	21 0	0 44	18 13	0 5	5 11	2 6	34 57	11 47	10 50	10 13	24 41		n.a.
W22	22 57	28 30	4 38	18 36	1 3	21 0	0 11	21 3	0 35	24 25	0 50	21 0	0 44	18 14	0 5	5 11	2 5	34 58	11 47	10 47	10 12	24 39		n.a.
T 23	23 3	28 2	4 59	19 10	0 50	20 44	0 20	21 12	0 36	24 24	0 50	20 59	0 44	18 14	0 5	5 10	2 5	34 58	11 47	10 44	10 11	24 37		n.a.
F 24	23 10	26 16	5 6	19 44	0 36	20 27	0 28	21 21	0 36	24 23	0 50	20 58	0 44	18 15	0 5	5 10	2 5	34 58	11 47	10 41	10 10	24 36		n.a.
S 25	23 15	23 21	5 1	20 18	0 23	20 11	0 37	21 29	0 37	24 23	0 50	20 58	0 44	18 16	0 5	5 10	2 5	34 59	11 47	10 38	10 9	24 34		n.a.
S 26	23 21	19 29	4 42	20 52	0 10	19 54	0 46	21 38	0 37	24 22	0 50	20 57	0 44	18 17	0 5	5 10	2 5	34 59	11 48	10 36	10 8	24 32		n.a.
M27	23 26	14 50	4 11	21 25	0n 2	19 38	0 55	21 46	0 38	24 21	0 50	20 56	0 44	18 18	0 5	5 10	2 5	34 59	11 48	10 35	10 6	24 30		n.a.
T 28	23 30	9 35	3 29	21 56	0 14	19 21	1 5	21 54	0 38	24 20	0 50	20 56	0 44	18 19	0 5	5 10	2 5	34 59	11 48	10 34	10 5	24 28		n.a.
W29	23 35	1 54	2 37	22 26	0 26	19 4	1 15	22 2	0 39	24 19	0 50	20 55	0 43	18 20	0 5	5 10	2 5	35 0	11 48	10 34	10 4	24 27		n.a.
T 30	23n38	2n 3	1s36	22n55	0n36	18n47	1s25	22n10	0n39	24n18	0n50	20s54	0n43	18n21	0s 5	5n 9	2n 5	35s 0	11s48	10n34	10n 3	24s25		n.a.

Julian Day Number = 1114163.5, Delta T = 10h49m09s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'28, Lahiri = -26°53'28 Julian Calendar 1 June 1663 BCE == Greg. Calendar 18 May 1663 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

JULY 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 37 17	22♊54'36	21♈32	11♊36	2♌10	5♊33	10♋40	5°R22	21♉20	21♍58	12°R48	26°R57	25♈28	4♒39	n.a.	F 1
S 2	17 41 14	23°52'14	4♉46	13°34	2°39	6°12	10°53	5♐18	21°23	21°58	12♏47	26♈57	25°25	4°45	n.a.	S 2
S 3	17 45 10	24°49'53	18°26	15°34	3° 6	6°50	11° 6	5°14	21°27	21°59	12°46	26°55	25°21	4°52	n.a.	S 3
M 4	17 49 7	25°47'34	2♊35	17°34	3°32	7°28	11°19	5°10	21°30	21°59	12°45	26°51	25°18	4°59	n.a.	M 4
T 5	17 53 4	26°45'17	17° 8	19°35	3°56	8° 7	11°32	5° 6	21°33	22° 0	12°43	26°44	25°15	5° 6	n.a.	T 5
W 6	17 57 0	27°43'01	2♋ 0	21°37	4°18	8°45	11°44	5° 2	21°36	22° 0	12°42	26°36	25°12	5°12	n.a.	W 6
T 7	18 0 57	28°40'47	17° 3	23°38	4°39	9°23	11°57	4°58	21°39	22° 1	12°41	26°27	25° 9	5°19	n.a.	T 7
F 8	18 4 53	29°38'35	2♌ 6	25°40	4°58	10° 2	12°10	4°54	21°42	22° 1	12°40	26°18	25° 6	5°26	n.a.	F 8
S 9	18 8 50	0♋36'23	17° 1	27°42	5°15	10°40	12°23	4°50	21°45	22° 2	12°38	26°10	25° 2	5°32	n.a.	S 9
S 10	18 12 46	1°34'13	1♍39	29°42	5°31	11°18	12°36	4°47	21°48	22° 3	12°37	26° 4	24°59	5°39	n.a.	S 10
M11	18 16 43	2°32'05	15°56	1♋42	5°44	11°56	12°49	4°43	21°51	22° 3	12°36	26° 1	24°56	5°46	n.a.	M11
T 12	18 20 40	3°29'57	29°50	3°42	5°55	12°34	13° 2	4°39	21°54	22° 4	12°35	26°D 0	24°53	5°53	n.a.	T 12
W13	18 24 36	4°27'51	13♎22	5°40	6° 4	13°13	13°15	4°36	21°57	22° 5	12°33	26° 0	24°50	5°59	n.a.	W13
T 14	18 28 33	5°25'47	26°34	7°38	6°11	13°51	13°28	4°32	22° 0	22° 6	12°32	26°R 1	24°46	6° 6	n.a.	T 14
F 15	18 32 29	6°23'44	9♏28	9°34	6°16	14°29	13°41	4°29	22° 3	22° 7	12°31	26° 0	24°43	6°13	n.a.	F 15
S 16	18 36 26	7°21'43	22° 8	11°29	6°18	15° 7	13°54	4°25	22° 6	22° 7	12°29	25°57	24°40	6°19	n.a.	S 16
S 17	18 40 22	8°19'43	4♐36	13°23	6°R18	15°45	14° 7	4°22	22° 8	22° 8	12°28	25°52	24°37	6°26	n.a.	S 17
M18	18 44 19	9°17'45	16°54	15°15	6°16	16°23	14°20	4°19	22°11	22° 9	12°27	25°44	24°34	6°33	n.a.	M18
T 19	18 48 15	10°15'48	29° 5	17° 7	6°11	17° 1	14°34	4°16	22°14	22°10	12°26	25°33	24°31	6°40	n.a.	T 19
W20	18 52 12	11°13'54	11♑ 9	18°57	6° 5	17°39	14°47	4°13	22°16	22°11	12°24	25°20	24°27	6°46	n.a.	W20
T 21	18 56 9	12°12'01	23° 7	20°46	5°55	18°17	15° 0	4°10	22°19	22°12	12°23	25° 7	24°24	6°53	n.a.	T 21
F 22	19 0 5	13°10'11	5♒ 2	22°34	5°43	18°55	15°13	4° 7	22°22	22°13	12°22	24°53	24°21	7° 0	n.a.	F 22
S 23	19 4 2	14° 8'22	16°53	24°20	5°29	19°33	15°26	4° 4	22°24	22°14	12°20	24°41	24°18	7° 7	n.a.	S 23
S 24	19 7 58	15° 6'35	28°44	26° 6	5°13	20°11	15°39	4° 1	22°27	22°15	12°19	24°32	24°15	7°13	n.a.	S 24
M25	19 11 55	16° 4'50	10♓37	27°50	4°54	20°49	15°52	3°58	22°29	22°17	12°18	24°24	24°12	7°20	n.a.	M25
T 26	19 15 51	17° 3'08	22°37	29°33	4°33	21°27	16° 5	3°56	22°32	22°18	12°17	24°20	24° 8	7°27	n.a.	T 26
W27	19 19 48	18° 1'27	4♈46	1♌14	4°10	22° 5	16°18	3°53	22°34	22°19	12°15	24°18	24° 5	7°33	n.a.	W27
T 28	19 23 44	18°59'49	17°10	2°55	3°45	22°43	16°31	3°50	22°37	22°20	12°14	24°18	24° 2	7°40	n.a.	T 28
F 29	19 27 41	19°58'14	29°54	4°34	3°18	23°20	16°45	3°48	22°39	22°21	12°13	24°18	23°59	7°47	n.a.	F 29
S 30	19 31 37	20°56'40	13♉ 3	6°13	2°50	23°58	16°58	3°46	22°41	22°23	12°11	24°17	23°56	7°54	n.a.	S 30
S 31	19 35 34	21♋55'09	26♉40	7♌50	2♌19	24♊36	17♋11	3♐44	22♉43	22♍24	12♏10	24♈14	23♈52	8♒ 0	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n42	8n 6	0s29	23n22	0n46	18n31	1s35	22n17	0n40	24n17	0n50	20s54	0n43	18n22	0s 5	5n 9	2n 5	35s 0	11s48	10n35	10n 2	24s23		n.a.
S 2	23 45	14 0	0n42	23 47	0 56	18 14	1 45	22 25	0 40	24 16	0 50	20 53	0 43	18 22	0 5	5 9	2 5	35 1	11 49	10 35	10 0	24 21		n.a.
S 3	23 47	19 26	1 52	24 9	1 4	17 57	1 56	22 32	0 41	24 15	0 50	20 52	0 43	18 23	0 5	5 9	2 5	35 1	11 49	10 34	9 59	24 19		n.a.
M 4	23 49	23 59	2 58	24 30	1 12	17 40	2 7	22 39	0 41	24 14	0 50	20 52	0 43	18 24	0 5	5 8	2 5	35 1	11 49	10 32	9 58	24 17		n.a.
T 5	23 51	27 9	3 54	24 47	1 19	17 24	2 18	22 46	0 42	24 13	0 50	20 51	0 43	18 25	0 5	5 8	2 5	35 1	11 49	10 30	9 57	24 16		n.a.
W 6	23 52	28 29	4 36	25 2	1 25	17 7	2 30	22 53	0 43	24 12	0 50	20 51	0 43	18 26	0 5	5 8	2 5	35 2	11 49	10 27	9 56	24 14		n.a.
T 7	23 53	27 43	4 59	25 15	1 31	16 51	2 42	22 59	0 43	24 10	0 50	20 50	0 42	18 27	0 5	5 8	2 4	35 2	11 49	10 23	9 55	24 12		n.a.
F 8	23 53	24 57	5 2	25 24	1 35	16 35	2 53	23 5	0 44	24 9	0 50	20 49	0 42	18 27	0 5	5 7	2 4	35 2	11 49	10 20	9 53	24 10		n.a.
S 9	23 53	20 31	4 44	25 31	1 39	16 19	3 6	23 12	0 44	24 8	0 50	20 49	0 42	18 28	0 5	5 7	2 4	35 2	11 50	10 17	9 52	24 8		n.a.
S 10	23 53	14 55	4 7	25 36	1 42	16 3	3 18	23 18	0 45	24 7	0 50	20 48	0 42	18 29	0 5	5 7	2 4	35 3	11 50	10 15	9 51	24 6		n.a.
M11	23 52	8 39	3 16	25 38	1 45	15 48	3 30	23 23	0 45	24 6	0 50	20 48	0 42	18 30	0 5	5 6	2 4	35 3	11 50	10 14	9 50	24 4		n.a.
T 12	23 51	2 7	2 14	25 37	1 47	15 33	3 43	23 29	0 46	24 5	0 50	20 47	0 42	18 31	0 5	5 6	2 4	35 3	11 50	10 14	9 49	24 2		n.a.
W13	23 49	4s21	1 7	25 34	1 48	15 18	3 56	23 35	0 46	24 3	0 51	20 47	0 42	18 31	0 5	5 5	2 4	35 3	11 50	10 14	9 47	24 1		n.a.
T 14	23 47	10 29	0s 3	25 28	1 48	15 4	4 9	23 40	0 47	24 2	0 51	20 46	0 42	18 32	0 5	5 5	2 4	35 4	11 50	10 14	9 46	23 59		n.a.
F 15	23 44	16 2	1 11	25 20	1 48	14 50	4 22	23 45	0 47	24 1	0 51	20 45	0 41	18 33	0 5	5 5	2 4	35 4	11 50	10 14	9 45	23 57		n.a.
S 16	23 41	20 48	2 14	25 10	1 47	14 36	4 35	23 50	0 48	23 59	0 51	20 45	0 41	18 34	0 5	5 4	2 4	35 4	11 50	10 13	9 44	23 55		n.a.
S 17	23 37	24 33	3 9	24 58	1 46	14 23	4 49	23 55	0 48	23 58	0 51	20 44	0 41	18 34	0 5	5 4	2 4	35 4	11 50	10 11	9 43	23 53		n.a.
M18	23 33	27 8	3 55	24 44	1 44	14 11	5 2	23 59	0 49	23 57	0 51	20 44	0 41	18 35	0 5	5 3	2 4	35 4	11 50	10 7	9 42	23 51		n.a.
T 19	23 29	28 22	4 29	24 27	1 42	13 59	5 15	24 4	0 49	23 55	0 51	20 44	0 41	18 36	0 5	5 3	2 4	35 5	11 50	10 3	9 40	23 49		n.a.
W20	23 24	28 15	4 51	24 10	1 39	13 48	5 29	24 8	0 50	23 54	0 51	20 43	0 41	18 37	0 5	5 3	2 4	35 5	11 50	9 59	9 39	23 47		n.a.
T 21	23 19	26 47	5 0	23 50	1 36	13 37	5 42	24 12	0 50	23 52	0 51	20 43	0 41	18 37	0 5	5 2	2 4	35 5	11 50	9 54	9 38	23 45		n.a.
F 22	23 13	24 8	4 55	23 29	1 33	13 28	5 55	24 16	0 51	23 51	0 51	20 42	0 41	18 38	0 5	5 2	2 3	35 5	11 51	9 49	9 37	23 43		n.a.
S 23	23 7	20 28	4 38	23 6	1 29	13 18	6 8	24 19	0 51	23 50	0 51	20 42	0 40	18 39	0 5	5 1	2 3	35 5	11 51	9 44	9 36	23 41		n.a.
S 24	23 1	16 0	4 9	22 43	1 24	13 10	6 21	24 23	0 52	23 48	0 51	20 41	0 40	18 39	0 5	5 1	2 3	35 6	11 51	9 41	9 34	23 39		n.a.
M25	22 54	10 56	3 29	22 17	1 20	13 2	6 33	24 26	0 52	23 47	0 51	20 41	0 40	18 40	0 5	5 0	2 3	35 6	11 51	9 38	9 33	23 37		n.a.
T 26	22 47	5 25	2 39	21 51	1 15	12 55	6 46	24 29	0 53	23 45	0 51	20 41	0 40	18 41	0 5	5 0	2 3	35 6	11 51	9 36	9 32	23 35		n.a.
W27	22 39	0n23	1 41	21 23	1 10	12 49	6 57	24 32	0 53	23 44	0 52	20 40	0 40	18 41	0 4	4 59	2 3	35 6	11 51	9 36	9 31	23 33		n.a.
T 28	22 31	6 17	0 38	20 55	1 4	12 44	7 9	24 35	0 54	23 42	0 52	20 40	0 40	18 42	0 4	4 59	2 3	35 6	11 51	9 35	9 30	23 31		n.a.
F 29	22 22	12 7	0n30	20 25	0 58	12 39	7 20	24 37	0 54	23 40	0 52	20 40	0 40	18 42	0 4	4 58	2 3	35 6	11 51	9 35	9 28	23 29		n.a.
S 30	22 13	17 35	1 37	19 55	0 52	12 36	7 30	24 40	0 55	23 39	0 52	20 39	0 39	18 43	0 4	4 57	2 3	35 6	11 51	9 35	9 27	23 27		n.a.
S 31	22n 4	22n24	2n42	19n24	0n46	12n33	7s40	24n42	0n55	23n37	0n52	20s39	0n39	18n44	0s 4	4n57	2n 3	35s 7	11s51	9n34	9n26	23s25		n.a.

Julian Day Number = 1114193.5, Delta T = 10h49m07s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'24, Lahiri = -26°53'24 Julian Calendar 1 July 1663 BCE == Greg. Calendar 17 June 1663 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

AUGUST 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 39 31	22♋53'41	10♊47	9♌26	1°R47	25♊14	17♋24	3°R41	22♉46	22♍25	12°R 9	24°R 9	23♈49	8♒ 7	n.a.	M 1
T 2	19 43 27	23°52'14	25°22	11° 1	1♌14	25°52	17°37	3♐39	22°48	22°27	12♎ 8	24♈ 1	23°46	8°14	n.a.	T 2
W 3	19 47 24	24°50'50	10♋21	12°34	0°40	26°29	17°50	3°37	22°50	22°28	12° 6	23°51	23°43	8°20	n.a.	W 3
T 4	19 51 20	25°49'29	25°36	14° 7	0° 4	27° 7	18° 3	3°35	22°52	22°29	12° 5	23°40	23°40	8°27	n.a.	T 4
F 5	19 55 17	26°48'09	10♌54	15°39	29♋29	27°45	18°16	3°34	22°54	22°31	12° 4	23°29	23°37	8°34	n.a.	F 5
S 6	19 59 13	27°46'51	26° 6	17° 9	28°52	28°23	18°29	3°32	22°56	22°32	12° 3	23°20	23°33	8°41	n.a.	S 6
S 7	20 3 10	28°45'35	11♍ 0	18°39	28°16	29° 0	18°42	3°30	22°58	22°34	12° 1	23°12	23°30	8°47	n.a.	S 7
M 8	20 7 6	29°44'21	25°30	20° 7	27°39	29°38	18°55	3°29	23° 0	22°35	12° 0	23° 8	23°27	8°54	n.a.	M 8
T 9	20 11 3	0♌43'09	9♎33	21°34	27° 3	0♋16	19° 8	3°27	23° 2	22°37	11°59	23° 6	23°24	9° 1	n.a.	T 9
W10	20 15 0	1°41'58	23° 9	23° 1	26°27	0°53	19°21	3°26	23° 4	22°38	11°58	23°D 5	23°21	9° 8	n.a.	W10
T 11	20 18 56	2°40'50	6♏20	24°26	25°52	1°31	19°34	3°25	23° 6	22°40	11°56	23°R 5	23°17	9°14	n.a.	T 11
F 12	20 22 53	3°39'43	19° 9	25°49	25°18	2° 8	19°47	3°24	23° 7	22°42	11°55	23° 5	23°14	9°21	n.a.	F 12
S 13	20 26 49	4°38'39	1♐41	27°12	24°45	2°46	20° 0	3°23	23° 9	22°43	11°54	23° 2	23°11	9°28	n.a.	S 13
S 14	20 30 46	5°37'36	14° 0	28°34	24°13	3°23	20°13	3°22	23°11	22°45	11°53	22°57	23° 8	9°34	n.a.	S 14
M15	20 34 42	6°36'35	26° 8	29°54	23°43	4° 1	20°26	3°21	23°12	22°46	11°52	22°49	23° 5	9°41	n.a.	M15
T 16	20 38 39	7°35'37	8♑ 9	1♍13	23°15	4°38	20°38	3°20	23°14	22°48	11°51	22°38	23° 2	9°48	n.a.	T 16
W17	20 42 35	8°34'40	20° 6	2°30	22°48	5°16	20°51	3°20	23°15	22°50	11°50	22°25	22°58	9°55	n.a.	W17
T 18	20 46 32	9°33'46	2♒ 0	3°46	22°24	5°53	21° 4	3°19	23°17	22°52	11°48	22°12	22°55	10° 1	n.a.	T 18
F 19	20 50 28	10°32'54	13°53	5° 0	22° 1	6°31	21°17	3°19	23°18	22°53	11°47	21°58	22°52	10° 8	n.a.	F 19
S 20	20 54 25	11°32'03	25°45	6°13	21°41	7° 8	21°30	3°18	23°19	22°55	11°46	21°46	22°49	10°15	n.a.	S 20
S 21	20 58 22	12°31'16	7♓38	7°25	21°23	7°46	21°42	3°18	23°21	22°57	11°45	21°36	22°46	10°21	n.a.	S 21
M22	21 2 18	13°30'30	19°36	8°34	21° 8	8°23	21°55	3°18	23°22	22°59	11°44	21°29	22°43	10°28	n.a.	M22
T 23	21 6 15	14°29'47	1♈38	9°41	20°55	9° 0	22° 7	3°D18	23°23	23° 1	11°43	21°25	22°39	10°35	n.a.	T 23
W24	21 10 11	15°29'06	13°51	10°47	20°44	9°38	22°20	3°18	23°24	23° 3	11°42	21°23	22°36	10°42	n.a.	W24
T 25	21 14 8	16°28'27	26°15	11°50	20°36	10°15	22°33	3°18	23°25	23° 4	11°41	21°D23	22°33	10°48	n.a.	T 25
F 26	21 18 4	17°27'52	8♉58	12°51	20°30	10°53	22°45	3°18	23°26	23° 6	11°40	21°23	22°30	10°55	n.a.	F 26
S 27	21 22 1	18°27'18	22° 1	13°49	20°27	11°30	22°58	3°19	23°27	23° 8	11°39	21°R23	22°27	11° 2	n.a.	S 27
S 28	21 25 57	19°26'47	5♊30	14°44	20°D26	12° 7	23°10	3°19	23°28	23°10	11°38	21°22	22°23	11° 8	n.a.	S 28
M29	21 29 54	20°26'19	19°27	15°36	20°27	12°44	23°22	3°20	23°29	23°12	11°37	21°19	22°20	11°15	n.a.	M29
T 30	21 33 50	21°25'53	3♋52	16°24	20°31	13°22	23°35	3°20	23°30	23°14	11°36	21°13	22°17	11°22	n.a.	T 30
W31	21 37 47	22♌25'30	18♋42	17♍ 9	20♋37	13♋59	23♋47	3♐21	23♉31	23♍16	11♑35	21♈ 6	22♈14	11♒29	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	21n54	26n 6	3n39	18n52	0n40	12n31	7s49	24n44	0n56	23n36	0n52	20s39	0n39	18n44	0s 4	4n56	2n 3	35s 7	11s51	9n32	9n25	23s23			n.a.
T 2	21 44	28 12	4 24	18 19	0 33	12 30	7 58	24 46	0 56	23 34	0 52	20 39	0 39	18 45	0 4	4 56	2 3	35 7	11 51	9 29	9 24	23 21			n.a.
W 3	21 34	28 20	4 52	17 46	0 26	12 29	8 5	24 47	0 57	23 32	0 52	20 38	0 39	18 45	0 4	4 55	2 3	35 7	11 51	9 26	9 22	23 19			n.a.
T 4	21 23	26 20	5 0	17 12	0 19	12 30	8 12	24 49	0 57	23 31	0 52	20 38	0 39	18 46	0 4	4 54	2 3	35 7	11 51	9 21	9 21	23 17			n.a.
F 5	21 11	22 24	4 46	16 38	0 12	12 31	8 18	24 50	0 58	23 29	0 52	20 38	0 39	18 46	0 4	4 54	2 3	35 7	11 51	9 17	9 20	23 15			n.a.
S 6	21 0	17 0	4 13	16 3	0 4	12 34	8 23	24 51	0 58	23 27	0 52	20 38	0 38	18 47	0 4	4 53	2 3	35 7	11 51	9 14	9 19	23 13			n.a.
S 7	20 48	10 41	3 23	15 28	0s 3	12 37	8 28	24 52	0 59	23 25	0 53	20 38	0 38	18 48	0 4	4 52	2 3	35 7	11 51	9 11	9 18	23 11			n.a.
M 8	20 35	3 57	2 20	14 53	0 11	12 40	8 31	24 53	0 59	23 24	0 53	20 37	0 38	18 48	0 4	4 52	2 2	35 7	11 50	9 9	9 16	23 9			n.a.
T 9	20 22	2s46	1 11	14 18	0 18	12 45	8 34	24 53	1 0	23 22	0 53	20 37	0 38	18 49	0 4	4 51	2 2	35 7	11 50	9 9	9 15	23 7			n.a.
W10	20 9	9 10	0s 0	13 42	0 26	12 50	8 35	24 54	1 0	23 20	0 53	20 37	0 38	18 49	0 4	4 50	2 2	35 7	11 50	9 8	9 14	23 5			n.a.
T 11	19 56	14 58	1 9	13 6	0 34	12 56	8 36	24 54	1 1	23 18	0 53	20 37	0 38	18 49	0 4	4 50	2 2	35 8	11 50	9 8	9 13	23 2			n.a.
F 12	19 42	19 58	2 13	12 30	0 42	13 2	8 35	24 54	1 1	23 17	0 53	20 37	0 38	18 50	0 4	4 49	2 2	35 8	11 50	9 8	9 12	23 0			n.a.
S 13	19 28	23 58	3 9	11 54	0 49	13 9	8 34	24 54	1 2	23 15	0 53	20 37	0 37	18 50	0 4	4 48	2 2	35 8	11 50	9 7	9 11	22 58			n.a.
S 14	19 13	26 47	3 55	11 18	0 57	13 16	8 32	24 53	1 2	23 13	0 53	20 37	0 37	18 51	0 4	4 48	2 2	35 8	11 50	9 5	9 9	22 56			n.a.
M15	18 58	28 19	4 29	10 42	1 5	13 24	8 29	24 53	1 3	23 11	0 53	20 37	0 37	18 51	0 4	4 47	2 2	35 8	11 50	9 2	9 8	22 54			n.a.
T 16	18 43	28 29	4 51	10 6	1 13	13 32	8 26	24 52	1 3	23 9	0 54	20 37	0 37	18 52	0 4	4 46	2 2	35 8	11 50	8 58	9 7	22 52			n.a.
W17	18 27	27 18	5 0	9 31	1 21	13 41	8 21	24 51	1 4	23 7	0 54	20 37	0 37	18 52	0 4	4 46	2 2	35 8	11 50	8 53	9 6	22 50			n.a.
T 18	18 12	24 53	4 56	8 56	1 29	13 50	8 16	24 50	1 4	23 5	0 54	20 37	0 37	18 52	0 4	4 45	2 2	35 8	11 50	8 48	9 5	22 48			n.a.
F 19	17 55	21 25	4 39	8 21	1 37	13 59	8 10	24 48	1 5	23 3	0 54	20 37	0 37	18 53	0 4	4 44	2 2	35 8	11 50	8 43	9 3	22 45			n.a.
S 20	17 39	17 5	4 10	7 46	1 45	14 9	8 3	24 47	1 5	23 2	0 54	20 37	0 36	18 53	0 4	4 43	2 2	35 8	11 50	8 38	9 2	22 43			n.a.
S 21	17 22	12 6	3 30	7 13	1 53	14 19	7 56	24 45	1 6	23 0	0 54	20 37	0 36	18 53	0 4	4 43	2 2	35 8	11 49	8 35	9 1	22 41			n.a.
M22	17 5	6 39	2 40	6 39	2 0	14 29	7 49	24 43	1 6	22 58	0 54	20 37	0 36	18 54	0 4	4 42	2 2	35 8	11 49	8 32	9 0	22 39			n.a.
T 23	16 47	0 54	1 43	6 7	2 8	14 38	7 41	24 41	1 7	22 56	0 54	20 37	0 36	18 54	0 4	4 41	2 2	35 8	11 49	8 30	8 59	22 37			n.a.
W24	16 30	4n57	0 40	5 35	2 15	14 48	7 32	24 39	1 7	22 54	0 55	20 37	0 36	18 54	0 4	4 40	2 2	35 8	11 49	8 29	8 57	22 35			n.a.
T 25	16 12	10 43	0n26	5 4	2 23	14 59	7 23	24 37	1 8	22 52	0 55	20 38	0 36	18 55	0 4	4 39	2 2	35 8	11 49	8 29	8 56	22 32			n.a.
F 26	15 53	16 12	1 32	4 34	2 30	15 9	7 14	24 34	1 8	22 50	0 55	20 38	0 36	18 55	0 4	4 39	2 2	35 8	11 49	8 30	8 55	22 30			n.a.
S 27	15 35	21 7	2 36	4 5	2 36	15 18	7 4	24 31	1 9	22 48	0 55	20 38	0 35	18 55	0 4	4 38	2 2	35 8	11 49	8 30	8 54	22 28			n.a.
S 28	15 16	25 7	3 33	3 38	2 43	15 28	6 55	24 29	1 9	22 46	0 55	20 38	0 35	18 55	0 4	4 37	2 2	35 8	11 49	8 29	8 52	22 26			n.a.
M29	14 57	27 46	4 19	3 11	2 49	15 38	6 45	24 26	1 10	22 44	0 55	20 39	0 35	18 56	0 4	4 36	2 2	35 8	11 48	8 28	8 51	22 24			n.a.
T 30	14 38	28 41	4 51	2 47	2 55	15 48	6 34	24 22	1 10	22 42	0 55	20 39	0 35	18 56	0 4	4 35	2 2	35 8	11 48	8 26	8 50	22 21			n.a.
W31	14n18	27n35	5n 4	2n24	3s 0	15n57	6s24	24n19	1n11	22n40	0n55	20s39	0n35	18n56	0s 4	4n34	2n 2	35s 7	11s48	8n23	8n49	22s19			n.a.

Julian Day Number = 1114224.5, Delta T = 10h49m05s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'20, Lahiri = -26°53'19 Julian Calendar 1 Aug. 1663 BCE == Greg. Calendar 18 July 1663 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

SEPTEMBER 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 41 44	23♌25'09	3♌50	17♍50	20♋46	14♋36	23♋59	3♐22	23♉31	23♍18	11°R34	20°R57	22♈11	11♒35	n.a.	T 1
F 2	21 45 40	24°24'50	19° 7	18°26	20°56	15°13	24°11	3°23	23°32	23°20	11♑33	20♈48	22° 8	11°42	n.a.	F 2
S 3	21 49 37	25°24'34	4♍22	18°57	21° 9	15°50	24°23	3°24	23°33	23°22	11°32	20°40	22° 4	11°49	n.a.	S 3
S 4	21 53 33	26°24'19	19°24	19°23	21°24	16°28	24°36	3°25	23°33	23°24	11°32	20°34	22° 1	11°55	n.a.	S 4
M 5	21 57 30	27°24'07	4♎ 5	19°43	21°41	17° 5	24°48	3°26	23°34	23°26	11°31	20°31	21°58	12° 2	n.a.	M 5
T 6	22 1 26	28°23'56	18°18	19°56	21°59	17°42	25° 0	3°28	23°34	23°28	11°30	20°D30	21°55	12° 9	n.a.	T 6
W 7	22 5 23	29°23'47	2♏ 3	20°R 2	22°20	18°19	25°11	3°29	23°35	23°30	11°29	20°30	21°52	12°16	n.a.	W 7
T 8	22 9 19	0♍23'41	15°21	20° 1	22°43	18°56	25°23	3°31	23°35	23°33	11°28	20°31	21°49	12°22	n.a.	T 8
F 9	22 13 16	1°23'36	28°14	19°52	23° 7	19°33	25°35	3°32	23°35	23°35	11°28	20°R32	21°45	12°29	n.a.	F 9
S 10	22 17 13	2°23'33	10♐46	19°34	23°33	20°10	25°47	3°34	23°36	23°37	11°27	20°32	21°42	12°36	n.a.	S 10
S 11	22 21 9	3°23'32	23° 2	19° 7	24° 1	20°47	25°59	3°36	23°36	23°39	11°26	20°29	21°39	12°42	n.a.	S 11
M12	22 25 6	4°23'32	5♑ 7	18°31	24°30	21°24	26°10	3°38	23°36	23°41	11°25	20°25	21°36	12°49	n.a.	M12
T 13	22 29 2	5°23'35	17° 4	17°46	25° 1	22° 1	26°22	3°40	23°36	23°43	11°25	20°19	21°33	12°56	n.a.	T 13
W14	22 32 59	6°23'39	28°57	16°53	25°33	22°38	26°33	3°42	23°R36	23°45	11°24	20°11	21°29	13° 3	n.a.	W14
T 15	22 36 55	7°23'45	10♒48	15°52	26° 7	23°15	26°45	3°45	23°36	23°48	11°24	20° 3	21°26	13° 9	n.a.	T 15
F 16	22 40 52	8°23'53	22°41	14°44	26°42	23°52	26°56	3°47	23°36	23°50	11°23	19°55	21°23	13°16	n.a.	F 16
S 17	22 44 48	9°24'03	4♓37	13°31	27°19	24°28	27° 7	3°49	23°36	23°52	11°22	19°47	21°20	13°23	n.a.	S 17
S 18	22 48 45	10°24'15	16°37	12°14	27°57	25° 5	27°18	3°52	23°35	23°54	11°22	19°41	21°17	13°29	n.a.	S 18
M19	22 52 41	11°24'28	28°43	10°57	28°36	25°42	27°29	3°54	23°35	23°56	11°21	19°37	21°14	13°36	n.a.	M19
T 20	22 56 38	12°24'44	10♈57	9°40	29°17	26°19	27°40	3°57	23°35	23°59	11°21	19°35	21°10	13°43	n.a.	T 20
W21	23 0 35	13°25'02	23°20	8°28	29°58	26°56	27°51	4° 0	23°35	24° 1	11°20	19°D35	21° 7	13°50	n.a.	W21
T 22	23 4 31	14°25'22	5♉55	7°21	0♌41	27°32	28° 2	4° 3	23°34	24° 3	11°20	19°36	21° 4	13°56	n.a.	T 22
F 23	23 8 28	15°25'44	18°44	6°22	1°25	28° 9	28°13	4° 6	23°34	24° 5	11°19	19°37	21° 1	14° 3	n.a.	F 23
S 24	23 12 24	16°26'08	1♊50	5°33	2° 9	28°46	28°24	4° 9	23°33	24° 7	11°19	19°39	20°58	14°10	n.a.	S 24
S 25	23 16 21	17°26'35	15°16	4°55	2°55	29°22	28°34	4°12	23°33	24°10	11°19	19°R40	20°55	14°16	n.a.	S 25
M26	23 20 17	18°27'04	29° 3	4°28	3°42	29°59	28°45	4°16	23°32	24°12	11°18	19°39	20°51	14°23	n.a.	M26
T 27	23 24 14	19°27'34	13♋13	4°12	4°30	0♌36	28°55	4°19	23°31	24°14	11°18	19°37	20°48	14°30	n.a.	T 27
W28	23 28 10	20°28'07	27°44	4°D 9	5°18	1°12	29° 6	4°22	23°31	24°16	11°17	19°34	20°45	14°37	n.a.	W28
T 29	23 32 7	21°28'42	12♌31	4°16	6° 8	1°49	29°16	4°26	23°30	24°19	11°17	19°30	20°42	14°43	n.a.	T 29
F 30	23 36 4	22♍29'19	27♌29	4♍34	6♌58	2♌25	29♋26	4♐30	23♉29	24♍21	11♑17	19♈26	20♈39	14♒50	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n58	24n28	4n57	2n 4	3s 5	16n 6	6s13	24n15	1n11	22n38	0n56	20s39	0n35	18n56	0s 4	4n34	2n 1	35s 7	11s48	8n19	8n48	22s17		n.a.
F 2	13 38	19 37	4 29	1 46	3 9	16 15	6 3	24 12	1 12	22 36	0 56	20 40	0 35	18 56	0 4	4 33	2 1	35 7	11 48	8 16	8 46	22 15		n.a.
S 3	13 18	13 30	3 41	1 30	3 13	16 24	5 52	24 8	1 12	22 34	0 56	20 40	0 34	18 57	0 4	4 32	2 1	35 7	11 48	8 13	8 45	22 13		n.a.
S 4	12 57	6 42	2 39	1 17	3 16	16 32	5 41	24 3	1 13	22 32	0 56	20 40	0 34	18 57	0 4	4 31	2 1	35 7	11 47	8 11	8 44	22 10		n.a.
M 5	12 36	0s19	1 27	1 7	3 18	16 40	5 31	23 59	1 13	22 30	0 56	20 41	0 34	18 57	0 4	4 30	2 1	35 7	11 47	8 10	8 43	22 8		n.a.
T 6	12 15	7 8	0 12	1 1	3 19	16 48	5 20	23 55	1 14	22 28	0 56	20 41	0 34	18 57	0 4	4 29	2 1	35 7	11 47	8 9	8 42	22 6		n.a.
W 7	11 54	13 23	1s 2	0 58	3 20	16 55	5 9	23 50	1 14	22 25	0 57	20 42	0 34	18 57	0 4	4 29	2 1	35 7	11 47	8 9	8 40	22 4		n.a.
T 8	11 32	18 48	2 10	1 0	3 19	17 2	4 58	23 45	1 15	22 23	0 57	20 42	0 34	18 57	0 4	4 28	2 1	35 7	11 47	8 10	8 39	22 1		n.a.
F 9	11 11	23 12	3 9	1 6	3 16	17 9	4 48	23 41	1 15	22 21	0 57	20 43	0 34	18 57	0 4	4 27	2 1	35 7	11 47	8 10	8 38	21 59		n.a.
S 10	10 49	26 24	3 57	1 16	3 12	17 15	4 37	23 35	1 16	22 19	0 57	20 43	0 33	18 57	0 4	4 26	2 1	35 7	11 46	8 10	8 37	21 57		n.a.
S 11	10 27	28 15	4 34	1 32	3 7	17 20	4 26	23 30	1 16	22 17	0 57	20 44	0 33	18 57	0 4	4 25	2 1	35 6	11 46	8 9	8 36	21 54		n.a.
M12	10 5	28 44	4 57	1 53	2 59	17 26	4 16	23 25	1 17	22 15	0 57	20 44	0 33	18 57	0 4	4 24	2 1	35 6	11 46	8 7	8 34	21 52		n.a.
T 13	9 43	27 51	5 7	2 19	2 50	17 30	4 5	23 19	1 17	22 13	0 58	20 45	0 33	18 57	0 4	4 23	2 1	35 6	11 46	8 5	8 33	21 50		n.a.
W14	9 20	25 43	5 4	2 50	2 39	17 35	3 55	23 14	1 18	22 11	0 58	20 45	0 33	18 57	0 4	4 22	2 1	35 6	11 46	8 2	8 32	21 48		n.a.
T 15	8 57	22 28	4 48	3 26	2 26	17 39	3 45	23 8	1 18	22 9	0 58	20 46	0 33	18 57	0 4	4 21	2 1	35 6	11 45	7 59	8 31	21 45		n.a.
F 16	8 34	18 17	4 20	4 7	2 11	17 42	3 35	23 2	1 19	22 7	0 58	20 46	0 33	18 57	0 4	4 21	2 1	35 6	11 45	7 56	8 30	21 43		n.a.
S 17	8 12	13 23	3 39	4 51	1 54	17 45	3 25	22 56	1 19	22 5	0 58	20 47	0 32	18 57	0 4	4 20	2 1	35 6	11 45	7 53	8 28	21 41		n.a.
S 18	7 48	7 58	2 49	5 37	1 36	17 47	3 15	22 49	1 20	22 3	0 58	20 48	0 32	18 57	0 4	4 19	2 1	35 5	11 45	7 50	8 27	21 38		n.a.
M19	7 25	2 13	1 51	6 25	1 17	17 49	3 5	22 43	1 20	22 1	0 59	20 48	0 32	18 57	0 4	4 18	2 1	35 5	11 45	7 49	8 26	21 36		n.a.
T 20	7 2	3n42	0 47	7 13	0 56	17 50	2 55	22 36	1 21	21 59	0 59	20 49	0 32	18 57	0 4	4 17	2 1	35 5	11 44	7 48	8 25	21 34		n.a.
W21	6 38	9 33	0n20	8 0	0 36	17 51	2 46	22 30	1 21	21 57	0 59	20 49	0 32	18 57	0 4	4 16	2 1	35 5	11 44	7 48	8 23	21 31		n.a.
T 22	6 15	15 7	1 28	8 44	0 15	17 51	2 36	22 23	1 22	21 55	0 59	20 50	0 32	18 57	0 4	4 15	2 1	35 5	11 44	7 48	8 22	21 29		n.a.
F 23	5 51	20 9	2 32	9 25	0n 5	17 50	2 27	22 16	1 22	21 53	0 59	20 51	0 32	18 57	0 4	4 14	2 1	35 5	11 44	7 49	8 21	21 27		n.a.
S 24	5 27	24 21	3 30	10 1	0 24	17 49	2 18	22 9	1 23	21 51	1 0	20 52	0 32	18 57	0 4	4 13	2 1	35 4	11 43	7 50	8 20	21 24		n.a.
S 25	5 3	27 20	4 18	10 32	0 42	17 47	2 9	22 1	1 23	21 49	1 0	20 52	0 31	18 57	0 4	4 12	2 1	35 4	11 43	7 50	8 19	21 22		n.a.
M26	4 39	28 46	4 53	10 57	0 58	17 45	2 0	21 54	1 24	21 47	1 0	20 53	0 31	18 56	0 4	4 12	2 1	35 4	11 43	7 50	8 17	21 20		n.a.
T 27	4 15	28 22	5 11	11 17	1 13	17 42	1 51	21 46	1 24	21 45	1 0	20 54	0 31	18 56	0 4	4 11	2 1	35 4	11 43	7 49	8 16	21 17		n.a.
W28	3 51	26 3	5 10	11 30	1 26	17 39	1 42	21 39	1 25	21 43	1 0	20 55	0 31	18 56	0 4	4 10	2 1	35 4	11 43	7 48	8 15	21 15		n.a.
T 29	3 26	21 58	4 48	11 38	1 38	17 35	1 34	21 31	1 25	21 41	1 1	20 55	0 31	18 56	0 4	4 9	2 1	35 3	11 42	7 46	8 14	21 12		n.a.
F 30	3n 2	16n25	4n 7	11n41	1n47	17n30	1s26	21n23	1n26	21n39	1n 1	20s56	0n31	18n56	0s 4	4n 8	2n 1	35s 3	11s42	7n45	8n13	21s10		n.a.

Julian Day Number = 1114255.5, Delta T = 10h49m03s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'16, Lahiri = -26°53'15 Julian Calendar 1 Sept. 1663 BCE == Greg. Calendar 18 Aug. 1663 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

OCTOBER 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 40 0	23♍29'57	12♍29	5♍ 2	7♌49	3♌ 2	29♋36	4♐33	23°R28	24♍23	11°R17	19°R23	20♈35	14♒57	n.a.	S 1
S 2	23 43 57	24°30'37	27°22	5°39	8°41	3°38	29°46	4°37	23♉27	24°25	11♏16	19♈20	20°32	15° 3	n.a.	S 2
M 3	23 47 53	25°31'19	12♎ 0	6°23	9°34	4°15	29°56	4°41	23°26	24°28	11°16	19°19	20°29	15°10	n.a.	M 3
T 4	23 51 50	26°32'02	26°16	7°15	10°27	4°51	0♌ 6	4°45	23°25	24°30	11°16	19°D19	20°26	15°17	n.a.	T 4
W 5	23 55 46	27°32'47	10♏ 7	8°13	11°21	5°27	0°16	4°49	23°24	24°32	11°16	19°20	20°23	15°24	n.a.	W 5
T 6	23 59 43	28°33'33	23°32	9°16	12°16	6° 4	0°25	4°53	23°23	24°34	11°16	19°21	20°20	15°30	n.a.	T 6
F 7	0 3 39	29°34'21	6♐32	10°24	13°11	6°40	0°35	4°57	23°22	24°37	11°16	19°23	20°16	15°37	n.a.	F 7
S 8	0 7 36	0♎35'10	19°10	11°36	14° 7	7°16	0°44	5° 2	23°20	24°39	11°16	19°24	20°13	15°44	n.a.	S 8
S 9	0 11 33	1°36'00	1♏29	12°52	15° 4	7°53	0°53	5° 6	23°19	24°41	11°16	19°R24	20°10	15°50	n.a.	S 9
M10	0 15 29	2°36'51	13°35	14°10	16° 1	8°29	1° 2	5°10	23°18	24°43	11°D16	19°24	20° 7	15°57	n.a.	M10
T 11	0 19 26	3°37'43	25°31	15°31	16°58	9° 5	1°11	5°15	23°16	24°46	11°16	19°23	20° 4	16° 4	n.a.	T 11
W12	0 23 22	4°38'37	7♒23	16°54	17°56	9°41	1°20	5°20	23°15	24°48	11°16	19°21	20° 0	16°11	n.a.	W12
T 13	0 27 19	5°39'31	19°15	18°19	18°55	10°17	1°29	5°24	23°13	24°50	11°16	19°19	19°57	16°17	n.a.	T 13
F 14	0 31 15	6°40'27	1♓ 9	19°46	19°54	10°53	1°38	5°29	23°12	24°52	11°16	19°17	19°54	16°24	n.a.	F 14
S 15	0 35 12	7°41'24	13° 9	21°14	20°54	11°29	1°46	5°34	23°10	24°55	11°16	19°15	19°51	16°31	n.a.	S 15
S 16	0 39 8	8°42'22	25°18	22°42	21°54	12° 5	1°55	5°39	23° 9	24°57	11°16	19°13	19°48	16°37	n.a.	S 16
M17	0 43 5	9°43'21	7♈36	24°12	22°55	12°41	2° 3	5°44	23° 7	24°59	11°16	19°13	19°45	16°44	n.a.	M17
T 18	0 47 1	10°44'21	20° 6	25°42	23°56	13°17	2°11	5°49	23° 5	25° 1	11°17	19°D12	19°41	16°51	n.a.	T 18
W19	0 50 58	11°45'22	2♉48	27°13	24°57	13°53	2°19	5°54	23° 4	25° 3	11°17	19°13	19°38	16°57	n.a.	W19
T 20	0 54 55	12°46'25	15°42	28°45	25°59	14°29	2°27	5°59	23° 2	25° 6	11°17	19°13	19°35	17° 4	n.a.	T 20
F 21	0 58 51	13°47'29	28°50	0♎17	27° 2	15° 5	2°35	6° 4	23° 0	25° 8	11°17	19°14	19°32	17°11	n.a.	F 21
S 22	1 2 48	14°48'34	12♊11	1°49	28° 4	15°40	2°43	6°10	22°58	25°10	11°18	19°14	19°29	17°18	n.a.	S 22
S 23	1 6 44	15°49'41	25°45	3°21	29° 7	16°16	2°50	6°15	22°56	25°12	11°18	19°15	19°26	17°24	n.a.	S 23
M24	1 10 41	16°50'48	9♋34	4°54	0♍11	16°52	2°58	6°20	22°54	25°14	11°18	19°15	19°22	17°31	n.a.	M24
T 25	1 14 37	17°51'57	23°36	6°27	1°15	17°27	3° 5	6°26	22°53	25°16	11°19	19°R15	19°19	17°38	n.a.	T 25
W26	1 18 34	18°53'08	7♌50	7°59	2°19	18° 3	3°12	6°31	22°51	25°18	11°19	19°D15	19°16	17°44	n.a.	W26
T 27	1 22 31	19°54'19	22°13	9°33	3°23	18°39	3°19	6°37	22°48	25°20	11°20	19°15	19°13	17°51	n.a.	T 27
F 28	1 26 27	20°55'31	6♍44	11° 6	4°28	19°14	3°26	6°43	22°46	25°23	11°20	19°15	19°10	17°58	n.a.	F 28
S 29	1 30 24	21°56'45	21°16	12°39	5°33	19°50	3°32	6°49	22°44	25°25	11°20	19°15	19° 6	18° 5	n.a.	S 29
S 30	1 34 20	22°57'59	5♎44	14°12	6°39	20°25	3°39	6°54	22°42	25°27	11°21	19°15	19° 3	18°11	n.a.	S 30
M31	1 38 17	23♎59'14	20♎ 2	15♎46	7♍44	21♌ 0	3♌45	7♐ 0	22♉40	25♍29	11♏22	19°R15	19♈ 0	18♒18	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	2n38	9n54	3n 8	11n38	1n56	17n25	1s17	21n15	1n26	21n37	1n 1	20s57	0n31	18n56	0s 4	4n 7	2n 1	35s 3	11s42	7n43	8n11	21s 8		n.a.	S 1
S 2	2 13	2 51	1 58	11 30	2 2	17 19	1 9	21 6	1 27	21 35	1 1	20 58	0 30	18 55	0 4	4 6	2 1	35 3	11 42	7 42	8 10	21 5		n.a.	S 2
M 3	1 49	4s13	0 40	11 18	2 7	17 12	1 2	20 58	1 27	21 33	1 1	20 59	0 30	18 55	0 4	4 5	2 1	35 3	11 41	7 42	8 9	21 3		n.a.	M 3
T 4	1 24	10 55	0s38	11 2	2 11	17 5	0 54	20 50	1 28	21 31	1 2	21 0	0 30	18 55	0 4	4 4	2 1	35 2	11 41	7 42	8 8	21 0		n.a.	T 4
W 5	1 0	16 54	1 52	10 43	2 14	16 57	0 46	20 41	1 28	21 29	1 2	21 0	0 30	18 55	0 4	4 3	2 1	35 2	11 41	7 42	8 6	20 58		n.a.	W 5
T 6	0 35	21 52	2 58	10 20	2 16	16 49	0 39	20 32	1 29	21 27	1 2	21 1	0 30	18 54	0 4	4 2	2 1	35 2	11 41	7 43	8 5	20 56		n.a.	T 6
F 7	0 10	25 37	3 52	9 54	2 16	16 40	0 32	20 24	1 29	21 25	1 2	21 2	0 30	18 54	0 4	4 2	2 1	35 2	11 40	7 43	8 4	20 53		n.a.	F 7
S 8	0s14	27 58	4 33	9 26	2 16	16 31	0 25	20 15	1 30	21 23	1 3	21 3	0 30	18 54	0 4	4 1	2 1	35 1	11 40	7 44	8 3	20 51		n.a.	S 8
S 9	0 39	28 53	5 0	8 55	2 15	16 21	0 18	20 6	1 30	21 21	1 3	21 4	0 30	18 53	0 4	4 0	2 1	35 1	11 40	7 44	8 2	20 48		n.a.	S 9
M10	1 4	28 23	5 14	8 23	2 13	16 10	0 11	19 56	1 31	21 20	1 3	21 5	0 29	18 53	0 4	3 59	2 1	35 1	11 40	7 44	8 0	20 46		n.a.	M10
T 11	1 28	26 34	5 14	7 48	2 10	15 59	0 4	19 47	1 31	21 18	1 3	21 6	0 29	18 53	0 4	3 58	2 1	35 1	11 39	7 43	7 59	20 43		n.a.	T 11
W12	1 53	23 36	5 0	7 13	2 7	15 47	0n 2	19 38	1 32	21 16	1 3	21 7	0 29	18 52	0 4	3 57	2 1	35 0	11 39	7 43	7 58	20 41		n.a.	W12
T 13	2 17	19 39	4 34	6 35	2 4	15 34	0 9	19 28	1 32	21 14	1 4	21 8	0 29	18 52	0 4	3 56	2 1	35 0	11 39	7 42	7 57	20 38		n.a.	T 13
F 14	2 42	14 55	3 56	5 57	2 0	15 21	0 15	19 19	1 33	21 13	1 4	21 9	0 29	18 52	0 4	3 55	2 1	35 0	11 39	7 41	7 55	20 36		n.a.	F 14
S 15	3 6	9 36	3 7	5 18	1 55	15 8	0 21	19 9	1 33	21 11	1 4	21 10	0 29	18 51	0 4	3 54	2 1	35 0	11 38	7 40	7 54	20 34		n.a.	S 15
S 16	3 31	3 52	2 9	4 38	1 50	14 53	0 27	18 59	1 34	21 9	1 4	21 11	0 29	18 51	0 4	3 54	2 1	34 59	11 38	7 40	7 53	20 31		n.a.	S 16
M17	3 55	2n 6	1 4	3 57	1 45	14 39	0 32	18 49	1 34	21 7	1 5	21 12	0 29	18 50	0 4	3 53	2 1	34 59	11 38	7 39	7 52	20 29		n.a.	M17
T 18	4 20	8 5	0n 5	3 16	1 40	14 23	0 38	18 39	1 35	21 6	1 5	21 13	0 29	18 50	0 4	3 52	2 1	34 59	11 38	7 39	7 51	20 26		n.a.	T 18
W19	4 44	13 50	1 15	2 34	1 34	14 8	0 43	18 29	1 35	21 4	1 5	21 14	0 28	18 49	0 4	3 51	2 1	34 59	11 37	7 39	7 49	20 24		n.a.	W19
T 20	5 8	19 6	2 22	1 51	1 28	13 51	0 49	18 19	1 36	21 3	1 5	21 15	0 28	18 49	0 4	3 50	2 1	34 58	11 37	7 40	7 48	20 21		n.a.	T 20
F 21	5 32	23 34	3 22	1 9	1 22	13 35	0 54	18 9	1 36	21 1	1 6	21 16	0 28	18 49	0 4	3 49	2 1	34 58	11 37	7 40	7 47	20 19		n.a.	F 21
S 22	5 56	26 52	4 13	0 26	1 16	13 17	0 59	17 58	1 37	20 59	1 6	21 17	0 28	18 48	0 4	3 48	2 1	34 58	11 37	7 40	7 46	20 16		n.a.	S 22
S 23	6 20	28 40	4 51	0s17	1 10	12 59	1 4	17 48	1 37	20 58	1 6	21 18	0 28	18 48	0 4	3 48	2 1	34 58	11 36	7 40	7 44	20 14		n.a.	S 23
M24	6 44	28 44	5 13	1 1	1 4	12 41	1 8	17 37	1 38	20 56	1 6	21 19	0 28	18 47	0 4	3 47	2 1	34 57	11 36	7 40	7 43	20 11		n.a.	M24
T 25	7 8	26 58	5 16	1 44	0 57	12 22	1 13	17 27	1 38	20 55	1 7	21 20	0 28	18 47	0 4	3 46	2 1	34 57	11 36	7 40	7 42	20 9		n.a.	T 25
W26	7 32	23 29	5 1	2 27	0 50	12 3	1 17	17 16	1 39	20 54	1 7	21 21	0 28	18 46	0 4	3 45	2 1	34 57	11 36	7 40	7 41	20 6		n.a.	W26
T 27	7 56	18 33	4 26	3 11	0 44	11 43	1 21	17 5	1 39	20 52	1 7	21 22	0 28	18 46	0 4	3 44	2 1	34 56	11 35	7 40	7 40	20 3		n.a.	T 27
F 28	8 19	12 31	3 35	3 54	0 37	11 23	1 26	16 55	1 40	20 51	1 7	21 23	0 27	18 45	0 4	3 43	2 1	34 56	11 35	7 40	7 38	20 1		n.a.	F 28
S 29	8 42	5 48	2 29	4 37	0 30	11 2	1 29	16 44	1 40	20 50	1 8	21 24	0 27	18 45	0 4	3 43	2 2	34 56	11 35	7 40	7 37	19 58		n.a.	S 29
S 30	9 6	1s11	1 14	5 20	0 24	10 41	1 33	16 33	1 41	20 48	1 8	21 26	0 27	18 44	0 4	3 42	2 2	34 56	11 35	7 41	7 36	19 56		n.a.	S 30
M31	9s29	8s 3	0s 4	6s 3	0n17	10n19	1n37	16n21	1n41	20n47	1n 8	21s27	0n27	18n43	0s 4	3n41	2n 2	34s55	11s34	7n41	7n35	19s53		n.a.	M31

Julian Day Number = 1114285.5, Delta T = 10h49m02s
Ecliptic obliquity = 23°53'28, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'12, Lahiri = -26°53'11 Julian Calendar 1 Oct. 1663 BCE == Greg. Calendar 17 Sept. 1663 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

NOVEMBER 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 42 13	25♎ 0'30	4♏ 7	17♎19	8♍50	21♌36	3♌51	7♐ 6	22°R38	25♍31	11♑22	19°R15	18♈57	18♒25	n.a.	T 1
W 2	1 46 10	26° 1'46	17°52	18°53	9°56	22°11	3°58	7°12	22♉36	25°33	11°23	19♈15	18°54	18°31	n.a.	W 2
T 3	1 50 6	27° 3'03	1♐16	20°27	11° 3	22°46	4° 3	7°18	22°33	25°35	11°23	19°14	18°51	18°38	n.a.	T 3
F 4	1 54 3	28° 4'20	14°19	22° 0	12°10	23°21	4° 9	7°24	22°31	25°37	11°24	19°13	18°47	18°45	n.a.	F 4
S 5	1 58 0	29° 5'38	27° 1	23°34	13°16	23°56	4°15	7°30	22°29	25°39	11°25	19°11	18°44	18°52	n.a.	S 5
S 6	2 1 56	0♏ 6'56	9♑24	25° 8	14°24	24°32	4°20	7°36	22°26	25°41	11°25	19°10	18°41	18°58	n.a.	S 6
M 7	2 5 53	1° 8'14	21°32	26°42	15°31	25° 7	4°25	7°43	22°24	25°43	11°26	19° 9	18°38	19° 5	n.a.	M 7
T 8	2 9 49	2° 9'32	3♒30	28°17	16°39	25°41	4°31	7°49	22°22	25°45	11°27	19°D 9	18°35	19°12	n.a.	T 8
W 9	2 13 46	3°10'50	15°23	29°51	17°46	26°16	4°35	7°55	22°19	25°46	11°28	19°10	18°32	19°18	n.a.	W 9
T 10	2 17 42	4°12'08	27°14	1♏26	18°54	26°51	4°40	8° 2	22°17	25°48	11°28	19°11	18°28	19°25	n.a.	T 10
F 11	2 21 39	5°13'26	9♓ 9	3° 0	20° 3	27°26	4°45	8° 8	22°14	25°50	11°29	19°12	18°25	19°32	n.a.	F 11
S 12	2 25 36	6°14'44	21°12	4°35	21°11	28° 1	4°49	8°15	22°12	25°52	11°30	19°14	18°22	19°38	n.a.	S 12
S 13	2 29 32	7°16'03	3♈27	6°11	22°20	28°35	4°53	8°21	22° 9	25°54	11°31	19°15	18°19	19°45	n.a.	S 13
M14	2 33 29	8°17'21	15°56	7°46	23°28	29°10	4°58	8°28	22° 7	25°56	11°32	19°R16	18°16	19°52	n.a.	M14
T 15	2 37 25	9°18'39	28°42	9°22	24°37	29°44	5° 1	8°34	22° 4	25°57	11°33	19°15	18°12	19°59	n.a.	T 15
W16	2 41 22	10°19'57	11♉45	10°58	25°46	0♍19	5° 5	8°41	22° 2	25°59	11°34	19°14	18° 9	20° 5	n.a.	W16
T 17	2 45 18	11°21'15	25° 5	12°34	26°56	0°53	5° 9	8°47	21°59	26° 1	11°34	19°11	18° 6	20°12	n.a.	T 17
F 18	2 49 15	12°22'33	8♊39	14°10	28° 5	1°27	5°12	8°54	21°57	26° 3	11°35	19° 8	18° 3	20°19	n.a.	F 18
S 19	2 53 11	13°23'51	22°26	15°47	29°15	2° 2	5°15	9° 1	21°54	26° 4	11°36	19° 4	18° 0	20°25	n.a.	S 19
S 20	2 57 8	14°25'10	6♋23	17°24	0♎24	2°36	5°18	9° 8	21°52	26° 6	11°37	19° 1	17°57	20°32	n.a.	S 20
M21	3 1 5	15°26'29	20°27	19° 2	1°34	3°10	5°21	9°14	21°49	26° 8	11°39	18°58	17°53	20°39	n.a.	M21
T 22	3 5 1	16°27'47	4♌34	20°40	2°44	3°44	5°24	9°21	21°47	26° 9	11°40	18°56	17°50	20°45	n.a.	T 22
W23	3 8 58	17°29'06	18°44	22°18	3°54	4°18	5°26	9°28	21°44	26°11	11°41	18°D55	17°47	20°52	n.a.	W23
T 24	3 12 54	18°30'24	2♍53	23°56	5° 5	4°52	5°29	9°35	21°41	26°12	11°42	18°56	17°44	20°59	n.a.	T 24
F 25	3 16 51	19°31'43	17° 0	25°35	6°15	5°26	5°31	9°42	21°39	26°14	11°43	18°57	17°41	21° 6	n.a.	F 25
S 26	3 20 47	20°33'01	1♎ 4	27°14	7°26	6° 0	5°33	9°49	21°36	26°15	11°44	18°59	17°37	21°12	n.a.	S 26
S 27	3 24 44	21°34'20	15° 2	28°54	8°36	6°33	5°34	9°56	21°34	26°17	11°45	19°R 0	17°34	21°19	n.a.	S 27
M28	3 28 41	22°35'38	28°53	0♐33	9°47	7° 7	5°36	10° 3	21°31	26°18	11°46	19° 0	17°31	21°26	n.a.	M28
T 29	3 32 37	23°36'55	12♏33	2°13	10°58	7°40	5°37	10°10	21°28	26°20	11°48	18°58	17°28	21°32	n.a.	T 29
W30	3 36 34	24♏38'13	26♏ 0	3♐53	12♎ 9	8♍14	5♌38	10♐17	21♉26	26♍21	11♑49	18♈54	17♈25	21♒39	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s51	14s24	1s21	6s46	0n10	9n57	1n40	16n10	1n42	20n46	1n 9	21s28	0n27	18n43	0s 4	3n40	2n 2	34s55	11s34	7n40	7n33	19s51		n.a.
W 2	10 14	19 54	2 32	7 28	0 4	9 35	1 44	15 59	1 42	20 45	1 9	21 29	0 27	18 42	0 4	3 39	2 2	34 55	11 34	7 40	7 32	19 48		n.a.
T 3	10 37	24 16	3 32	8 10	0s 3	9 12	1 47	15 48	1 43	20 43	1 9	21 30	0 27	18 42	0 4	3 39	2 2	34 54	11 34	7 40	7 31	19 46		n.a.
F 4	10 59	27 15	4 20	8 52	0 9	8 49	1 50	15 37	1 43	20 42	1 9	21 31	0 27	18 41	0 4	3 38	2 2	34 54	11 34	7 39	7 30	19 43		n.a.
S 5	11 21	28 45	4 53	9 34	0 16	8 25	1 53	15 25	1 44	20 41	1 10	21 32	0 27	18 41	0 4	3 37	2 2	34 54	11 33	7 39	7 29	19 40		n.a.
S 6	11 43	28 44	5 12	10 15	0 22	8 2	1 56	15 14	1 44	20 40	1 10	21 33	0 26	18 40	0 4	3 36	2 2	34 53	11 33	7 39	7 27	19 38		n.a.
M 7	12 5	27 20	5 16	10 56	0 29	7 37	1 58	15 2	1 45	20 39	1 10	21 35	0 26	18 39	0 4	3 36	2 2	34 53	11 33	7 38	7 26	19 35		n.a.
T 8	12 27	24 42	5 7	11 36	0 35	7 13	2 1	14 51	1 45	20 38	1 11	21 36	0 26	18 39	0 4	3 35	2 2	34 53	11 33	7 38	7 25	19 33		n.a.
W 9	12 48	21 2	4 44	12 16	0 41	6 48	2 3	14 39	1 46	20 37	1 11	21 37	0 26	18 38	0 4	3 34	2 2	34 53	11 32	7 38	7 24	19 30		n.a.
T 10	13 10	16 33	4 9	12 55	0 47	6 23	2 5	14 27	1 46	20 36	1 11	21 38	0 26	18 37	0 4	3 33	2 2	34 52	11 32	7 39	7 22	19 27		n.a.
F 11	13 31	11 25	3 24	13 34	0 53	5 58	2 7	14 16	1 47	20 36	1 11	21 39	0 26	18 37	0 4	3 33	2 2	34 52	11 32	7 39	7 21	19 25		n.a.
S 12	13 51	5 49	2 29	14 13	0 59	5 32	2 9	14 4	1 47	20 35	1 12	21 40	0 26	18 36	0 4	3 32	2 2	34 52	11 32	7 40	7 20	19 22		n.a.
S 13	14 12	0n 5	1 26	14 50	1 4	5 6	2 11	13 52	1 48	20 34	1 12	21 41	0 26	18 36	0 4	3 31	2 2	34 51	11 31	7 40	7 19	19 20		n.a.
M14	14 32	6 6	0 18	15 27	1 10	4 40	2 13	13 40	1 48	20 33	1 12	21 42	0 26	18 35	0 4	3 31	2 2	34 51	11 31	7 41	7 17	19 17		n.a.
T 15	14 52	12 1	0n52	16 4	1 15	4 14	2 14	13 28	1 49	20 33	1 13	21 44	0 26	18 34	0 4	3 30	2 2	34 51	11 31	7 40	7 16	19 14		n.a.
W16	15 12	17 33	2 1	16 40	1 20	3 47	2 16	13 16	1 49	20 32	1 13	21 45	0 25	18 34	0 4	3 29	2 2	34 50	11 31	7 40	7 15	19 12		n.a.
T 17	15 31	22 22	3 4	17 15	1 25	3 20	2 17	13 4	1 50	20 31	1 13	21 46	0 25	18 33	0 4	3 29	2 2	34 50	11 31	7 39	7 14	19 9		n.a.
F 18	15 50	26 5	3 59	17 49	1 30	2 53	2 18	12 52	1 50	20 31	1 14	21 47	0 25	18 32	0 4	3 28	2 2	34 50	11 30	7 38	7 12	19 6		n.a.
S 19	16 9	28 20	4 40	18 22	1 34	2 26	2 19	12 40	1 51	20 30	1 14	21 48	0 25	18 32	0 4	3 27	2 2	34 50	11 30	7 36	7 11	19 4		n.a.
S 20	16 28	28 50	5 6	18 55	1 38	1 58	2 20	12 28	1 51	20 30	1 14	21 49	0 25	18 31	0 4	3 27	2 2	34 49	11 30	7 35	7 10	19 1		n.a.
M21	16 46	27 28	5 13	19 26	1 42	1 31	2 21	12 16	1 52	20 29	1 15	21 50	0 25	18 30	0 4	3 26	2 3	34 49	11 30	7 34	7 9	18 58		n.a.
T 22	17 4	24 21	5 2	19 57	1 46	1 3	2 22	12 4	1 53	20 29	1 15	21 52	0 25	18 30	0 4	3 26	2 3	34 49	11 30	7 33	7 8	18 56		n.a.
W23	17 22	19 48	4 32	20 27	1 49	0 35	2 22	11 52	1 53	20 29	1 15	21 53	0 25	18 29	0 4	3 25	2 3	34 48	11 29	7 33	7 6	18 53		n.a.
T 24	17 40	14 8	3 46	20 55	1 52	0 7	2 23	11 40	1 54	20 29	1 15	21 54	0 25	18 28	0 4	3 24	2 3	34 48	11 29	7 33	7 5	18 50		n.a.
F 25	17 57	7 46	2 46	21 23	1 55	0s21	2 23	11 27	1 54	20 28	1 16	21 55	0 25	18 28	0 4	3 24	2 3	34 48	11 29	7 34	7 4	18 48		n.a.
S 26	18 13	1 2	1 37	21 49	1 58	0 49	2 23	11 15	1 55	20 28	1 16	21 56	0 25	18 27	0 4	3 23	2 3	34 47	11 29	7 34	7 3	18 45		n.a.
S 27	18 30	5s42	0 22	22 14	2 0	1 17	2 23	11 3	1 55	20 28	1 16	21 57	0 24	18 26	0 4	3 23	2 3	34 47	11 29	7 35	7 1	18 42		n.a.
M28	18 46	12 7	0s54	22 38	2 1	1 45	2 23	10 51	1 56	20 28	1 17	21 58	0 24	18 26	0 4	3 22	2 3	34 47	11 29	7 34	7 0	18 40		n.a.
T 29	19 2	17 52	2 5	23 0	2 3	2 14	2 23	10 38	1 56	20 28	1 17	22 0	0 24	18 25	0 4	3 22	2 3	34 47	11 28	7 34	6 59	18 37		n.a.
W30	19s17	22s39	3s 8	23s21	2s 4	2s42	2n23	10n26	1n57	20n28	1n17	22s 1	0n24	18n24	0s 4	3n21	2n 3	34s46	11s28	7n32	6n58	18s34		n.a.

Julian Day Number = 1114316.5, Delta T = 10h49m00s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'07, Lahiri = -26°53'07 Julian Calendar 1 Nov. 1663 BCE == Greg. Calendar 18 Oct. 1663 BCE

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ASTRODIENST EPHEMERIS for the year 1663 BCE
geocentric

DECEMBER 1663 BCE (-1662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 40 30	25♏39'30	9♐12	5♐34	13♎20	8♍47	5♌39	10♐24	21°R23	26♍22	11♑50	18°R48	17♈22	21♒46	n.a.	T 1
F 2	3 44 27	26°40'46	22° 8	7°14	14°31	9°20	5°40	10°31	21♉21	26°24	11°51	18♈41	17°18	21°52	n.a.	F 2
S 3	3 48 23	27°42'01	4♑47	8°54	15°42	9°53	5°40	10°38	21°18	26°25	11°53	18°34	17°15	21°59	n.a.	S 3
S 4	3 52 20	28°43'16	17° 9	10°34	16°54	10°26	5°41	10°45	21°15	26°26	11°54	18°27	17°12	22° 6	n.a.	S 4
M 5	3 56 17	29°44'29	29°18	12°14	18° 5	10°59	5°R41	10°52	21°13	26°28	11°55	18°21	17° 9	22°13	n.a.	M 5
T 6	4 0 13	0♐45'42	11♒17	13°54	19°17	11°32	5°41	10°59	21°10	26°29	11°56	18°17	17° 6	22°19	n.a.	T 6
W 7	4 4 10	1°46'53	23° 9	15°33	20°28	12° 5	5°41	11° 6	21° 8	26°30	11°58	18°15	17° 3	22°26	n.a.	W 7
T 8	4 8 6	2°48'04	4♓59	17°11	21°40	12°38	5°40	11°13	21° 5	26°31	11°59	18°D14	16°59	22°33	n.a.	T 8
F 9	4 12 3	3°49'13	16°53	18°48	22°51	13°10	5°40	11°21	21° 3	26°32	12° 0	18°15	16°56	22°39	n.a.	F 9
S 10	4 15 59	4°50'21	28°55	20°23	24° 3	13°43	5°39	11°28	21° 0	26°34	12° 2	18°17	16°53	22°46	n.a.	S 10
S 11	4 19 56	5°51'28	11♈11	21°57	25°15	14°15	5°38	11°35	20°58	26°35	12° 3	18°18	16°50	22°53	n.a.	S 11
M12	4 23 52	6°52'33	23°46	23°29	26°27	14°47	5°37	11°42	20°55	26°36	12° 5	18°R18	16°47	22°59	n.a.	M12
T 13	4 27 49	7°53'37	6♉41	24°58	27°39	15°19	5°35	11°49	20°53	26°37	12° 6	18°16	16°43	23° 6	n.a.	T 13
W14	4 31 46	8°54'41	19°59	26°24	28°51	15°51	5°34	11°57	20°50	26°38	12° 8	18°12	16°40	23°13	n.a.	W14
T 15	4 35 42	9°55'43	3♊41	27°46	0♏ 3	16°23	5°32	12° 4	20°48	26°39	12° 9	18° 6	16°37	23°20	n.a.	T 15
F 16	4 39 39	10°56'44	17°42	29° 4	1°15	16°55	5°30	12°11	20°45	26°40	12°11	17°58	16°34	23°26	n.a.	F 16
S 17	4 43 35	11°57'44	1♋59	0♑17	2°27	17°27	5°28	12°18	20°43	26°40	12°12	17°48	16°31	23°33	n.a.	S 17
S 18	4 47 32	12°58'42	16°25	1°24	3°40	17°58	5°26	12°25	20°41	26°41	12°13	17°39	16°28	23°40	n.a.	S 18
M19	4 51 28	13°59'40	0♌55	2°24	4°52	18°30	5°23	12°33	20°38	26°42	12°15	17°31	16°24	23°46	n.a.	M19
T 20	4 55 25	15° 0'37	15°22	3°17	6° 4	19° 1	5°20	12°40	20°36	26°43	12°17	17°26	16°21	23°53	n.a.	T 20
W21	4 59 22	16° 1'32	29°42	4° 2	7°17	19°32	5°18	12°47	20°34	26°44	12°18	17°22	16°18	24° 0	n.a.	W21
T 22	5 3 18	17° 2'26	13♍52	4°37	8°29	20° 3	5°15	12°54	20°31	26°44	12°20	17°D21	16°15	24° 6	n.a.	T 22
F 23	5 7 15	18° 3'20	27°50	5° 3	9°42	20°34	5°11	13° 1	20°29	26°45	12°21	17°21	16°12	24°13	n.a.	F 23
S 24	5 11 11	19° 4'12	11♎37	5°19	10°54	21° 5	5° 8	13° 9	20°27	26°46	12°23	17°R22	16° 9	24°20	n.a.	S 24
S 25	5 15 8	20° 5'03	25°12	5°R24	12° 7	21°35	5° 4	13°16	20°25	26°46	12°24	17°22	16° 5	24°27	n.a.	S 25
M26	5 19 4	21° 5'53	8♏37	5°18	13°19	22° 6	5° 0	13°23	20°23	26°47	12°26	17°20	16° 2	24°33	n.a.	M26
T 27	5 23 1	22° 6'42	21°51	5° 0	14°32	22°36	4°57	13°30	20°21	26°48	12°27	17°15	15°59	24°40	n.a.	T 27
W28	5 26 57	23° 7'29	4♐55	4°33	15°45	23° 6	4°52	13°37	20°18	26°48	12°29	17° 7	15°56	24°47	n.a.	W28
T 29	5 30 54	24° 8'15	17°47	3°55	16°57	23°36	4°48	13°44	20°16	26°49	12°31	16°57	15°53	24°53	n.a.	T 29
F 30	5 34 51	25° 8'59	0♑28	3° 8	18°10	24° 6	4°44	13°52	20°14	26°49	12°32	16°45	15°49	25° 0	n.a.	F 30
S 31	5 38 47	26♐ 9'42	12♑56	2♑13	19♏23	24♍36	4♌39	13♐59	20♉12	26♍50	12♑34	16♈31	15♈46	25♒ 7	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19s32	26s11	3s59	23s40	2s 4	3s11	2n23	10n14	1n57	20n28	1n18	22s 2	0n24	18n24	0s 4	3n21	2n 3	34s46	11s28	7n30	6n56	18s31			n.a.
F 2	19 47	28 16	4 37	23 58	2 4	3 39	2 22	10 2	1 58	20 28	1 18	22 3	0 24	18 23	0 3	3 20	2 3	34 46	11 28	7 27	6 55	18 29			n.a.
S 3	20 1	28 49	5 1	24 14	2 3	4 7	2 22	9 49	1 58	20 28	1 18	22 4	0 24	18 22	0 3	3 20	2 3	34 45	11 28	7 24	6 54	18 26			n.a.
S 4	20 15	27 53	5 9	24 28	2 2	4 36	2 21	9 37	1 59	20 28	1 19	22 5	0 24	18 21	0 3	3 19	2 3	34 45	11 28	7 22	6 53	18 23			n.a.
M 5	20 29	25 38	5 4	24 40	2 0	5 4	2 20	9 25	1 59	20 29	1 19	22 6	0 24	18 21	0 3	3 19	2 3	34 45	11 27	7 20	6 51	18 21			n.a.
T 6	20 42	22 16	4 45	24 51	1 58	5 33	2 19	9 12	2 0	20 29	1 19	22 7	0 24	18 20	0 3	3 18	2 3	34 45	11 27	7 18	6 50	18 18			n.a.
W 7	20 54	18 3	4 14	24 59	1 55	6 1	2 18	9 0	2 0	20 29	1 20	22 8	0 24	18 19	0 3	3 18	2 3	34 44	11 27	7 17	6 49	18 15			n.a.
T 8	21 7	13 9	3 33	25 6	1 51	6 29	2 17	8 48	2 1	20 30	1 20	22 10	0 24	18 19	0 3	3 17	2 4	34 44	11 27	7 17	6 48	18 12			n.a.
F 9	21 19	7 45	2 41	25 10	1 46	6 57	2 16	8 36	2 1	20 30	1 20	22 11	0 23	18 18	0 3	3 17	2 4	34 44	11 27	7 17	6 47	18 10			n.a.
S 10	21 30	2 0	1 43	25 13	1 41	7 25	2 15	8 23	2 2	20 31	1 21	22 12	0 23	18 17	0 3	3 17	2 4	34 44	11 27	7 18	6 45	18 7			n.a.
S 11	21 41	3n55	0 38	25 13	1 35	7 53	2 14	8 11	2 2	20 31	1 21	22 13	0 23	18 17	0 3	3 16	2 4	34 43	11 27	7 18	6 44	18 4			n.a.
M12	21 52	9 51	0n29	25 11	1 28	8 21	2 12	7 59	2 3	20 32	1 21	22 14	0 23	18 16	0 3	3 16	2 4	34 43	11 26	7 18	6 43	18 1			n.a.
T 13	22 2	15 32	1 37	25 7	1 20	8 48	2 11	7 47	2 3	20 33	1 21	22 15	0 23	18 15	0 3	3 16	2 4	34 43	11 26	7 18	6 42	17 59			n.a.
W14	22 12	20 40	2 42	25 1	1 11	9 16	2 9	7 35	2 4	20 33	1 22	22 16	0 23	18 15	0 3	3 15	2 4	34 42	11 26	7 16	6 40	17 56			n.a.
T 15	22 21	24 52	3 39	24 53	1 1	9 43	2 7	7 22	2 4	20 34	1 22	22 17	0 23	18 14	0 3	3 15	2 4	34 42	11 26	7 14	6 39	17 53			n.a.
F 16	22 30	27 41	4 24	24 43	0 50	10 10	2 6	7 10	2 5	20 35	1 22	22 18	0 23	18 14	0 3	3 15	2 4	34 42	11 26	7 10	6 38	17 50			n.a.
S 17	22 39	28 46	4 54	24 31	0 38	10 37	2 4	6 58	2 5	20 36	1 23	22 19	0 23	18 13	0 3	3 14	2 4	34 42	11 26	7 7	6 37	17 47			n.a.
S 18	22 47	27 54	5 5	24 18	0 25	11 4	2 2	6 46	2 6	20 37	1 23	22 20	0 23	18 12	0 3	3 14	2 4	34 41	11 26	7 3	6 35	17 45			n.a.
M19	22 55	25 9	4 57	24 3	0 11	11 30	2 0	6 34	2 6	20 37	1 23	22 21	0 23	18 12	0 3	3 14	2 4	34 41	11 26	7 0	6 34	17 42			n.a.
T 20	23 2	20 49	4 30	23 47	0n 4	11 56	1 58	6 22	2 7	20 38	1 24	22 22	0 23	18 11	0 3	3 13	2 4	34 41	11 26	6 58	6 33	17 39			n.a.
W21	23 8	15 18	3 46	23 30	0 20	12 22	1 56	6 10	2 7	20 39	1 24	22 23	0 23	18 10	0 3	3 13	2 4	34 41	11 26	6 57	6 32	17 36			n.a.
T 22	23 15	9 3	2 49	23 12	0 37	12 48	1 54	5 58	2 8	20 41	1 24	22 24	0 22	18 10	0 3	3 13	2 4	34 41	11 25	6 56	6 30	17 33			n.a.
F 23	23 21	2 26	1 42	22 54	0 54	13 14	1 52	5 46	2 8	20 42	1 25	22 25	0 22	18 9	0 3	3 13	2 5	34 40	11 25	6 56	6 29	17 31			n.a.
S 24	23 26	4s12	0 31	22 35	1 12	13 39	1 49	5 34	2 9	20 43	1 25	22 26	0 22	18 9	0 3	3 13	2 5	34 40	11 25	6 56	6 28	17 28			n.a.
S 25	23 31	10 35	0s42	22 17	1 30	14 4	1 47	5 22	2 9	20 44	1 25	22 27	0 22	18 8	0 3	3 12	2 5	34 40	11 25	6 56	6 27	17 25			n.a.
M26	23 35	16 23	1 51	21 59	1 48	14 28	1 45	5 10	2 10	20 45	1 25	22 28	0 22	18 8	0 3	3 12	2 5	34 40	11 25	6 56	6 25	17 22			n.a.
T 27	23 39	21 21	2 53	21 42	2 6	14 52	1 42	4 59	2 10	20 46	1 26	22 29	0 22	18 7	0 3	3 12	2 5	34 39	11 25	6 54	6 24	17 19			n.a.
W28	23 42	25 12	3 44	21 25	2 23	15 16	1 40	4 47	2 11	20 48	1 26	22 30	0 22	18 6	0 3	3 12	2 5	34 39	11 25	6 51	6 23	17 17			n.a.
T 29	23 45	27 42	4 24	21 10	2 40	15 40	1 37	4 35	2 11	20 49	1 26	22 31	0 22	18 6	0 3	3 12	2 5	34 39	11 25	6 47	6 22	17 14			n.a.
F 30	23 48	28 43	4 49	20 56	2 56	16 3	1 35	4 24	2 12	20 50	1 27	22 32	0 22	18 5	0 3	3 12	2 5	34 39	11 25	6 42	6 20	17 11			n.a.
S 31	23s50	28s14	5s 1	20s43	3n10	16s26	1n32	4n12	2n12	20n52	1n27	22s33	0n22	18n 5	0s 3	3n12	2n 5	34s38	11s25	6n37	6n19	17s 8			n.a.

Julian Day Number = 1114346.5, Delta T = 10h48m58s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -26°00'03, Lahiri = -26°53'03 Julian Calendar 1 Dec. 1663 BCE == Greg. Calendar 17 Nov. 1663 BCE

The year -1662 astronomical counting style corresponds to year 1663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

JANUARY 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 42 44	27♐10'23	25♑12	1°R12	20♏36	25♍ 5	4°R34	14♐ 6	20°R10	26♍50	12♑36	16°R19	15♈43	25♒13	n.a.	S 1
M 2	5 46 40	28°11'02	7♒18	0♑ 7	21°48	25°35	4♌29	14°13	20♉ 9	26°50	12°37	16♈ 7	15°40	25°20	n.a.	M 2
T 3	5 50 37	29°11'40	19°14	28♐58	23° 1	26° 4	4°24	14°20	20° 7	26°51	12°39	15°58	15°37	25°27	n.a.	T 3
W 4	5 54 33	0♑12'15	1♓ 4	27°49	24°14	26°33	4°19	14°27	20° 5	26°51	12°40	15°51	15°34	25°33	n.a.	W 4
T 5	5 58 30	1°12'48	12°53	26°41	25°27	27° 2	4°13	14°34	20° 3	26°51	12°42	15°48	15°30	25°40	n.a.	T 5
F 6	6 2 26	2°13'20	24°44	25°35	26°40	27°30	4° 8	14°41	20° 1	26°51	12°44	15°46	15°27	25°47	n.a.	F 6
S 7	6 6 23	3°13'49	6♈44	24°33	27°53	27°59	4° 2	14°48	20° 0	26°52	12°45	15°D46	15°24	25°54	n.a.	S 7
S 8	6 10 20	4°14'16	18°58	23°36	29° 6	28°27	3°56	14°55	19°58	26°52	12°47	15°R46	15°21	26° 0	n.a.	S 8
M 9	6 14 16	5°14'41	1♉30	22°46	0♐19	28°55	3°50	15° 2	19°56	26°52	12°49	15°45	15°18	26° 7	n.a.	M 9
T 10	6 18 13	6°15'04	14°26	22° 2	1°32	29°23	3°44	15° 9	19°55	26°52	12°50	15°42	15°15	26°14	n.a.	T 10
W11	6 22 9	7°15'25	27°49	21°25	2°45	29°51	3°38	15°16	19°53	26°52	12°52	15°37	15°11	26°20	n.a.	W11
T 12	6 26 6	8°15'44	11♊40	20°56	3°58	0♎18	3°32	15°23	19°52	26°R52	12°54	15°29	15° 8	26°27	n.a.	T 12
F 13	6 30 2	9°16'01	25°58	20°34	5°11	0°45	3°25	15°29	19°50	26°52	12°55	15°18	15° 5	26°34	n.a.	F 13
S 14	6 33 59	10°16'16	10♋36	20°20	6°24	1°12	3°19	15°36	19°49	26°52	12°57	15° 7	15° 2	26°40	n.a.	S 14
S 15	6 37 56	11°16'29	25°29	20°12	7°37	1°39	3°12	15°43	19°48	26°52	12°59	14°55	14°59	26°47	n.a.	S 15
M16	6 41 52	12°16'39	10♌26	20°D12	8°50	2° 6	3° 5	15°50	19°46	26°52	13° 1	14°44	14°55	26°54	n.a.	M16
T 17	6 45 49	13°16'49	25°18	20°18	10° 3	2°32	2°58	15°56	19°45	26°52	13° 2	14°36	14°52	27° 0	n.a.	T 17
W18	6 49 45	14°16'56	9♍59	20°30	11°16	2°58	2°51	16° 3	19°44	26°51	13° 4	14°31	14°49	27° 7	n.a.	W18
T 19	6 53 42	15°17'01	24°23	20°47	12°29	3°24	2°44	16°10	19°43	26°51	13° 6	14°28	14°46	27°14	n.a.	T 19
F 20	6 57 38	16°17'05	8♎27	21°10	13°42	3°49	2°37	16°16	19°41	26°51	13° 7	14°27	14°43	27°21	n.a.	F 20
S 21	7 1 35	17°17'07	22°11	21°39	14°55	4°15	2°30	16°23	19°40	26°51	13° 9	14°27	14°40	27°27	n.a.	S 21
S 22	7 5 31	18°17'07	5♏37	22°12	16° 8	4°40	2°23	16°29	19°39	26°50	13°11	14°27	14°36	27°34	n.a.	S 22
M23	7 9 28	19°17'05	18°47	22°49	17°21	5° 5	2°15	16°36	19°38	26°50	13°12	14°24	14°33	27°41	n.a.	M23
T 24	7 13 24	20°17'02	1♐43	23°30	18°35	5°29	2° 8	16°42	19°37	26°50	13°14	14°19	14°30	27°47	n.a.	T 24
W25	7 17 21	21°16'57	14°27	24°15	19°48	5°53	2° 0	16°49	19°37	26°49	13°16	14°11	14°27	27°54	n.a.	W25
T 26	7 21 18	22°16'49	27° 1	25° 4	21° 1	6°17	1°53	16°55	19°36	26°49	13°17	13°59	14°24	28° 1	n.a.	T 26
F 27	7 25 14	23°16'40	9♑24	25°56	22°14	6°41	1°45	17° 1	19°35	26°48	13°19	13°46	14°21	28° 7	n.a.	F 27
S 28	7 29 11	24°16'29	21°39	26°51	23°27	7° 4	1°38	17° 8	19°34	26°48	13°21	13°32	14°17	28°14	n.a.	S 28
S 29	7 33 7	25°16'15	3♒45	27°49	24°40	7°27	1°30	17°14	19°34	26°47	13°22	13°18	14°14	28°21	n.a.	S 29
M30	7 37 4	26°16'00	15°43	28°50	25°54	7°50	1°22	17°20	19°33	26°47	13°24	13° 6	14°11	28°27	n.a.	M30
T 31	7 41 0	27♑15'42	27♒36	29♐53	27♐ 7	8♎12	1♌14	17♐26	19♉32	26♍46	13♑26	12♈55	14♈ 8	28♒34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s52	26s22	4s58	20s31	3n22	16s48	1n29	4n 1	2n13	20n53	1n27	22s34	0n22	18n 4	0s 3	3n11	2n 5	34s38	11s25	6n32	6n18	17s 5			n.a.
M 2	23 53	23 19	4 41	20 21	3 32	17 10	1 27	3 49	2 13	20 55	1 27	22 35	0 22	18 4	0 3	3 11	2 5	34 38	11 25	6 27	6 17	17 2			n.a.
T 3	23 53	19 19	4 13	20 13	3 40	17 31	1 24	3 38	2 14	20 56	1 28	22 36	0 22	18 3	0 3	3 11	2 5	34 38	11 25	6 24	6 15	16 59			n.a.
W 4	23 53	14 37	3 33	20 7	3 46	17 52	1 21	3 26	2 14	20 58	1 28	22 37	0 22	18 3	0 3	3 11	2 5	34 38	11 25	6 21	6 14	16 57			n.a.
T 5	23 53	9 22	2 45	20 2	3 49	18 13	1 18	3 15	2 15	20 59	1 28	22 37	0 21	18 2	0 3	3 11	2 5	34 38	11 25	6 20	6 13	16 54			n.a.
F 6	23 52	3 47	1 49	19 59	3 50	18 33	1 16	3 4	2 15	21 1	1 28	22 38	0 21	18 2	0 3	3 11	2 6	34 37	11 25	6 19	6 12	16 51			n.a.
S 7	23 51	2n 0	0 48	19 57	3 49	18 53	1 13	2 53	2 16	21 3	1 29	22 39	0 21	18 1	0 3	3 11	2 6	34 37	11 25	6 19	6 10	16 48			n.a.
S 8	23 49	7 49	0n17	19 58	3 46	19 12	1 10	2 42	2 16	21 4	1 29	22 40	0 21	18 1	0 3	3 11	2 6	34 37	11 25	6 19	6 9	16 45			n.a.
M 9	23 47	13 30	1 22	20 0	3 42	19 31	1 7	2 31	2 16	21 6	1 29	22 41	0 21	18 1	0 3	3 11	2 6	34 37	11 25	6 19	6 8	16 42			n.a.
T 10	23 44	18 47	2 25	20 4	3 35	19 49	1 4	2 20	2 17	21 8	1 29	22 42	0 21	18 0	0 3	3 11	2 6	34 37	11 25	6 18	6 7	16 39			n.a.
W11	23 41	23 20	3 23	20 9	3 28	20 6	1 1	2 9	2 17	21 9	1 30	22 43	0 21	18 0	0 3	3 11	2 6	34 36	11 25	6 16	6 5	16 36			n.a.
T 12	23 38	26 44	4 10	20 16	3 19	20 23	0 58	1 59	2 18	21 11	1 30	22 43	0 21	17 59	0 3	3 11	2 6	34 36	11 25	6 12	6 4	16 34			n.a.
F 13	23 34	28 33	4 43	20 25	3 9	20 40	0 55	1 48	2 18	21 13	1 30	22 44	0 21	17 59	0 3	3 11	2 6	34 36	11 25	6 8	6 3	16 31			n.a.
S 14	23 29	28 26	4 59	20 34	2 58	20 56	0 52	1 38	2 19	21 15	1 30	22 45	0 21	17 59	0 3	3 12	2 6	34 36	11 25	6 4	6 2	16 28			n.a.
S 15	23 24	26 16	4 55	20 45	2 47	21 11	0 49	1 27	2 19	21 16	1 31	22 46	0 21	17 58	0 3	3 12	2 6	34 36	11 25	5 59	6 0	16 25			n.a.
M16	23 19	22 17	4 31	20 56	2 36	21 26	0 46	1 17	2 19	21 18	1 31	22 47	0 21	17 58	0 3	3 12	2 6	34 36	11 25	5 55	5 59	16 22			n.a.
T 17	23 13	16 54	3 48	21 8	2 24	21 40	0 43	1 6	2 20	21 20	1 31	22 47	0 21	17 57	0 3	3 12	2 6	34 36	11 25	5 52	5 58	16 19			n.a.
W18	23 6	10 36	2 51	21 21	2 12	21 54	0 40	0 56	2 20	21 22	1 31	22 48	0 21	17 57	0 3	3 12	2 6	34 35	11 25	5 49	5 57	16 16			n.a.
T 19	23 0	3 52	1 44	21 35	2 0	22 7	0 37	0 46	2 21	21 24	1 31	22 49	0 21	17 57	0 3	3 12	2 7	34 35	11 25	5 48	5 55	16 13			n.a.
F 20	22 53	2s55	0 32	21 48	1 47	22 19	0 34	0 36	2 21	21 26	1 31	22 50	0 20	17 57	0 3	3 12	2 7	34 35	11 25	5 48	5 54	16 10			n.a.
S 21	22 45	9 25	0s41	22 2	1 35	22 31	0 31	0 26	2 21	21 27	1 32	22 50	0 20	17 56	0 3	3 12	2 7	34 35	11 25	5 48	5 53	16 7			n.a.
S 22	22 37	15 21	1 49	22 16	1 23	22 42	0 28	0 17	2 22	21 29	1 32	22 51	0 20	17 56	0 3	3 13	2 7	34 35	11 25	5 48	5 52	16 4			n.a.
M23	22 28	20 28	2 51	22 30	1 12	22 52	0 25	0 7	2 22	21 31	1 32	22 52	0 20	17 56	0 3	3 13	2 7	34 35	11 25	5 47	5 50	16 1			n.a.
T 24	22 20	24 31	3 42	22 44	1 0	23 2	0 22	0s 3	2 23	21 33	1 32	22 53	0 20	17 56	0 3	3 13	2 7	34 35	11 25	5 45	5 49	15 59			n.a.
W25	22 10	27 17	4 21	22 57	0 49	23 11	0 19	0 12	2 23	21 35	1 32	22 53	0 20	17 55	0 3	3 13	2 7	34 35	11 25	5 42	5 48	15 56			n.a.
T 26	22 1	28 38	4 47	23 10	0 37	23 19	0 16	0 21	2 23	21 37	1 32	22 54	0 20	17 55	0 3	3 14	2 7	34 34	11 26	5 37	5 47	15 53			n.a.
F 27	21 50	28 31	4 59	23 23	0 26	23 27	0 13	0 31	2 24	21 39	1 33	22 55	0 20	17 55	0 3	3 14	2 7	34 34	11 26	5 32	5 45	15 50			n.a.
S 28	21 40	27 0	4 57	23 35	0 16	23 34	0 10	0 40	2 24	21 41	1 33	22 55	0 20	17 55	0 3	3 14	2 7	34 34	11 26	5 26	5 44	15 47			n.a.
S 29	21 29	24 14	4 41	23 47	0 5	23 40	0 7	0 49	2 24	21 43	1 33	22 56	0 20	17 55	0 3	3 14	2 7	34 34	11 26	5 21	5 43	15 44			n.a.
M30	21 18	20 27	4 13	23 58	0s 5	23 46	0 4	0 58	2 25	21 44	1 33	22 57	0 20	17 54	0 3	3 15	2 7	34 34	11 26	5 16	5 42	15 41			n.a.
T 31	21s 6	15s53	3s35	24s 8	0s14	23s51	0n 1	1s 6	2n25	21n46	1n33	22s57	0n20	17n54	0s 3	3n15	2n 7	34s34	11s26	5n12	5n40	15s38			n.a.

Julian Day Number = 1114377.5, Delta T = 10h48m56s
Ecliptic obliquity = 23°53'26, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'59, Lahiri = -26°52'59 Julian Calendar 1 Jan. 1662 BCE == Greg. Calendar 18 Dec. 1663 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

FEBRUARY 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 44 57	28♉15'21	9♓24	0♉59	28♐20	8♎34	1°R 7	17♐32	19°R32	26°R45	13♉27	12°R48	14♈ 5	28♒41	n.a.	W 1
T 2	7 48 53	29°14'59	21°12	2° 6	29°33	8°56	0♌59	17°38	19♉32	26♍45	13°29	12♈43	14° 1	28°47	n.a.	T 2
F 3	7 52 50	0♒14'33	3♈ 3	3°16	0♉46	9°18	0°51	17°44	19°31	26°44	13°31	12°41	13°58	28°54	n.a.	F 3
S 4	7 56 47	1°14'06	15° 1	4°29	2° 0	9°38	0°43	17°50	19°31	26°43	13°32	12°D41	13°55	29° 1	n.a.	S 4
S 5	8 0 43	2°13'36	27°12	5°43	3°13	9°59	0°35	17°56	19°30	26°43	13°34	12°R41	13°52	29° 8	n.a.	S 5
M 6	8 4 40	3°13'03	9♉41	6°59	4°26	10°19	0°28	18° 2	19°30	26°42	13°35	12°41	13°49	29°14	n.a.	M 6
T 7	8 8 36	4°12'28	22°32	8°16	5°39	10°39	0°20	18° 8	19°30	26°41	13°37	12°39	13°46	29°21	n.a.	T 7
W 8	8 12 33	5°11'51	5♊51	9°36	6°52	10°59	0°12	18°13	19°30	26°40	13°39	12°36	13°42	29°28	n.a.	W 8
T 9	8 16 29	6°11'11	19°40	10°57	8° 6	11°18	0° 4	18°19	19°30	26°39	13°40	12°30	13°39	29°34	n.a.	T 9
F 10	8 20 26	7°10'29	3♋59	12°20	9°19	11°36	29♋57	18°24	19°D30	26°38	13°42	12°21	13°36	29°41	n.a.	F 10
S 11	8 24 22	8° 9'45	18°43	13°44	10°32	11°55	29°49	18°30	19°30	26°38	13°43	12°12	13°33	29°48	n.a.	S 11
S 12	8 28 19	9° 8'58	3♌47	15°10	11°45	12°13	29°41	18°35	19°30	26°37	13°45	12° 2	13°30	29°54	n.a.	S 12
M13	8 32 16	10° 8'08	19° 0	16°38	12°58	12°30	29°34	18°41	19°30	26°36	13°46	11°53	13°27	0♓ 1	n.a.	M13
T 14	8 36 12	11° 7'17	4♍12	18° 7	14°12	12°47	29°26	18°46	19°30	26°35	13°48	11°47	13°23	0° 8	n.a.	T 14
W15	8 40 9	12° 6'23	19°13	19°37	15°25	13° 3	29°19	18°51	19°31	26°34	13°49	11°42	13°20	0°14	n.a.	W15
T 16	8 44 5	13° 5'28	3♎55	21° 9	16°38	13°20	29°11	18°57	19°31	26°33	13°51	11°40	13°17	0°21	n.a.	T 16
F 17	8 48 2	14° 4'30	18°14	22°43	17°51	13°35	29° 4	19° 2	19°31	26°31	13°52	11°D40	13°14	0°28	n.a.	F 17
S 18	8 51 58	15° 3'31	2♏ 7	24°18	19° 5	13°50	28°57	19° 7	19°32	26°30	13°54	11°41	13°11	0°34	n.a.	S 18
S 19	8 55 55	16° 2'29	15°37	25°54	20°18	14° 5	28°50	19°12	19°32	26°29	13°55	11°R41	13° 7	0°41	n.a.	S 19
M20	8 59 51	17° 1'26	28°45	27°32	21°31	14°19	28°42	19°17	19°33	26°28	13°57	11°41	13° 4	0°48	n.a.	M20
T 21	9 3 48	18° 0'21	11♐33	29°11	22°44	14°32	28°35	19°22	19°33	26°27	13°58	11°38	13° 1	0°54	n.a.	T 21
W22	9 7 44	18°59'14	24° 7	0♒52	23°58	14°45	28°29	19°26	19°34	26°26	14° 0	11°33	12°58	1° 1	n.a.	W22
T 23	9 11 41	19°58'05	6♑28	2°34	25°11	14°58	28°22	19°31	19°34	26°25	14° 1	11°26	12°55	1° 8	n.a.	T 23
F 24	9 15 38	20°56'54	18°38	4°18	26°24	15°10	28°15	19°36	19°35	26°23	14° 3	11°17	12°52	1°15	n.a.	F 24
S 25	9 19 34	21°55'41	0♒41	6° 3	27°37	15°21	28° 8	19°40	19°36	26°22	14° 4	11° 8	12°48	1°21	n.a.	S 25
S 26	9 23 31	22°54'26	12°38	7°49	28°51	15°32	28° 2	19°45	19°37	26°21	14° 5	10°58	12°45	1°28	n.a.	S 26
M27	9 27 27	23°53'09	24°30	9°37	0♒ 4	15°42	27°55	19°49	19°38	26°20	14° 7	10°50	12°42	1°35	n.a.	M27
T 28	9 31 24	24♒51'50	6♓20	11♒27	1♒17	15♎52	27♋49	19♐54	19♉39	26♍18	14♉ 8	10♈43	12♈39	1♓41	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20s54	10s45	2s47	24s17	0s24	23s55	0s 2	1s15	2n25	21n48	1n33	22s58	0n20	17n54	0s 3	3n15	2n 7	34s34	11s26	5n 9	5n39	15s35		n.a.
T 2	20 42	5 15	1 51	24 25	0 33	23 58	0 5	1 23	2 25	21 50	1 33	22 59	0 20	17 54	0 3	3 16	2 7	34 34	11 26	5 7	5 38	15 32		n.a.
F 3	20 29	0n27	0 51	24 32	0 41	24 1	0 8	1 31	2 26	21 52	1 33	22 59	0 20	17 54	0 3	3 16	2 8	34 34	11 26	5 6	5 37	15 29		n.a.
S 4	20 16	6 13	0n12	24 38	0 50	24 3	0 11	1 40	2 26	21 54	1 33	23 0	0 20	17 54	0 3	3 16	2 8	34 34	11 27	5 6	5 35	15 26		n.a.
S 5	20 2	11 51	1 16	24 43	0 58	24 4	0 13	1 48	2 26	21 55	1 34	23 0	0 20	17 54	0 3	3 17	2 8	34 34	11 27	5 6	5 34	15 23		n.a.
M 6	19 48	17 10	2 18	24 47	1 5	24 5	0 16	1 56	2 26	21 57	1 34	23 1	0 19	17 54	0 3	3 17	2 8	34 34	11 27	5 6	5 33	15 20		n.a.
T 7	19 34	21 54	3 15	24 50	1 12	24 5	0 19	2 3	2 27	21 59	1 34	23 2	0 19	17 54	0 3	3 17	2 8	34 34	11 27	5 5	5 32	15 17		n.a.
W 8	19 20	25 41	4 4	24 51	1 19	24 4	0 22	2 11	2 27	22 1	1 34	23 2	0 19	17 54	0 3	3 18	2 8	34 34	11 27	5 4	5 30	15 14		n.a.
T 9	19 5	28 8	4 40	24 51	1 26	24 2	0 24	2 18	2 27	22 3	1 34	23 3	0 19	17 54	0 3	3 18	2 8	34 34	11 27	5 2	5 29	15 11		n.a.
F 10	18 50	28 50	5 0	24 50	1 32	24 0	0 27	2 26	2 27	22 4	1 34	23 3	0 19	17 54	0 3	3 19	2 8	34 34	11 27	4 58	5 28	15 8		n.a.
S 11	18 34	27 31	5 1	24 47	1 37	23 57	0 29	2 33	2 27	22 6	1 34	23 4	0 19	17 54	0 3	3 19	2 8	34 33	11 28	4 55	5 27	15 5		n.a.
S 12	18 18	24 14	4 42	24 43	1 43	23 53	0 32	2 40	2 27	22 8	1 34	23 4	0 19	17 54	0 3	3 19	2 8	34 33	11 28	4 51	5 25	15 2		n.a.
M13	18 2	19 14	4 3	24 37	1 48	23 49	0 34	2 46	2 27	22 9	1 34	23 5	0 19	17 54	0 3	3 20	2 8	34 33	11 28	4 47	5 24	14 59		n.a.
T 14	17 46	13 2	3 6	24 29	1 52	23 44	0 37	2 53	2 27	22 11	1 34	23 5	0 19	17 54	0 3	3 20	2 8	34 33	11 28	4 44	5 23	14 56		n.a.
W15	17 29	6 8	1 57	24 20	1 56	23 38	0 39	3 0	2 27	22 13	1 34	23 6	0 19	17 54	0 3	3 21	2 8	34 33	11 28	4 43	5 22	14 53		n.a.
T 16	17 12	0s57	0 41	24 10	2 0	23 31	0 42	3 6	2 28	22 14	1 34	23 6	0 19	17 54	0 3	3 21	2 8	34 33	11 28	4 42	5 20	14 50		n.a.
F 17	16 55	7 49	0s35	23 57	2 3	23 24	0 44	3 12	2 28	22 16	1 34	23 7	0 19	17 54	0 3	3 22	2 8	34 33	11 29	4 42	5 19	14 47		n.a.
S 18	16 37	14 7	1 47	23 43	2 5	23 16	0 46	3 18	2 28	22 17	1 34	23 7	0 19	17 54	0 3	3 22	2 8	34 33	11 29	4 42	5 18	14 44		n.a.
S 19	16 20	19 33	2 51	23 27	2 8	23 7	0 49	3 24	2 27	22 19	1 34	23 8	0 19	17 54	0 3	3 23	2 8	34 33	11 29	4 42	5 17	14 41		n.a.
M20	16 2	23 54	3 45	23 10	2 9	22 58	0 51	3 29	2 27	22 20	1 34	23 8	0 19	17 54	0 3	3 23	2 8	34 34	11 29	4 42	5 15	14 38		n.a.
T 21	15 43	26 58	4 25	22 50	2 11	22 48	0 53	3 35	2 27	22 22	1 34	23 9	0 19	17 55	0 2	3 24	2 9	34 34	11 29	4 41	5 14	14 35		n.a.
W22	15 25	28 37	4 52	22 29	2 12	22 37	0 55	3 40	2 27	22 23	1 34	23 9	0 19	17 55	0 2	3 24	2 9	34 34	11 30	4 39	5 13	14 32		n.a.
T 23	15 6	28 48	5 5	22 6	2 12	22 26	0 57	3 45	2 27	22 25	1 34	23 10	0 19	17 55	0 2	3 25	2 9	34 34	11 30	4 36	5 12	14 28		n.a.
F 24	14 47	27 34	5 4	21 41	2 12	22 14	0 59	3 50	2 27	22 26	1 34	23 10	0 18	17 55	0 2	3 25	2 9	34 34	11 30	4 33	5 10	14 25		n.a.
S 25	14 28	25 4	4 49	21 14	2 11	22 1	1 1	3 54	2 27	22 27	1 34	23 10	0 18	17 55	0 2	3 26	2 9	34 34	11 30	4 29	5 9	14 22		n.a.
S 26	14 8	21 30	4 21	20 45	2 10	21 48	1 3	3 59	2 26	22 29	1 34	23 11	0 18	17 56	0 2	3 26	2 9	34 34	11 30	4 25	5 8	14 19		n.a.
M27	13 49	17 5	3 43	20 14	2 8	21 34	1 5	4 3	2 26	22 30	1 34	23 11	0 18	17 56	0 2	3 27	2 9	34 34	11 31	4 22	5 7	14 16		n.a.
T 28	13s29	12s 3	2s54	19s41	2s 6	21s20	1s 6	4s 7	2n26	22n31	1n34	23s12	0n18	17n56	0s 2	3n28	2n 9	34s34	11s31	4n19	5n 5	14s13		n.a.

Julian Day Number = 1114408.5, Delta T = 10h48m54s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'55, Lahiri = -26°52'55 Julian Calendar 1 Feb. 1662 BCE == Greg. Calendar 18 Jan. 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

MARCH 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 35 20	25♒50'28	18♓ 8	13♒18	2♒30	16♎ 1	27°R43	19♐58	19♉39	26°R17	14♑ 9	10°R38	12♈36	1♓48	n.a.	W 1
T 2	9 39 17	26°49'05	29°57	15°11	3°44	16° 9	27♋37	20° 2	19°41	26♍16	14°11	10♈36	12°33	1°55	n.a.	T 2
F 3	9 43 13	27°47'39	11♈51	17° 5	4°57	16°17	27°31	20° 6	19°42	26°14	14°12	10°D35	12°29	2° 1	n.a.	F 3
S 4	9 47 10	28°46'11	23°53	19° 1	6°10	16°24	27°25	20°10	19°43	26°13	14°13	10°36	12°26	2° 8	n.a.	S 4
S 5	9 51 6	29°44'40	6♉ 5	20°58	7°24	16°30	27°19	20°14	19°44	26°11	14°15	10°37	12°23	2°15	n.a.	S 5
M 6	9 55 3	0♓43'07	18°34	22°56	8°37	16°36	27°14	20°18	19°45	26°10	14°16	10°39	12°20	2°21	n.a.	M 6
T 7	9 59 0	1°41'32	1♊23	24°56	9°50	16°41	27° 8	20°22	19°46	26° 9	14°17	10°R39	12°17	2°28	n.a.	T 7
W 8	10 2 56	2°39'55	14°37	26°58	11° 3	16°45	27° 3	20°26	19°48	26° 7	14°18	10°39	12°13	2°35	n.a.	W 8
T 9	10 6 53	3°38'16	28°18	29° 1	12°17	16°49	26°58	20°30	19°49	26° 6	14°19	10°36	12°10	2°41	n.a.	T 9
F 10	10 10 49	4°36'34	12♋27	1♓ 5	13°30	16°52	26°53	20°33	19°51	26° 4	14°21	10°33	12° 7	2°48	n.a.	F 10
S 11	10 14 46	5°34'50	27° 3	3°10	14°43	16°54	26°48	20°37	19°52	26° 3	14°22	10°28	12° 4	2°55	n.a.	S 11
S 12	10 18 42	6°33'04	12♌ 1	5°16	15°56	16°56	26°44	20°40	19°54	26° 1	14°23	10°23	12° 1	3° 1	n.a.	S 12
M13	10 22 39	7°31'15	27°12	7°23	17°10	16°57	26°39	20°43	19°55	26° 0	14°24	10°18	11°58	3° 8	n.a.	M13
T 14	10 26 35	8°29'25	12♍28	9°31	18°23	16°R57	26°35	20°47	19°57	25°58	14°25	10°15	11°54	3°15	n.a.	T 14
W15	10 30 32	9°27'33	27°38	11°39	19°36	16°56	26°31	20°50	19°59	25°57	14°26	10°13	11°51	3°21	n.a.	W15
T 16	10 34 28	10°25'38	12♎32	13°47	20°49	16°55	26°27	20°53	20° 0	25°55	14°27	10°D13	11°48	3°28	n.a.	T 16
F 17	10 38 25	11°23'43	27° 4	15°56	22° 3	16°53	26°23	20°56	20° 2	25°54	14°28	10°13	11°45	3°35	n.a.	F 17
S 18	10 42 22	12°21'45	11♏10	18° 4	23°16	16°50	26°19	20°59	20° 4	25°52	14°29	10°15	11°42	3°41	n.a.	S 18
S 19	10 46 18	13°19'46	24°49	20°11	24°29	16°46	26°16	21° 1	20° 6	25°50	14°30	10°16	11°39	3°48	n.a.	S 19
M20	10 50 15	14°17'46	8♐ 3	22°18	25°43	16°42	26°13	21° 4	20° 8	25°49	14°31	10°17	11°35	3°55	n.a.	M20
T 21	10 54 11	15°15'44	20°54	24°24	26°56	16°37	26°10	21° 7	20°10	25°47	14°32	10°R17	11°32	4° 1	n.a.	T 21
W22	10 58 8	16°13'41	3♑25	26°28	28° 9	16°31	26° 7	21° 9	20°12	25°46	14°33	10°16	11°29	4° 8	n.a.	W22
T 23	11 2 4	17°11'36	15°41	28°31	29°22	16°24	26° 4	21°12	20°14	25°44	14°34	10°14	11°26	4°15	n.a.	T 23
F 24	11 6 1	18° 9'30	27°45	0♈31	0♓36	16°16	26° 1	21°14	20°16	25°43	14°35	10°11	11°23	4°21	n.a.	F 24
S 25	11 9 57	19° 7'22	9♒42	2°29	1°49	16° 8	25°59	21°16	20°18	25°41	14°36	10° 8	11°19	4°28	n.a.	S 25
S 26	11 13 54	20° 5'12	21°33	4°25	3° 2	15°59	25°57	21°18	20°20	25°39	14°37	10° 4	11°16	4°35	n.a.	S 26
M27	11 17 51	21° 3'01	3♓21	6°18	4°16	15°50	25°54	21°20	20°22	25°38	14°38	10° 1	11°13	4°42	n.a.	M27
T 28	11 21 47	22° 0'49	15°10	8° 8	5°29	15°39	25°53	21°22	20°24	25°36	14°38	9°59	11°10	4°48	n.a.	T 28
W29	11 25 44	22°58'35	27° 1	9°55	6°42	15°28	25°51	21°24	20°27	25°34	14°39	9°58	11° 7	4°55	n.a.	W29
T 30	11 29 40	23°56'19	8♈57	11°39	7°56	15°16	25°49	21°26	20°29	25°33	14°40	9°D57	11° 4	5° 2	n.a.	T 30
F 31	11 33 37	24♓54'02	20♈59	13♈19	9♓ 9	15♎ 4	25♋48	21♐28	20♉31	25♍31	14♑41	9♈57	11♈ 0	5♓ 8	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	13s 9	6s35	1s58	19s 6	2s 3	21s 4	1s 8	4s11	2n26	22n32	1n34	23s12	0n18	17n57	0s 2	3n28	2n 9	34s34	11s31	4n17	5n 4	14s10			n.a.
T 2	12 48	0 53	0 57	18 30	2 0	20 49	1 10	4 14	2 25	22 33	1 33	23 12	0 18	17 57	0 2	3 29	2 9	34 34	11 31	4 16	5 3	14 7			n.a.
F 3	12 28	4n53	0n 7	17 51	1 56	20 32	1 11	4 18	2 25	22 34	1 33	23 13	0 18	17 57	0 2	3 29	2 9	34 34	11 32	4 16	5 1	14 4			n.a.
S 4	12 7	10 32	1 12	17 10	1 52	20 15	1 13	4 21	2 24	22 36	1 33	23 13	0 18	17 57	0 2	3 30	2 9	34 34	11 32	4 16	5 0	14 1			n.a.
S 5	11 46	15 54	2 14	16 28	1 47	19 58	1 14	4 24	2 24	22 37	1 33	23 14	0 18	17 58	0 2	3 31	2 9	34 34	11 32	4 17	4 59	13 58			n.a.
M 6	11 25	20 45	3 12	15 43	1 41	19 40	1 16	4 27	2 23	22 38	1 33	23 14	0 18	17 58	0 2	3 31	2 9	34 34	11 32	4 17	4 58	13 55			n.a.
T 7	11 4	24 46	4 1	14 57	1 35	19 21	1 17	4 29	2 23	22 39	1 33	23 14	0 18	17 58	0 2	3 32	2 9	34 35	11 33	4 18	4 56	13 52			n.a.
W 8	10 43	27 37	4 40	14 8	1 29	19 2	1 18	4 31	2 22	22 40	1 33	23 15	0 18	17 59	0 2	3 32	2 9	34 35	11 33	4 17	4 55	13 48			n.a.
T 9	10 22	28 57	5 4	13 18	1 21	18 42	1 19	4 34	2 21	22 40	1 33	23 15	0 18	17 59	0 2	3 33	2 9	34 35	11 33	4 16	4 54	13 45			n.a.
F 10	10 0	28 27	5 11	12 26	1 14	18 22	1 20	4 35	2 21	22 41	1 33	23 15	0 18	18 0	0 2	3 34	2 9	34 35	11 33	4 15	4 53	13 42			n.a.
S 11	9 38	26 1	4 59	11 33	1 5	18 1	1 21	4 37	2 20	22 42	1 33	23 15	0 18	18 0	0 2	3 34	2 9	34 35	11 34	4 13	4 51	13 39			n.a.
S 12	9 16	21 45	4 26	10 38	0 57	17 40	1 22	4 38	2 19	22 43	1 32	23 16	0 18	18 1	0 2	3 35	2 9	34 35	11 34	4 11	4 50	13 36			n.a.
M13	8 54	16 0	3 33	9 42	0 48	17 18	1 23	4 40	2 18	22 44	1 32	23 16	0 18	18 1	0 2	3 36	2 9	34 35	11 34	4 9	4 49	13 33			n.a.
T 14	8 32	9 15	2 26	8 44	0 38	16 56	1 24	4 40	2 17	22 44	1 32	23 16	0 17	18 1	0 2	3 36	2 9	34 35	11 34	4 8	4 48	13 30			n.a.
W15	8 10	2 0	1 8	7 46	0 28	16 34	1 25	4 41	2 16	22 45	1 32	23 17	0 17	18 2	0 2	3 37	2 9	34 36	11 35	4 7	4 46	13 27			n.a.
T 16	7 48	5s14	0s13	6 46	0 18	16 11	1 26	4 42	2 15	22 46	1 32	23 17	0 17	18 2	0 2	3 37	2 9	34 36	11 35	4 7	4 45	13 24			n.a.
F 17	7 25	12 2	1 31	5 46	0 7	15 47	1 26	4 42	2 14	22 46	1 32	23 17	0 17	18 3	0 2	3 38	2 9	34 36	11 35	4 7	4 44	13 20			n.a.
S 18	7 3	18 1	2 42	4 45	0n 3	15 23	1 27	4 42	2 13	22 47	1 32	23 17	0 17	18 3	0 2	3 39	2 9	34 36	11 36	4 8	4 43	13 17			n.a.
S 19	6 40	22 54	3 41	3 44	0 14	14 59	1 28	4 42	2 11	22 47	1 31	23 18	0 17	18 4	0 2	3 39	2 9	34 36	11 36	4 8	4 41	13 14			n.a.
M20	6 18	26 26	4 26	2 44	0 25	14 34	1 28	4 41	2 10	22 48	1 31	23 18	0 17	18 4	0 2	3 40	2 9	34 36	11 36	4 9	4 40	13 11			n.a.
T 21	5 55	28 30	4 57	1 43	0 36	14 9	1 28	4 40	2 9	22 48	1 31	23 18	0 17	18 5	0 2	3 41	2 9	34 37	11 36	4 9	4 39	13 8			n.a.
W22	5 32	29 3	5 12	0 43	0 47	13 43	1 29	4 39	2 7	22 49	1 31	23 18	0 17	18 6	0 2	3 41	2 9	34 37	11 37	4 8	4 37	13 5			n.a.
T 23	5 9	28 7	5 13	0n16	0 58	13 18	1 29	4 38	2 6	22 49	1 31	23 19	0 17	18 6	0 2	3 42	2 10	34 37	11 37	4 8	4 36	13 2			n.a.
F 24	4 46	25 53	5 0	1 15	1 8	12 51	1 29	4 37	2 4	22 50	1 31	23 19	0 17	18 7	0 2	3 43	2 10	34 37	11 37	4 6	4 35	12 58			n.a.
S 25	4 23	22 33	4 34	2 12	1 18	12 25	1 29	4 35	2 3	22 50	1 30	23 19	0 17	18 7	0 2	3 43	2 10	34 37	11 38	4 5	4 34	12 55			n.a.
S 26	4 0	18 18	3 56	3 8	1 28	11 58	1 29	4 33	2 1	22 50	1 30	23 19	0 17	18 8	0 2	3 44	2 10	34 37	11 38	4 4	4 32	12 52			n.a.
M27	3 37	13 23	3 8	4 2	1 37	11 31	1 29	4 31	1 59	22 50	1 30	23 19	0 17	18 8	0 2	3 45	2 10	34 38	11 38	4 2	4 31	12 49			n.a.
T 28	3 14	7 59	2 13	4 54	1 46	11 3	1 29	4 29	1 57	22 51	1 30	23 20	0 17	18 9	0 2	3 45	2 10	34 38	11 39	4 2	4 30	12 46			n.a.
W29	2 50	2 17	1 11	5 45	1 55	10 36	1 29	4 26	1 55	22 51	1 30	23 20	0 17	18 10	0 2	3 46	2 10	34 38	11 39	4 1	4 29	12 43			n.a.
T 30	2 27	3n32	0 6	6 33	2 2	10 8	1 29	4 23	1 53	22 51	1 30	23 20	0 17	18 10	0 2	3 47	2 10	34 38	11 39	4 1	4 27	12 39			n.a.
F 31	2s 4	9n16	1n 1	7n20	2n 9	9s39	1s29	4s20	1n51	22n51	1n29	23s20	0n17	18n11	0s 2	3n47	2n10	34s39	11s39	4n 1	4n26	12s36			n.a.

Julian Day Number = 1114436.5, Delta T = 10h48m52s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'51, Lahiri = -26°52'51 Julian Calendar 1 March 1662 BCE == Greg. Calendar 15 Feb. 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

APRIL 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 37 33	25♓51'43	3♉ 9	14♈56	10♓22	14°R50	25°R47	21♐29	20♉34	25°R30	14♊42	9♈58	10♈57	5♓15	n.a.	S 1
S 2	11 41 30	26°49'22	15°31	16°30	11°36	14♎37	25♋46	21°31	20°36	25♍28	14°42	9°59	10°54	5°22	n.a.	S 2
M 3	11 45 26	27°47'00	28° 8	18° 0	12°49	14°22	25°45	21°32	20°39	25°26	14°43	10° 1	10°51	5°28	n.a.	M 3
T 4	11 49 23	28°44'36	11♊ 1	19°27	14° 2	14° 7	25°44	21°33	20°41	25°25	14°44	10° 1	10°48	5°35	n.a.	T 4
W 5	11 53 19	29°42'11	24°14	20°50	15°16	13°51	25°44	21°34	20°44	25°23	14°44	10°R 2	10°44	5°42	n.a.	W 5
T 6	11 57 16	0♈39'43	7♋50	22° 9	16°29	13°35	25°44	21°35	20°46	25°21	14°45	10° 2	10°41	5°48	n.a.	T 6
F 7	12 1 13	1°37'15	21°48	23°24	17°42	13°19	25°D44	21°36	20°49	25°20	14°45	10° 1	10°38	5°55	n.a.	F 7
S 8	12 5 9	2°34'44	6♌10	24°36	18°56	13° 1	25°44	21°37	20°52	25°18	14°46	10° 1	10°35	6° 2	n.a.	S 8
S 9	12 9 6	3°32'12	20°51	25°44	20° 9	12°44	25°44	21°38	20°54	25°17	14°46	10° 0	10°32	6° 8	n.a.	S 9
M10	12 13 2	4°29'38	5♍46	26°48	21°22	12°26	25°45	21°39	20°57	25°15	14°47	9°59	10°29	6°15	n.a.	M10
T 11	12 16 59	5°27'03	20°49	27°47	22°36	12° 8	25°45	21°39	21° 0	25°13	14°47	9°59	10°25	6°22	n.a.	T 11
W12	12 20 55	6°24'27	5♎51	28°43	23°49	11°49	25°46	21°40	21° 3	25°12	14°48	9°D59	10°22	6°28	n.a.	W12
T 13	12 24 52	7°21'49	20°43	29°35	25° 2	11°30	25°47	21°40	21° 6	25°10	14°48	9°59	10°19	6°35	n.a.	T 13
F 14	12 28 48	8°19'10	5♏18	0♉23	26°16	11°11	25°48	21°41	21° 8	25° 9	14°49	9°59	10°16	6°42	n.a.	F 14
S 15	12 32 45	9°16'31	19°31	1° 6	27°29	10°51	25°50	21°41	21°11	25° 7	14°49	9°59	10°13	6°48	n.a.	S 15
S 16	12 36 42	10°13'50	3♐18	1°45	28°42	10°32	25°51	21°41	21°14	25° 6	14°50	9°R59	10°10	6°55	n.a.	S 16
M17	12 40 38	11°11'09	16°38	2°19	29°56	10°12	25°53	21°R41	21°17	25° 4	14°50	9°59	10° 6	7° 2	n.a.	M17
T 18	12 44 35	12° 8'27	29°34	2°50	1♈ 9	9°52	25°55	21°41	21°20	25° 2	14°50	9°59	10° 3	7° 8	n.a.	T 18
W19	12 48 31	13° 5'45	12♑ 9	3°15	2°23	9°32	25°57	21°41	21°23	25° 1	14°50	9°D59	10° 0	7°15	n.a.	W19
T 20	12 52 28	14° 3'01	24°25	3°36	3°36	9°12	25°59	21°40	21°26	24°59	14°51	9°59	9°57	7°22	n.a.	T 20
F 21	12 56 24	15° 0'17	6♒28	3°53	4°49	8°52	26° 2	21°40	21°29	24°58	14°51	9°59	9°54	7°28	n.a.	F 21
S 22	13 0 21	15°57'32	18°22	4° 4	6° 3	8°33	26° 4	21°40	21°32	24°56	14°51	10° 0	9°50	7°35	n.a.	S 22
S 23	13 4 17	16°54'47	0♓12	4°12	7°16	8°13	26° 7	21°39	21°35	24°55	14°51	10° 0	9°47	7°42	n.a.	S 23
M24	13 8 14	17°52'00	12° 0	4°R14	8°30	7°53	26°10	21°38	21°39	24°53	14°52	10° 1	9°44	7°48	n.a.	M24
T 25	13 12 11	18°49'13	23°51	4°12	9°43	7°34	26°13	21°37	21°42	24°52	14°52	10° 2	9°41	7°55	n.a.	T 25
W26	13 16 7	19°46'26	5♈48	4° 6	10°57	7°15	26°16	21°37	21°45	24°51	14°52	10°R 2	9°38	8° 2	n.a.	W26
T 27	13 20 4	20°43'37	17°52	3°55	12°10	6°57	26°20	21°36	21°48	24°49	14°52	10° 2	9°35	8° 8	n.a.	T 27
F 28	13 24 0	21°40'49	0♉ 6	3°41	13°23	6°38	26°23	21°35	21°51	24°48	14°52	10° 1	9°31	8°15	n.a.	F 28
S 29	13 27 57	22°37'59	12°32	3°22	14°37	6°21	26°27	21°33	21°55	24°46	14°52	10° 0	9°28	8°22	n.a.	S 29
S 30	13 31 53	23♈35'09	25♉11	3♉ 0	15♈50	6♎ 3	26♋31	21♐32	21♉58	24♍45	14°R52	9♈59	9♈25	8♓28	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s40	14n45	2n 5	8n 4	2n16	9s11	1s28	4s17	1n49	22n51	1n29	23s20	0n16	18n12	0s 2	3n48	2n10	34s39	11s40	4n 1	4n25	12s33		n.a.
S 2	1 17	19 44	3 4	8 47	2 22	8 42	1 28	4 14	1 47	22 51	1 29	23 20	0 16	18 12	0 2	3 49	2 10	34 39	11 40	4 2	4 24	12 30		n.a.
M 3	0 54	23 57	3 56	9 26	2 27	8 13	1 28	4 10	1 44	22 51	1 29	23 21	0 16	18 13	0 2	3 49	2 10	34 39	11 40	4 2	4 22	12 27		n.a.
T 4	0 31	27 6	4 37	10 4	2 31	7 44	1 27	4 6	1 42	22 51	1 29	23 21	0 16	18 14	0 2	3 50	2 10	34 39	11 41	4 3	4 21	12 24		n.a.
W 5	0 7	28 51	5 5	10 39	2 34	7 14	1 26	4 3	1 39	22 51	1 28	23 21	0 16	18 14	0 2	3 51	2 10	34 40	11 41	4 3	4 20	12 20		n.a.
T 6	0n16	28 55	5 17	11 12	2 37	6 45	1 26	3 59	1 37	22 51	1 28	23 21	0 16	18 15	0 2	3 51	2 10	34 40	11 41	4 3	4 18	12 17		n.a.
F 7	0 39	27 11	5 10	11 42	2 39	6 15	1 25	3 54	1 34	22 50	1 28	23 21	0 16	18 16	0 2	3 52	2 10	34 40	11 42	4 3	4 17	12 14		n.a.
S 8	1 3	23 40	4 45	12 10	2 40	5 45	1 24	3 50	1 32	22 50	1 28	23 21	0 16	18 17	0 2	3 53	2 10	34 40	11 42	4 2	4 16	12 11		n.a.
S 9	1 26	18 36	4 0	12 36	2 40	5 15	1 24	3 46	1 29	22 50	1 28	23 21	0 16	18 17	0 2	3 53	2 10	34 41	11 42	4 2	4 15	12 8		n.a.
M10	1 49	12 20	2 59	12 59	2 39	4 45	1 23	3 41	1 26	22 50	1 28	23 21	0 16	18 18	0 2	3 54	2 10	34 41	11 43	4 2	4 13	12 4		n.a.
T 11	2 12	5 18	1 44	13 20	2 38	4 14	1 22	3 37	1 23	22 49	1 27	23 22	0 16	18 19	0 2	3 54	2 10	34 41	11 43	4 2	4 12	12 1		n.a.
W12	2 35	2s 1	0 23	13 38	2 35	3 44	1 21	3 32	1 20	22 49	1 27	23 22	0 16	18 20	0 2	3 55	2 10	34 42	11 43	4 1	4 11	11 58		n.a.
T 13	2 59	9 9	0s59	13 53	2 32	3 13	1 20	3 27	1 17	22 49	1 27	23 22	0 16	18 20	0 2	3 56	2 10	34 42	11 44	4 1	4 10	11 55		n.a.
F 14	3 22	15 40	2 16	14 6	2 27	2 43	1 18	3 22	1 14	22 48	1 27	23 22	0 16	18 21	0 2	3 56	2 9	34 42	11 44	4 2	4 8	11 52		n.a.
S 15	3 45	21 11	3 22	14 17	2 22	2 12	1 17	3 18	1 11	22 48	1 27	23 22	0 16	18 22	0 2	3 57	2 9	34 42	11 44	4 2	4 7	11 48		n.a.
S 16	4 7	25 22	4 15	14 25	2 16	1 41	1 16	3 13	1 8	22 47	1 26	23 22	0 16	18 23	0 2	3 58	2 9	34 43	11 45	4 2	4 6	11 45		n.a.
M17	4 30	28 2	4 52	14 31	2 8	1 10	1 15	3 8	1 4	22 47	1 26	23 22	0 15	18 24	0 2	3 58	2 9	34 43	11 45	4 2	4 5	11 42		n.a.
T 18	4 53	29 6	5 12	14 34	2 0	0 39	1 13	3 3	1 1	22 46	1 26	23 22	0 15	18 24	0 2	3 59	2 9	34 43	11 45	4 2	4 3	11 39		n.a.
W19	5 16	28 35	5 17	14 34	1 51	0 8	1 12	2 58	0 58	22 46	1 26	23 22	0 15	18 25	0 2	3 59	2 9	34 44	11 46	4 1	4 2	11 35		n.a.
T 20	5 39	26 41	5 7	14 32	1 41	0n23	1 11	2 53	0 54	22 45	1 26	23 22	0 15	18 26	0 2	4 0	2 9	34 44	11 46	4 2	4 1	11 32		n.a.
F 21	6 1	23 35	4 44	14 28	1 30	0 54	1 9	2 48	0 51	22 44	1 25	23 22	0 15	18 27	0 2	4 1	2 9	34 44	11 46	4 2	3 59	11 29		n.a.
S 22	6 24	19 33	4 9	14 21	1 19	1 25	1 8	2 43	0 47	22 44	1 25	23 22	0 15	18 28	0 2	4 1	2 9	34 44	11 47	4 2	3 58	11 26		n.a.
S 23	6 46	14 47	3 23	14 11	1 6	1 56	1 6	2 39	0 44	22 43	1 25	23 22	0 15	18 28	0 2	4 2	2 9	34 45	11 47	4 2	3 57	11 23		n.a.
M24	7 8	9 29	2 29	14 0	0 53	2 27	1 4	2 34	0 40	22 42	1 25	23 22	0 15	18 29	0 2	4 2	2 9	34 45	11 47	4 2	3 56	11 19		n.a.
T 25	7 30	3 50	1 29	13 46	0 38	2 58	1 3	2 30	0 37	22 41	1 25	23 22	0 15	18 30	0 2	4 3	2 9	34 45	11 48	4 3	3 54	11 16		n.a.
W26	7 52	1n59	0 23	13 29	0 24	3 29	1 1	2 25	0 33	22 40	1 24	23 22	0 15	18 31	0 2	4 3	2 9	34 46	11 48	4 3	3 53	11 13		n.a.
T 27	8 14	7 48	0n43	13 11	0 8	3 59	0 59	2 21	0 30	22 40	1 24	23 22	0 15	18 32	0 2	4 4	2 9	34 46	11 48	4 3	3 52	11 10		n.a.
F 28	8 36	13 25	1 49	12 51	0s 8	4 30	0 57	2 17	0 26	22 39	1 24	23 22	0 15	18 33	0 2	4 5	2 9	34 46	11 49	4 3	3 51	11 6		n.a.
S 29	8 58	18 35	2 50	12 30	0 24	5 1	0 56	2 13	0 23	22 38	1 24	23 22	0 15	18 34	0 2	4 5	2 9	34 47	11 49	4 2	3 49	11 3		n.a.
S 30	9n20	23n 3	3n45	12n 6	0s41	5n31	0s54	2s 9	0n19	22n37	1n24	23s22	0n15	18n34	0s 2	4n 6	2n 9	34s47	11s49	4n 1	3n48	11s 0		n.a.

Julian Day Number = 1114467.5, Delta T = 10h48m50s
Ecliptic obliquity = 23°53'28, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'47, Lahiri = -26°52'47 Julian Calendar 1 Apr. 1662 BCE == Greg. Calendar 18 March 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

MAY 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 35 50	24♈32'17	8♊ 3	2°R35	17♈ 4	5°R46	26♋35	21°R31	22♉ 1	24°R44	14°R52	9°R57	9♈22	8♓35	n.a.	M 1
T 2	13 39 47	25°29'26	21° 9	2♉ 7	18°17	5♎30	26°40	21♐29	22° 5	24♍42	14♑52	9♈55	9°19	8°42	n.a.	T 2
W 3	13 43 43	26°26'33	4♋32	1°37	19°31	5°14	26°44	21°28	22° 8	24°41	14°52	9°53	9°15	8°48	n.a.	W 3
T 4	13 47 40	27°23'40	18° 9	1° 5	20°44	4°59	26°49	21°26	22°11	24°40	14°52	9°52	9°12	8°55	n.a.	T 4
F 5	13 51 36	28°20'46	2♌ 3	0°32	21°58	4°45	26°53	21°25	22°15	24°38	14°52	9°D52	9° 9	9° 2	n.a.	F 5
S 6	13 55 33	29°17'51	16°12	29♈58	23°11	4°31	26°58	21°23	22°18	24°37	14°52	9°53	9° 6	9° 8	n.a.	S 6
S 7	13 59 29	0♉14'55	0♍35	29°24	24°25	4°17	27° 3	21°21	22°22	24°36	14°52	9°54	9° 3	9°15	n.a.	S 7
M 8	14 3 26	1°11'59	15° 9	28°50	25°38	4° 5	27° 8	21°19	22°25	24°35	14°51	9°55	9° 0	9°22	n.a.	M 8
T 9	14 7 22	2° 9'02	29°49	28°17	26°52	3°53	27°14	21°17	22°29	24°33	14°51	9°56	8°56	9°28	n.a.	T 9
W10	14 11 19	3° 6'04	14♎31	27°46	28° 6	3°42	27°19	21°15	22°32	24°32	14°51	9°R56	8°53	9°35	n.a.	W10
T 11	14 15 16	4° 3'07	29° 7	27°17	29°19	3°32	27°25	21°12	22°35	24°31	14°51	9°55	8°50	9°42	n.a.	T 11
F 12	14 19 12	5° 0'09	13♏31	26°51	0♉33	3°22	27°31	21°10	22°39	24°30	14°50	9°53	8°47	9°48	n.a.	F 12
S 13	14 23 9	5°57'10	27°38	26°28	1°46	3°14	27°37	21° 8	22°42	24°29	14°50	9°50	8°44	9°55	n.a.	S 13
S 14	14 27 5	6°54'12	11♐24	26° 8	3° 0	3° 6	27°43	21° 5	22°46	24°28	14°50	9°46	8°41	10° 2	n.a.	S 14
M15	14 31 2	7°51'14	24°46	25°52	4°13	2°59	27°49	21° 3	22°50	24°27	14°50	9°42	8°37	10° 8	n.a.	M15
T 16	14 34 58	8°48'16	7♑45	25°40	5°27	2°52	27°55	21° 0	22°53	24°25	14°49	9°38	8°34	10°15	n.a.	T 16
W17	14 38 55	9°45'19	20°22	25°33	6°41	2°47	28° 2	20°57	22°57	24°24	14°49	9°36	8°31	10°22	n.a.	W17
T 18	14 42 52	10°42'21	2♒40	25°D30	7°54	2°42	28° 8	20°54	23° 0	24°23	14°48	9°34	8°28	10°28	n.a.	T 18
F 19	14 46 48	11°39'24	14°44	25°32	9° 8	2°38	28°15	20°52	23° 4	24°22	14°48	9°D34	8°25	10°35	n.a.	F 19
S 20	14 50 45	12°36'26	26°38	25°39	10°22	2°35	28°22	20°49	23° 7	24°21	14°47	9°35	8°21	10°42	n.a.	S 20
S 21	14 54 41	13°33'30	8♓28	25°51	11°35	2°33	28°29	20°46	23°11	24°21	14°47	9°36	8°18	10°48	n.a.	S 21
M22	14 58 38	14°30'33	20°17	26° 7	12°49	2°32	28°36	20°42	23°15	24°20	14°46	9°38	8°15	10°55	n.a.	M22
T 23	15 2 34	15°27'37	2♈12	26°29	14° 3	2°D31	28°44	20°39	23°18	24°19	14°46	9°39	8°12	11° 2	n.a.	T 23
W24	15 6 31	16°24'41	14°14	26°55	15°16	2°31	28°51	20°36	23°22	24°18	14°45	9°R39	8° 9	11° 8	n.a.	W24
T 25	15 10 27	17°21'46	26°29	27°27	16°30	2°33	28°58	20°33	23°25	24°17	14°45	9°38	8° 6	11°15	n.a.	T 25
F 26	15 14 24	18°18'51	8♉58	28° 3	17°44	2°34	29° 6	20°29	23°29	24°16	14°44	9°35	8° 2	11°22	n.a.	F 26
S 27	15 18 21	19°15'56	21°41	28°44	18°58	2°37	29°14	20°26	23°33	24°16	14°44	9°30	7°59	11°28	n.a.	S 27
S 28	15 22 17	20°13'02	4♊41	29°31	20°11	2°41	29°22	20°22	23°36	24°15	14°43	9°24	7°56	11°35	n.a.	S 28
M29	15 26 14	21°10'08	17°56	0♉21	21°25	2°45	29°30	20°19	23°40	24°14	14°42	9°17	7°53	11°42	n.a.	M29
T 30	15 30 10	22° 7'14	1♋24	1°17	22°39	2°51	29°38	20°15	23°44	24°13	14°42	9°10	7°50	11°48	n.a.	T 30
W31	15 34 7	23♉ 4'21	15♋ 4	2♉17	23♉53	2♎57	29♋46	20♐11	23♉47	24♍13	14♑41	9♈ 4	7♈47	11♓55	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	9n41	26n28	4n28	11n42	0s58	6n 2	0s52	2s 6	0n16	22n36	1n23	23s22	0n15	18n35	0s 2	4n 6	2n 9	34s47	11s50	4n 1	3n47	10s57			n.a.
T 2	10 2	28 34	4 59	11 16	1 15	6 32	0 50	2 2	0 12	22 35	1 23	23 22	0 15	18 36	0 2	4 7	2 9	34 48	11 50	4 0	3 45	10 53			n.a.
W 3	10 23	29 3	5 14	10 50	1 31	7 2	0 48	1 59	0 9	22 34	1 23	23 22	0 14	18 37	0 2	4 7	2 9	34 48	11 51	3 59	3 44	10 50			n.a.
T 4	10 44	27 47	5 12	10 24	1 48	7 32	0 46	1 56	0 5	22 33	1 23	23 22	0 14	18 38	0 2	4 8	2 9	34 48	11 51	3 59	3 43	10 47			n.a.
F 5	11 5	24 49	4 52	9 57	2 4	8 2	0 44	1 54	0 2	22 32	1 23	23 22	0 14	18 39	0 2	4 8	2 9	34 49	11 51	3 59	3 42	10 43			n.a.
S 6	11 26	20 19	4 15	9 30	2 19	8 32	0 42	1 51	0s 2	22 30	1 22	23 22	0 14	18 40	0 2	4 9	2 9	34 49	11 52	3 59	3 40	10 40			n.a.
S 7	11 46	14 35	3 20	9 5	2 34	9 1	0 40	1 49	0 5	22 29	1 22	23 22	0 14	18 41	0 2	4 9	2 9	34 49	11 52	3 59	3 39	10 37			n.a.
M 8	12 7	7 59	2 12	8 40	2 47	9 31	0 37	1 47	0 9	22 28	1 22	23 22	0 14	18 42	0 2	4 9	2 9	34 50	11 52	4 0	3 38	10 34			n.a.
T 9	12 27	0 55	0 55	8 16	3 0	10 0	0 35	1 45	0 12	22 27	1 22	23 22	0 14	18 43	0 2	4 10	2 9	34 50	11 53	4 0	3 37	10 30			n.a.
W10	12 47	6s13	0s25	7 54	3 12	10 29	0 33	1 44	0 15	22 25	1 22	23 22	0 14	18 43	0 2	4 10	2 9	34 51	11 53	4 0	3 35	10 27			n.a.
T 11	13 6	12 58	1 44	7 34	3 22	10 57	0 31	1 43	0 19	22 24	1 22	23 22	0 14	18 44	0 2	4 11	2 9	34 51	11 53	4 0	3 34	10 24			n.a.
F 12	13 26	18 57	2 54	7 15	3 32	11 26	0 29	1 42	0 22	22 23	1 21	23 22	0 14	18 45	0 2	4 11	2 9	34 51	11 54	3 59	3 33	10 21			n.a.
S 13	13 45	23 46	3 53	6 59	3 40	11 54	0 26	1 42	0 25	22 21	1 21	23 22	0 14	18 46	0 2	4 12	2 9	34 52	11 54	3 58	3 31	10 17			n.a.
S 14	14 4	27 7	4 36	6 46	3 47	12 22	0 24	1 41	0 29	22 20	1 21	23 21	0 14	18 47	0 2	4 12	2 9	34 52	11 54	3 56	3 30	10 14			n.a.
M15	14 23	28 50	5 3	6 35	3 52	12 49	0 22	1 41	0 32	22 19	1 21	23 21	0 14	18 48	0 2	4 12	2 8	34 52	11 54	3 55	3 29	10 11			n.a.
T 16	14 42	28 52	5 13	6 27	3 56	13 17	0 20	1 42	0 35	22 17	1 21	23 21	0 13	18 49	0 2	4 13	2 8	34 53	11 55	3 53	3 28	10 7			n.a.
W17	15 1	27 23	5 8	6 22	3 59	13 44	0 17	1 42	0 38	22 16	1 21	23 21	0 13	18 50	0 2	4 13	2 8	34 53	11 55	3 52	3 26	10 4			n.a.
T 18	15 19	24 36	4 48	6 19	4 0	14 10	0 15	1 43	0 41	22 14	1 20	23 21	0 13	18 51	0 2	4 14	2 8	34 53	11 55	3 52	3 25	10 1			n.a.
F 19	15 37	20 48	4 16	6 20	4 0	14 37	0 13	1 44	0 44	22 12	1 20	23 21	0 13	18 52	0 2	4 14	2 8	34 54	11 56	3 51	3 24	9 57			n.a.
S 20	15 55	16 12	3 34	6 23	3 59	15 3	0 10	1 46	0 47	22 11	1 20	23 21	0 13	18 53	0 2	4 14	2 8	34 54	11 56	3 52	3 22	9 54			n.a.
S 21	16 12	11 3	2 42	6 29	3 57	15 28	0 8	1 47	0 50	22 9	1 20	23 21	0 13	18 54	0 1	4 15	2 8	34 55	11 56	3 52	3 21	9 51			n.a.
M22	16 30	5 30	1 44	6 38	3 54	15 53	0 6	1 49	0 52	22 8	1 20	23 20	0 13	18 55	0 1	4 15	2 8	34 55	11 57	3 53	3 20	9 48			n.a.
T 23	16 47	0n16	0 41	6 50	3 50	16 18	0 3	1 52	0 55	22 6	1 20	23 20	0 13	18 56	0 1	4 15	2 8	34 55	11 57	3 54	3 19	9 44			n.a.
W24	17 3	6 6	0n25	7 5	3 45	16 43	0 1	1 54	0 58	22 4	1 19	23 20	0 13	18 56	0 1	4 15	2 8	34 56	11 57	3 54	3 17	9 41			n.a.
T 25	17 20	11 48	1 30	7 22	3 39	17 7	0n 2	1 57	1 1	22 2	1 19	23 20	0 13	18 57	0 1	4 16	2 8	34 56	11 58	3 53	3 16	9 38			n.a.
F 26	17 36	17 9	2 33	7 41	3 32	17 30	0 4	2 0	1 3	22 1	1 19	23 20	0 13	18 58	0 1	4 16	2 8	34 56	11 58	3 52	3 15	9 34			n.a.
S 27	17 52	21 52	3 28	8 3	3 24	17 53	0 6	2 4	1 6	21 59	1 19	23 20	0 13	18 59	0 1	4 16	2 8	34 57	11 58	3 50	3 14	9 31			n.a.
S 28	18 8	25 38	4 14	8 28	3 16	18 16	0 9	2 8	1 8	21 57	1 19	23 20	0 13	19 0	0 1	4 17	2 8	34 57	11 59	3 47	3 12	9 28			n.a.
M29	18 23	28 6	4 48	8 54	3 6	18 38	0 11	2 12	1 11	21 55	1 19	23 19	0 12	19 1	0 1	4 17	2 8	34 58	11 59	3 45	3 11	9 24			n.a.
T 30	18 39	28 59	5 6	9 23	2 57	19 0	0 13	2 16	1 13	21 53	1 18	23 19	0 12	19 2	0 1	4 17	2 8	34 58	11 59	3 42	3 10	9 21			n.a.
W31	18n53	28n 6	5n 7	9n54	2s46	19n21	0n16	2s20	1s15	21n51	1n18	23s19	0n12	19n 3	0s 1	4n17	2n 8	34s58	11s59	3n40	3n 8	9s18			n.a.

Julian Day Number = 1114497.5, Delta T = 10h48m48s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'43, Lahiri = -26°52'42 Julian Calendar 1 May 1662 BCE == Greg. Calendar 17 Apr. 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

JUNE 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 38 3	24♉ 1'28	28♋54	3♉22	25♉ 7	3♎ 4	29♋55	20°R 8	23♉51	24°R12	14°R40	9°R 0	7♈43	12♓ 2	n.a.	T 1
F 2	15 42 0	24°58'35	12♌53	4°31	26°21	3°11	0♌ 3	20♐ 4	23°55	24♍11	14♑40	8♈58	7°40	12° 8	n.a.	F 2
S 3	15 45 57	25°55'42	26°58	5°45	27°34	3°20	0°12	20° 0	23°58	24°11	14°39	8°D57	7°37	12°15	n.a.	S 3
S 4	15 49 53	26°52'49	11♍ 9	7° 3	28°48	3°29	0°20	19°56	24° 2	24°10	14°38	8°58	7°34	12°22	n.a.	S 4
M 5	15 53 50	27°49'57	25°24	8°25	0♊ 2	3°39	0°29	19°52	24° 6	24°10	14°37	8°59	7°31	12°28	n.a.	M 5
T 6	15 57 46	28°47'04	9♎41	9°52	1°16	3°49	0°38	19°48	24° 9	24° 9	14°36	8°R59	7°27	12°35	n.a.	T 6
W 7	16 1 43	29°44'13	23°57	11°23	2°30	4° 1	0°47	19°44	24°13	24° 9	14°36	8°58	7°24	12°41	n.a.	W 7
T 8	16 5 39	0♊41'22	8♏ 9	12°57	3°44	4°13	0°56	19°40	24°16	24° 8	14°35	8°55	7°21	12°48	n.a.	T 8
F 9	16 9 36	1°38'31	22°12	14°36	4°58	4°26	1° 6	19°36	24°20	24° 8	14°34	8°50	7°18	12°55	n.a.	F 9
S 10	16 13 32	2°35'42	6♐ 2	16°18	6°11	4°39	1°15	19°32	24°24	24° 8	14°33	8°43	7°15	13° 1	n.a.	S 10
S 11	16 17 29	3°32'53	19°36	18° 4	7°25	4°53	1°24	19°27	24°27	24° 7	14°32	8°34	7°12	13° 8	n.a.	S 11
M12	16 21 26	4°30'05	2♑51	19°53	8°39	5° 8	1°34	19°23	24°31	24° 7	14°31	8°25	7° 8	13°15	n.a.	M12
T 13	16 25 22	5°27'18	15°46	21°45	9°53	5°23	1°44	19°19	24°34	24° 7	14°30	8°16	7° 5	13°21	n.a.	T 13
W14	16 29 19	6°24'32	28°21	23°39	11° 7	5°40	1°53	19°15	24°38	24° 7	14°29	8° 8	7° 2	13°28	n.a.	W14
T 15	16 33 15	7°21'47	10♒39	25°37	12°21	5°56	2° 3	19°10	24°42	24° 6	14°28	8° 3	6°59	13°35	n.a.	T 15
F 16	16 37 12	8°19'03	22°42	27°36	13°35	6°13	2°13	19° 6	24°45	24° 6	14°27	7°59	6°56	13°41	n.a.	F 16
S 17	16 41 8	9°16'21	4♓37	29°37	14°49	6°31	2°23	19° 1	24°49	24° 6	14°26	7°D58	6°53	13°48	n.a.	S 17
S 18	16 45 5	10°13'40	16°26	1♊40	16° 3	6°50	2°33	18°57	24°52	24° 6	14°25	7°58	6°49	13°55	n.a.	S 18
M19	16 49 2	11°11'00	28°16	3°43	17°17	7° 9	2°43	18°53	24°56	24° 6	14°24	7°59	6°46	14° 1	n.a.	M19
T 20	16 52 58	12° 8'21	10♈12	5°48	18°31	7°29	2°54	18°48	24°59	24° 6	14°23	7°R59	6°43	14° 8	n.a.	T 20
W21	16 56 55	13° 5'44	22°19	7°53	19°45	7°49	3° 4	18°44	25° 3	24°D 6	14°22	7°58	6°40	14°15	n.a.	W21
T 22	17 0 51	14° 3'08	4♉42	9°58	20°59	8°10	3°14	18°39	25° 6	24° 6	14°21	7°55	6°37	14°21	n.a.	T 22
F 23	17 4 48	15° 0'33	17°22	12° 4	22°14	8°31	3°25	18°35	25°10	24° 6	14°20	7°49	6°33	14°28	n.a.	F 23
S 24	17 8 44	15°58'00	0♊23	14° 8	23°28	8°53	3°36	18°30	25°13	24° 6	14°19	7°41	6°30	14°35	n.a.	S 24
S 25	17 12 41	16°55'29	13°43	16°13	24°42	9°15	3°46	18°26	25°17	24° 6	14°18	7°31	6°27	14°41	n.a.	S 25
M26	17 16 37	17°52'58	27°22	18°16	25°56	9°38	3°57	18°21	25°20	24° 6	14°17	7°20	6°24	14°48	n.a.	M26
T 27	17 20 34	18°50'29	11♋16	20°19	27°10	10° 1	4° 8	18°17	25°24	24° 6	14°16	7° 9	6°21	14°55	n.a.	T 27
W28	17 24 31	19°48'01	25°21	22°21	28°24	10°25	4°19	18°12	25°27	24° 7	14°15	7° 0	6°18	15° 1	n.a.	W28
T 29	17 28 27	20°45'34	9♌33	24°22	29°38	10°49	4°30	18° 8	25°31	24° 7	14°13	6°52	6°14	15° 8	n.a.	T 29
F 30	17 32 24	21♊43'08	23♌46	26♊21	0♋53	11♎14	4♌41	18♐ 3	25♉34	24♍ 7	14♑12	6♈47	6♈11	15♓15	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n 8	25n30	4n50	10n26	2s35	19n42	0n18	2s25	1s18	21n49	1n18	23s19	0n12	19n 4	0s 1	4n17	2n 8	34s59	12s 0	3n38	3n 7	9s14		n.a.
F 2	19 22	21 21	4 17	11 1	2 24	20 2	0 20	2 30	1 20	21 47	1 18	23 19	0 12	19 5	0 1	4 18	2 7	34 59	12 0	3 37	3 6	9 11		n.a.
S 3	19 36	15 59	3 27	11 36	2 12	20 21	0 23	2 36	1 22	21 45	1 18	23 18	0 12	19 6	0 1	4 18	2 7	34 59	12 0	3 37	3 5	9 8		n.a.
S 4	19 50	9 44	2 24	12 14	2 0	20 40	0 25	2 42	1 24	21 43	1 18	23 18	0 12	19 7	0 1	4 18	2 7	35 0	12 0	3 37	3 3	9 4		n.a.
M 5	20 3	2 58	1 13	12 52	1 48	20 59	0 27	2 47	1 26	21 41	1 18	23 18	0 12	19 8	0 1	4 18	2 7	35 0	12 1	3 37	3 2	9 1		n.a.
T 6	20 16	3s58	0s 4	13 32	1 36	21 17	0 29	2 54	1 28	21 39	1 17	23 18	0 12	19 9	0 1	4 18	2 7	35 0	12 1	3 38	3 1	8 58		n.a.
W 7	20 28	10 42	1 20	14 13	1 23	21 34	0 32	3 0	1 30	21 37	1 17	23 17	0 12	19 9	0 1	4 18	2 7	35 1	12 1	3 37	3 0	8 54		n.a.
T 8	20 41	16 51	2 30	14 54	1 10	21 51	0 34	3 7	1 32	21 35	1 17	23 17	0 12	19 10	0 1	4 18	2 7	35 1	12 2	3 36	2 58	8 51		n.a.
F 9	20 53	22 3	3 31	15 36	0 58	22 7	0 36	3 14	1 34	21 33	1 17	23 17	0 12	19 11	0 1	4 19	2 7	35 2	12 2	3 34	2 57	8 48		n.a.
S 10	21 4	25 57	4 18	16 19	0 45	22 22	0 38	3 21	1 36	21 30	1 17	23 17	0 11	19 12	0 1	4 19	2 7	35 2	12 2	3 31	2 56	8 44		n.a.
S 11	21 16	28 16	4 49	17 1	0 32	22 37	0 40	3 28	1 38	21 28	1 17	23 16	0 11	19 13	0 1	4 19	2 7	35 2	12 2	3 27	2 54	8 41		n.a.
M12	21 26	28 55	5 4	17 43	0 20	22 51	0 42	3 36	1 40	21 26	1 17	23 16	0 11	19 14	0 1	4 19	2 7	35 3	12 3	3 24	2 53	8 38		n.a.
T 13	21 37	27 57	5 3	18 25	0 8	23 5	0 44	3 44	1 41	21 23	1 17	23 16	0 11	19 15	0 1	4 19	2 7	35 3	12 3	3 20	2 52	8 34		n.a.
W14	21 47	25 33	4 47	19 6	0n 4	23 18	0 46	3 52	1 43	21 21	1 16	23 16	0 11	19 16	0 1	4 19	2 7	35 3	12 3	3 17	2 51	8 31		n.a.
T 15	21 57	22 1	4 18	19 46	0 15	23 30	0 48	4 0	1 45	21 19	1 16	23 15	0 11	19 17	0 1	4 19	2 7	35 4	12 3	3 15	2 49	8 28		n.a.
F 16	22 6	17 37	3 38	20 25	0 26	23 42	0 50	4 8	1 46	21 16	1 16	23 15	0 11	19 18	0 1	4 19	2 7	35 4	12 3	3 14	2 48	8 24		n.a.
S 17	22 15	12 36	2 49	21 2	0 36	23 52	0 52	4 17	1 48	21 14	1 16	23 15	0 11	19 19	0 1	4 19	2 7	35 4	12 4	3 13	2 47	8 21		n.a.
S 18	22 24	7 10	1 53	21 38	0 46	24 2	0 54	4 26	1 49	21 11	1 16	23 15	0 11	19 19	0 1	4 19	2 6	35 5	12 4	3 13	2 45	8 17		n.a.
M19	22 32	1 29	0 52	22 12	0 55	24 12	0 56	4 35	1 51	21 9	1 16	23 14	0 11	19 20	0 1	4 19	2 6	35 5	12 4	3 13	2 44	8 14		n.a.
T 20	22 40	4n18	0n12	22 43	1 4	24 21	0 58	4 44	1 52	21 6	1 16	23 14	0 11	19 21	0 1	4 19	2 6	35 5	12 4	3 13	2 43	8 11		n.a.
W21	22 48	10 1	1 16	23 13	1 11	24 29	1 0	4 53	1 54	21 4	1 16	23 14	0 10	19 22	0 1	4 19	2 6	35 6	12 5	3 13	2 42	8 7		n.a.
T 22	22 55	15 29	2 17	23 39	1 18	24 36	1 1	5 3	1 55	21 1	1 15	23 13	0 10	19 23	0 1	4 19	2 6	35 6	12 5	3 12	2 40	8 4		n.a.
F 23	23 2	20 25	3 13	24 4	1 25	24 42	1 3	5 13	1 56	20 59	1 15	23 13	0 10	19 24	0 1	4 19	2 6	35 6	12 5	3 10	2 39	8 1		n.a.
S 24	23 8	24 32	4 1	24 25	1 30	24 48	1 5	5 23	1 57	20 56	1 15	23 13	0 10	19 25	0 1	4 18	2 6	35 7	12 5	3 6	2 38	7 57		n.a.
S 25	23 14	27 27	4 37	24 44	1 35	24 53	1 6	5 33	1 59	20 53	1 15	23 13	0 10	19 26	0 1	4 18	2 6	35 7	12 5	3 2	2 36	7 54		n.a.
M26	23 20	28 49	4 57	25 0	1 39	24 57	1 8	5 43	2 0	20 51	1 15	23 12	0 10	19 26	0 1	4 18	2 6	35 7	12 6	2 58	2 35	7 50		n.a.
T 27	23 25	28 24	5 1	25 14	1 42	25 1	1 9	5 53	2 1	20 48	1 15	23 12	0 10	19 27	0 1	4 18	2 6	35 8	12 6	2 54	2 34	7 47		n.a.
W28	23 29	26 10	4 47	25 25	1 45	25 3	1 11	6 4	2 2	20 45	1 15	23 12	0 10	19 28	0 1	4 18	2 6	35 8	12 6	2 50	2 33	7 44		n.a.
T 29	23 34	22 17	4 15	25 33	1 47	25 5	1 12	6 15	2 3	20 42	1 15	23 11	0 10	19 29	0 1	4 18	2 6	35 8	12 6	2 47	2 31	7 40		n.a.
F 30	23n38	17n 5	3n27	25n39	1n49	25n 7	1n13	6s26	2s 4	20n40	1n15	23s11	0n10	19n30	0s 1	4n18	2n 6	35s 9	12s 6	2n45	2n30	7s37		n.a.

Julian Day Number = 1114528.5, Delta T = 10h48m46s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'39, Lahiri = -26°52'38 Julian Calendar 1 June 1662 BCE == Greg. Calendar 18 May 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

JULY 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 36 20	22♊40'44	7♍59	28♊19	2♋ 7	11♎40	4♌52	17°R59	25♉37	24♍ 7	14°R11	6°R45	6♈ 8	15♓21	n.a.	S 1
S 2	17 40 17	23°38'20	22° 9	0♋16	3°21	12° 5	5° 3	17♐54	25°41	24° 8	14♑10	6°D44	6° 5	15°28	n.a.	S 2
M 3	17 44 13	24°35'57	6♎14	2°12	4°35	12°32	5°14	17°50	25°44	24° 8	14° 9	6°R44	6° 2	15°35	n.a.	M 3
T 4	17 48 10	25°33'36	20°13	4° 6	5°49	12°58	5°26	17°45	25°47	24° 9	14° 7	6♈44	5°59	15°41	n.a.	T 4
W 5	17 52 7	26°31'16	4♏ 7	5°58	7° 3	13°25	5°37	17°41	25°50	24° 9	14° 6	6°41	5°55	15°48	n.a.	W 5
T 6	17 56 3	27°28'57	17°54	7°50	8°18	13°53	5°49	17°36	25°54	24°10	14° 5	6°37	5°52	15°55	n.a.	T 6
F 7	18 0 0	28°26'40	1♐33	9°39	9°32	14°20	6° 0	17°32	25°57	24°10	14° 4	6°29	5°49	16° 1	n.a.	F 7
S 8	18 3 56	29°24'24	15° 0	11°28	10°46	14°49	6°12	17°28	26° 0	24°11	14° 3	6°19	5°46	16° 8	n.a.	S 8
S 9	18 7 53	0♋22'10	28°15	13°15	12° 0	15°17	6°23	17°23	26° 3	24°11	14° 1	6° 7	5°43	16°15	n.a.	S 9
M10	18 11 49	1°19'57	11♑14	15° 0	13°15	15°46	6°35	17°19	26° 6	24°12	14° 0	5°54	5°39	16°21	n.a.	M10
T 11	18 15 46	2°17'46	23°58	16°45	14°29	16°16	6°47	17°15	26°10	24°12	13°59	5°42	5°36	16°28	n.a.	T 11
W12	18 19 42	3°15'37	6♒26	18°27	15°43	16°45	6°59	17°11	26°13	24°13	13°58	5°31	5°33	16°34	n.a.	W12
T 13	18 23 39	4°13'29	18°39	20° 9	16°57	17°15	7°11	17° 6	26°16	24°14	13°56	5°22	5°30	16°41	n.a.	T 13
F 14	18 27 36	5°11'24	0♓39	21°49	18°12	17°46	7°23	17° 2	26°19	24°14	13°55	5°16	5°27	16°48	n.a.	F 14
S 15	18 31 32	6° 9'20	12°32	23°28	19°26	18°17	7°35	16°58	26°22	24°15	13°54	5°13	5°24	16°54	n.a.	S 15
S 16	18 35 29	7° 7'18	24°20	25° 5	20°40	18°48	7°47	16°54	26°25	24°16	13°52	5°12	5°20	17° 1	n.a.	S 16
M17	18 39 25	8° 5'19	6♈ 9	26°42	21°54	19°19	7°59	16°50	26°28	24°17	13°51	5°11	5°17	17° 8	n.a.	M17
T 18	18 43 22	9° 3'21	18° 5	28°16	23° 9	19°51	8°11	16°46	26°31	24°18	13°50	5°11	5°14	17°14	n.a.	T 18
W19	18 47 18	10° 1'26	0♉13	29°50	24°23	20°23	8°23	16°42	26°34	24°19	13°49	5°10	5°11	17°21	n.a.	W19
T 20	18 51 15	10°59'33	12°38	1♌22	25°37	20°55	8°35	16°38	26°36	24°19	13°47	5° 7	5° 8	17°28	n.a.	T 20
F 21	18 55 11	11°57'41	25°24	2°53	26°52	21°28	8°48	16°34	26°39	24°20	13°46	5° 1	5° 5	17°34	n.a.	F 21
S 22	18 59 8	12°55'53	8♊34	4°23	28° 6	22° 1	9° 0	16°30	26°42	24°21	13°45	4°53	5° 1	17°41	n.a.	S 22
S 23	19 3 5	13°54'06	22°10	5°51	29°20	22°34	9°12	16°27	26°45	24°22	13°43	4°43	4°58	17°48	n.a.	S 23
M24	19 7 1	14°52'21	6♋ 8	7°18	0♌35	23° 7	9°25	16°23	26°47	24°23	13°42	4°31	4°55	17°54	n.a.	M24
T 25	19 10 58	15°50'38	20°26	8°44	1°49	23°41	9°37	16°19	26°50	24°24	13°41	4°20	4°52	18° 1	n.a.	T 25
W26	19 14 54	16°48'57	4♌56	10° 8	3° 3	24°15	9°50	16°16	26°53	24°26	13°40	4° 9	4°49	18° 8	n.a.	W26
T 27	19 18 51	17°47'18	19°33	11°31	4°18	24°50	10° 2	16°12	26°55	24°27	13°38	4° 1	4°45	18°14	n.a.	T 27
F 28	19 22 47	18°45'41	4♍10	12°52	5°32	25°24	10°15	16° 9	26°58	24°28	13°37	3°56	4°42	18°21	n.a.	F 28
S 29	19 26 44	19°44'06	18°39	14°12	6°46	25°59	10°27	16° 5	27° 1	24°29	13°36	3°53	4°39	18°28	n.a.	S 29
S 30	19 30 40	20°42'32	2♎59	15°31	8° 1	26°34	10°40	16° 2	27° 3	24°30	13°34	3°D52	4°36	18°34	n.a.	S 30
M31	19 34 37	21♋41'00	17♎ 6	16♌47	9♌15	27♎ 9	10♌53	15♐59	27♉ 6	24♍31	13♑33	3°R53	4♈33	18♓41	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n41	10n59	2n26	25n42	1n49	25n 7	1n15	6s37	2s 5	20n37	1n15	23s11	0n 9	19n31	0s 1	4n17	2n 6	35s 9	12s 6	2n44	2n29	7s34		n.a.
S 2	23 44	4 21	1 17	25 43	1 49	25 7	1 16	6 48	2 6	20 34	1 15	23 10	0 9	19 31	0 1	4 17	2 5	35 9	12 7	2 43	2 28	7 30		n.a.
M 3	23 47	2s29	0 3	25 41	1 49	25 6	1 17	6 59	2 7	20 31	1 14	23 10	0 9	19 32	0 1	4 17	2 5	35 9	12 7	2 43	2 26	7 27		n.a.
T 4	23 49	9 8	1s11	25 37	1 48	25 4	1 18	7 11	2 8	20 28	1 14	23 10	0 9	19 33	0 1	4 17	2 5	35 10	12 7	2 43	2 25	7 23		n.a.
W 5	23 51	15 19	2 19	25 31	1 46	25 1	1 19	7 22	2 9	20 25	1 14	23 9	0 9	19 34	0 1	4 17	2 5	35 10	12 7	2 42	2 24	7 20		n.a.
T 6	23 52	20 40	3 19	25 23	1 44	24 58	1 20	7 34	2 10	20 22	1 14	23 9	0 9	19 35	0 1	4 16	2 5	35 10	12 7	2 40	2 22	7 17		n.a.
F 7	23 53	24 53	4 7	25 13	1 42	24 53	1 21	7 46	2 11	20 19	1 14	23 9	0 9	19 35	0 1	4 16	2 5	35 11	12 7	2 37	2 21	7 13		n.a.
S 8	23 53	27 40	4 40	25 1	1 39	24 48	1 22	7 58	2 12	20 16	1 14	23 8	0 9	19 36	0 1	4 16	2 5	35 11	12 7	2 33	2 20	7 10		n.a.
S 9	23 53	28 50	4 57	24 48	1 35	24 43	1 23	8 10	2 12	20 13	1 14	23 8	0 9	19 37	0 1	4 15	2 5	35 11	12 8	2 28	2 19	7 6		n.a.
M10	23 53	28 22	4 59	24 32	1 31	24 36	1 24	8 22	2 13	20 10	1 14	23 8	0 9	19 38	0 1	4 15	2 5	35 11	12 8	2 23	2 17	7 3		n.a.
T 11	23 52	26 24	4 45	24 15	1 27	24 29	1 24	8 34	2 14	20 7	1 14	23 8	0 9	19 38	0 1	4 15	2 5	35 12	12 8	2 18	2 16	7 0		n.a.
W12	23 51	23 11	4 18	23 57	1 22	24 21	1 25	8 46	2 15	20 4	1 14	23 7	0 8	19 39	0 1	4 15	2 5	35 12	12 8	2 14	2 15	6 56		n.a.
T 13	23 49	19 0	3 40	23 37	1 17	24 12	1 26	8 58	2 15	20 1	1 14	23 7	0 8	19 40	0 1	4 14	2 5	35 12	12 8	2 10	2 13	6 53		n.a.
F 14	23 47	14 7	2 52	23 16	1 12	24 3	1 26	9 11	2 16	19 58	1 14	23 7	0 8	19 41	0 1	4 14	2 5	35 12	12 8	2 8	2 12	6 49		n.a.
S 15	23 45	8 47	1 57	22 54	1 6	23 53	1 27	9 23	2 16	19 54	1 14	23 6	0 8	19 41	0 1	4 13	2 5	35 13	12 8	2 7	2 11	6 46		n.a.
S 16	23 42	3 10	0 57	22 30	1 0	23 42	1 27	9 36	2 17	19 51	1 14	23 6	0 8	19 42	0 1	4 13	2 5	35 13	12 8	2 6	2 10	6 42		n.a.
M17	23 38	2n34	0n 5	22 6	0 54	23 30	1 27	9 49	2 18	19 48	1 14	23 6	0 8	19 43	0 1	4 13	2 4	35 13	12 8	2 6	2 8	6 39		n.a.
T 18	23 34	8 16	1 8	21 40	0 48	23 18	1 28	10 2	2 18	19 45	1 13	23 5	0 8	19 44	0 1	4 12	2 4	35 13	12 8	2 6	2 7	6 36		n.a.
W19	23 30	13 45	2 8	21 14	0 41	23 5	1 28	10 14	2 19	19 41	1 13	23 5	0 8	19 44	0 1	4 12	2 4	35 13	12 8	2 5	2 6	6 32		n.a.
T 20	23 26	18 50	3 4	20 47	0 34	22 51	1 28	10 27	2 19	19 38	1 13	23 5	0 8	19 45	0 1	4 11	2 4	35 14	12 9	2 4	2 4	6 29		n.a.
F 21	23 20	23 14	3 53	20 19	0 27	22 37	1 28	10 40	2 20	19 35	1 13	23 4	0 8	19 46	0 1	4 11	2 4	35 14	12 9	2 2	2 3	6 25		n.a.
S 22	23 15	26 35	4 30	19 50	0 19	22 22	1 28	10 53	2 20	19 31	1 13	23 4	0 7	19 46	0 1	4 11	2 4	35 14	12 9	1 59	2 2	6 22		n.a.
S 23	23 9	28 32	4 54	19 21	0 12	22 6	1 28	11 6	2 20	19 28	1 13	23 4	0 7	19 47	0 1	4 10	2 4	35 14	12 9	1 54	2 1	6 19		n.a.
M24	23 3	28 45	5 1	18 51	0 4	21 50	1 28	11 19	2 21	19 24	1 13	23 4	0 7	19 48	0 1	4 10	2 4	35 14	12 9	1 50	1 59	6 15		n.a.
T 25	22 56	27 4	4 49	18 21	0s 4	21 33	1 27	11 32	2 21	19 21	1 13	23 3	0 7	19 48	0 1	4 9	2 4	35 15	12 9	1 45	1 58	6 12		n.a.
W26	22 49	23 34	4 19	17 50	0 12	21 15	1 27	11 46	2 21	19 18	1 13	23 3	0 7	19 49	0 1	4 9	2 4	35 15	12 9	1 41	1 57	6 8		n.a.
T 27	22 41	18 34	3 32	17 20	0 20	20 57	1 27	11 59	2 22	19 14	1 13	23 3	0 7	19 49	0 1	4 8	2 4	35 15	12 9	1 38	1 56	6 5		n.a.
F 28	22 33	12 30	2 31	16 48	0 29	20 38	1 26	12 12	2 22	19 11	1 13	23 3	0 7	19 50	0 1	4 8	2 4	35 15	12 9	1 35	1 54	6 1		n.a.
S 29	22 24	5 47	1 20	16 17	0 37	20 19	1 26	12 25	2 22	19 7	1 13	23 2	0 7	19 51	0 1	4 7	2 4	35 15	12 9	1 34	1 53	5 58		n.a.
S 30	22 16	1s 8	0 5	15 46	0 46	19 59	1 25	12 39	2 23	19 4	1 13	23 2	0 7	19 51	0 1	4 7	2 4	35 16	12 9	1 34	1 52	5 55		n.a.
M31	22n 6	7s55	1s10	15n14	0s55	19n38	1n25	12s52	2s23	19n 0	1n13	23s 2	0n 6	19n52	0s 1	4n 6	2n 4	35s16	12s 9	1n34	1n50	5s51		n.a.

Julian Day Number = 1114558.5, Delta T = 10h48m45s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'35, Lahiri = -26°52'34 Julian Calendar 1 July 1662 BCE == Greg. Calendar 17 June 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

AUGUST 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 38 34	22♋39'29	1♏ 0	18♌ 3	10♌29	27♎45	11♌ 6	15°R56	27♉ 8	24♍33	13°R32	3°R52	4♈30	18♓48	n.a.	T 1
W 2	19 42 30	23°38'01	14°41	19°16	11°44	28°21	11°18	15♐53	27°10	24°34	13♊31	3♈51	4°26	18°54	n.a.	W 2
T 3	19 46 27	24°36'34	28°10	20°28	12°58	28°57	11°31	15°50	27°13	24°35	13°29	3°47	4°23	19° 1	n.a.	T 3
F 4	19 50 23	25°35'09	11♐26	21°38	14°12	29°33	11°44	15°47	27°15	24°37	13°28	3°40	4°20	19° 8	n.a.	F 4
S 5	19 54 20	26°33'47	24°31	22°46	15°27	0♏10	11°57	15°44	27°17	24°38	13°27	3°31	4°17	19°14	n.a.	S 5
S 6	19 58 16	27°32'26	7♊24	23°51	16°41	0°46	12° 9	15°41	27°20	24°39	13°26	3°20	4°14	19°21	n.a.	S 6
M 7	20 2 13	28°31'07	20° 5	24°55	17°55	1°23	12°22	15°38	27°22	24°41	13°24	3° 8	4°11	19°27	n.a.	M 7
T 8	20 6 9	29°29'50	2♒33	25°56	19°10	2° 0	12°35	15°36	27°24	24°42	13°23	2°57	4° 7	19°34	n.a.	T 8
W 9	20 10 6	0♌28'36	14°49	26°55	20°24	2°38	12°48	15°33	27°26	24°44	13°22	2°47	4° 4	19°41	n.a.	W 9
T 10	20 14 2	1°27'23	26°55	27°51	21°38	3°15	13° 1	15°31	27°28	24°45	13°21	2°39	4° 1	19°47	n.a.	T 10
F 11	20 17 59	2°26'13	8♓50	28°44	22°53	3°53	13°14	15°28	27°30	24°47	13°19	2°33	3°58	19°54	n.a.	F 11
S 12	20 21 56	3°25'05	20°40	29°34	24° 7	4°31	13°27	15°26	27°32	24°48	13°18	2°31	3°55	20° 1	n.a.	S 12
S 13	20 25 52	4°23'59	2♈27	0♍20	25°21	5° 9	13°40	15°24	27°34	24°50	13°17	2°D30	3°51	20° 7	n.a.	S 13
M14	20 29 49	5°22'56	14°15	1° 3	26°35	5°47	13°53	15°22	27°36	24°51	13°16	2°30	3°48	20°14	n.a.	M14
T 15	20 33 45	6°21'56	26° 9	1°42	27°50	6°26	14° 6	15°20	27°38	24°53	13°15	2°31	3°45	20°21	n.a.	T 15
W16	20 37 42	7°20'57	8♉15	2°16	29° 4	7° 4	14°19	15°18	27°39	24°55	13°14	2°R32	3°42	20°27	n.a.	W16
T 17	20 41 38	8°20'02	20°38	2°46	0♍18	7°43	14°32	15°16	27°41	24°56	13°12	2°31	3°39	20°34	n.a.	T 17
F 18	20 45 35	9°19'09	3♊23	3°11	1°33	8°22	14°45	15°14	27°43	24°58	13°11	2°28	3°36	20°41	n.a.	F 18
S 19	20 49 31	10°18'18	16°34	3°30	2°47	9° 1	14°58	15°13	27°44	25° 0	13°10	2°23	3°32	20°47	n.a.	S 19
S 20	20 53 28	11°17'30	0♋12	3°44	4° 1	9°40	15°11	15°11	27°46	25° 2	13° 9	2°16	3°29	20°54	n.a.	S 20
M21	20 57 24	12°16'44	14°18	3°51	5°15	10°19	15°25	15°10	27°48	25° 3	13° 8	2° 9	3°26	21° 1	n.a.	M21
T 22	21 1 21	13°16'01	28°48	3°R51	6°30	10°59	15°38	15° 8	27°49	25° 5	13° 7	2° 1	3°23	21° 7	n.a.	T 22
W23	21 5 18	14°15'19	13♌36	3°44	7°44	11°39	15°51	15° 7	27°51	25° 7	13° 6	1°53	3°20	21°14	n.a.	W23
T 24	21 9 14	15°14'41	28°35	3°30	8°58	12°19	16° 4	15° 6	27°52	25° 9	13° 5	1°48	3°17	21°21	n.a.	T 24
F 25	21 13 11	16°14'04	13♍34	3° 8	10°12	12°59	16°17	15° 5	27°53	25°11	13° 4	1°44	3°13	21°27	n.a.	F 25
S 26	21 17 7	17°13'29	28°27	2°38	11°27	13°39	16°30	15° 4	27°55	25°12	13° 3	1°D43	3°10	21°34	n.a.	S 26
S 27	21 21 4	18°12'56	13♎ 5	2° 0	12°41	14°19	16°43	15° 3	27°56	25°14	13° 2	1°43	3° 7	21°40	n.a.	S 27
M28	21 25 0	19°12'25	27°25	1°14	13°55	14°59	16°56	15° 2	27°57	25°16	13° 1	1°45	3° 4	21°47	n.a.	M28
T 29	21 28 57	20°11'56	11♏25	0°21	15° 9	15°40	17° 9	15° 2	27°58	25°18	13° 0	1°46	3° 1	21°54	n.a.	T 29
W30	21 32 53	21°11'29	25° 5	29♌21	16°23	16°21	17°23	15° 1	27°59	25°20	12°59	1°R46	2°57	22° 0	n.a.	W30
T 31	21 36 50	22♌11'04	8♐26	28♌16	17♍37	17♏ 1	17♌36	15♐ 1	28♉ 0	25♍22	12♊58	1♈45	2♈54	22♓ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21n57	14s12	2s19	14n42	1s 3	19n17	1n24	13s 5	2s23	18n56	1n13	23s 2	0n 6	19n52	0s 1	4n 5	2n 4	35s16	12s 9	1n34	1n49	5s48			n.a.
W 2	21 47	19 42	3 19	14 11	1 12	18 55	1 23	13 19	2 23	18 53	1 13	23 1	0 6	19 53	0 1	4 5	2 3	35 16	12 9	1 33	1 48	5 44			n.a.
T 3	21 36	24 7	4 7	13 40	1 21	18 33	1 22	13 32	2 23	18 49	1 13	23 1	0 6	19 54	0 1	4 4	2 3	35 16	12 9	1 32	1 47	5 41			n.a.
F 4	21 25	27 12	4 40	13 9	1 30	18 10	1 22	13 45	2 24	18 45	1 13	23 1	0 6	19 54	0 1	4 4	2 3	35 16	12 9	1 29	1 45	5 37			n.a.
S 5	21 14	28 45	4 59	12 38	1 39	17 47	1 21	13 59	2 24	18 42	1 13	23 1	0 6	19 55	0 1	4 3	2 3	35 16	12 9	1 25	1 44	5 34			n.a.
S 6	21 3	28 42	5 2	12 8	1 47	17 24	1 20	14 12	2 24	18 38	1 13	23 0	0 6	19 55	0 1	4 2	2 3	35 16	12 9	1 21	1 43	5 30			n.a.
M 7	20 51	27 8	4 50	11 38	1 56	16 59	1 18	14 25	2 24	18 34	1 13	23 0	0 6	19 56	0 1	4 2	2 3	35 17	12 9	1 16	1 41	5 27			n.a.
T 8	20 38	24 14	4 24	11 9	2 5	16 35	1 17	14 38	2 24	18 31	1 13	23 0	0 6	19 56	0 1	4 1	2 3	35 17	12 9	1 12	1 40	5 24			n.a.
W 9	20 26	20 17	3 46	10 41	2 14	16 10	1 16	14 52	2 24	18 27	1 13	23 0	0 6	19 57	0 1	4 1	2 3	35 17	12 9	1 7	1 39	5 20			n.a.
T 10	20 13	15 33	2 58	10 14	2 22	15 44	1 15	15 5	2 24	18 23	1 13	23 0	0 5	19 57	0 1	4 0	2 3	35 17	12 9	1 4	1 38	5 17			n.a.
F 11	19 59	10 18	2 3	9 47	2 30	15 18	1 13	15 18	2 24	18 19	1 13	23 0	0 5	19 58	0 1	3 59	2 3	35 17	12 9	1 2	1 36	5 13			n.a.
S 12	19 45	4 44	1 3	9 22	2 39	14 52	1 12	15 31	2 24	18 16	1 13	22 59	0 5	19 58	0 1	3 59	2 3	35 17	12 8	1 1	1 35	5 10			n.a.
S 13	19 31	0n59	0 0	8 58	2 47	14 25	1 11	15 44	2 24	18 12	1 13	22 59	0 5	19 59	0 1	3 58	2 3	35 17	12 8	1 1	1 34	5 6			n.a.
M14	19 17	6 41	1n 3	8 36	2 54	13 58	1 9	15 57	2 24	18 8	1 13	22 59	0 5	19 59	0 1	3 57	2 3	35 17	12 8	1 1	1 32	5 3			n.a.
T 15	19 2	12 12	2 4	8 15	3 2	13 30	1 7	16 10	2 24	18 4	1 13	22 59	0 5	19 59	0 1	3 56	2 3	35 17	12 8	1 1	1 31	4 59			n.a.
W16	18 47	17 21	3 0	7 56	3 9	13 2	1 6	16 23	2 24	18 0	1 13	22 59	0 5	20 0	0 1	3 56	2 3	35 17	12 8	1 1	1 30	4 56			n.a.
T 17	18 31	21 55	3 49	7 39	3 15	12 34	1 4	16 36	2 24	17 56	1 13	22 59	0 5	20 0	0 1	3 55	2 3	35 17	12 8	1 1	1 29	4 53			n.a.
F 18	18 16	25 37	4 29	7 25	3 21	12 6	1 2	16 49	2 24	17 52	1 13	22 59	0 5	20 1	0 1	3 54	2 3	35 17	12 8	1 0	1 27	4 49			n.a.
S 19	17 59	28 6	4 56	7 13	3 26	11 37	1 0	17 2	2 23	17 49	1 13	22 59	0 5	20 1	0 1	3 54	2 3	35 17	12 8	0 58	1 26	4 46			n.a.
S 20	17 43	29 0	5 7	7 3	3 31	11 8	0 59	17 15	2 23	17 45	1 13	22 59	0 5	20 1	0 1	3 53	2 3	35 17	12 8	0 55	1 25	4 42			n.a.
M21	17 26	28 5	5 0	6 57	3 35	10 38	0 57	17 27	2 23	17 41	1 13	22 58	0 4	20 2	0 1	3 52	2 3	35 17	12 8	0 52	1 23	4 39			n.a.
T 22	17 9	25 16	4 35	6 54	3 38	10 8	0 55	17 40	2 23	17 37	1 13	22 58	0 4	20 2	0 1	3 51	2 2	35 17	12 8	0 49	1 22	4 35			n.a.
W23	16 52	20 43	3 50	6 55	3 40	9 38	0 53	17 52	2 23	17 33	1 13	22 58	0 4	20 2	0 1	3 51	2 2	35 17	12 7	0 46	1 21	4 32			n.a.
T 24	16 34	14 50	2 49	7 0	3 40	9 8	0 51	18 5	2 23	17 29	1 13	22 58	0 4	20 3	0 1	3 50	2 2	35 17	12 7	0 44	1 20	4 28			n.a.
F 25	16 16	8 3	1 37	7 8	3 39	8 38	0 48	18 17	2 22	17 25	1 13	22 58	0 4	20 3	0 1	3 49	2 2	35 17	12 7	0 42	1 18	4 25			n.a.
S 26	15 58	0 54	0 18	7 22	3 37	8 7	0 46	18 29	2 22	17 21	1 13	22 58	0 4	20 3	0 1	3 48	2 2	35 17	12 7	0 42	1 17	4 21			n.a.
S 27	15 39	6s12	1s 1	7 39	3 33	7 36	0 44	18 41	2 22	17 17	1 13	22 58	0 4	20 4	0 1	3 47	2 2	35 17	12 7	0 42	1 16	4 18			n.a.
M28	15 21	12 50	2 15	8 1	3 27	7 5	0 42	18 53	2 22	17 13	1 13	22 58	0 4	20 4	0 1	3 47	2 2	35 17	12 7	0 42	1 14	4 14			n.a.
T 29	15 2	18 41	3 19	8 27	3 19	6 34	0 39	19 5	2 21	17 9	1 13	22 58	0 4	20 4	0 1	3 46	2 2	35 17	12 7	0 43	1 13	4 11			n.a.
W30	14 42	23 26	4 10	8 58	3 9	6 2	0 37	19 17	2 21	17 5	1 13	22 58	0 4	20 5	0 1	3 45	2 2	35 17	12 7	0 43	1 12	4 8			n.a.
T 31	14n23	26s49	4s46	9n32	2s57	5n30	0n35	19s29	2s21	17n 1	1n13	22s58	0n 3	20n 5	0s 1	3n44	2n 2	35s17	12s 6	0n42	1n11	4s 4			n.a.

Julian Day Number = 1114589.5, Delta T = 10h48m43s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'30, Lahiri = -26°52'30 Julian Calendar 1 Aug. 1662 BCE == Greg. Calendar 18 July 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

SEPTEMBER 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 40 47	23♌10'40	21♐30	27°R 6	18♍52	17♏42	17♌49	15°R 0	28♉ 1	25♍24	12°R57	1°R42	2♈51	22♓14	n.a.	F 1
S 2	21 44 43	24°10'19	4♑19	25♌54	20° 6	18°23	18° 2	15♐ 0	28° 2	25°26	12♑56	1♈37	2°48	22°20	n.a.	S 2
S 3	21 48 40	25°10'00	16°54	24°41	21°20	19° 5	18°15	15° 0	28° 3	25°28	12°55	1°31	2°45	22°27	n.a.	S 3
M 4	21 52 36	26° 9'43	29°17	23°29	22°34	19°46	18°28	15°D 0	28° 4	25°30	12°54	1°24	2°42	22°34	n.a.	M 4
T 5	21 56 33	27° 9'27	11♒30	22°21	23°48	20°27	18°41	15° 0	28° 5	25°32	12°53	1°18	2°38	22°40	n.a.	T 5
W 6	22 0 29	28° 9'14	23°34	21°19	25° 2	21° 9	18°54	15° 0	28° 5	25°34	12°52	1°12	2°35	22°47	n.a.	W 6
T 7	22 4 26	29° 9'03	5♓30	20°24	26°16	21°50	19° 7	15° 1	28° 6	25°36	12°52	1° 8	2°32	22°54	n.a.	T 7
F 8	22 8 22	0♍ 8'54	17°21	19°37	27°30	22°32	19°20	15° 1	28° 7	25°38	12°51	1° 6	2°29	23° 0	n.a.	F 8
S 9	22 12 19	1° 8'47	29° 9	19° 1	28°44	23°14	19°33	15° 1	28° 7	25°40	12°50	1°D 5	2°26	23° 7	n.a.	S 9
S 10	22 16 15	2° 8'42	10♈55	18°36	29°58	23°55	19°46	15° 2	28° 8	25°42	12°49	1° 5	2°22	23°14	n.a.	S 10
M11	22 20 12	3° 8'40	22°44	18°22	1♎12	24°37	19°59	15° 3	28° 8	25°44	12°48	1° 7	2°19	23°20	n.a.	M11
T 12	22 24 9	4° 8'39	4♉40	18°D19	2°26	25°19	20°12	15° 3	28° 9	25°47	12°48	1° 8	2°16	23°27	n.a.	T 12
W13	22 28 5	5° 8'42	16°45	18°28	3°40	26° 1	20°25	15° 4	28° 9	25°49	12°47	1°10	2°13	23°33	n.a.	W13
T 14	22 32 2	6° 8'46	29° 6	18°47	4°54	26°44	20°38	15° 5	28° 9	25°51	12°46	1°11	2°10	23°40	n.a.	T 14
F 15	22 35 58	7° 8'53	11♊47	19°16	6° 8	27°26	20°51	15° 6	28° 9	25°53	12°46	1°R11	2° 7	23°47	n.a.	F 15
S 16	22 39 55	8° 9'03	24°51	19°54	7°22	28° 8	21° 4	15° 8	28°10	25°55	12°45	1°10	2° 3	23°53	n.a.	S 16
S 17	22 43 51	9° 9'14	8♋22	20°41	8°36	28°51	21°16	15° 9	28°10	25°57	12°44	1° 8	2° 0	24° 0	n.a.	S 17
M18	22 47 48	10° 9'28	22°22	21°36	9°50	29°33	21°29	15°10	28°10	25°59	12°44	1° 6	1°57	24° 7	n.a.	M18
T 19	22 51 44	11° 9'44	6♌49	22°37	11° 4	0♐16	21°42	15°12	28°R10	26° 2	12°43	1° 3	1°54	24°13	n.a.	T 19
W20	22 55 41	12°10'02	21°39	23°43	12°17	0°59	21°55	15°13	28°10	26° 4	12°43	1° 0	1°51	24°20	n.a.	W20
T 21	22 59 37	13°10'22	6♍44	24°55	13°31	1°41	22° 7	15°15	28°10	26° 6	12°42	0°58	1°48	24°27	n.a.	T 21
F 22	23 3 34	14°10'44	21°57	26°12	14°45	2°24	22°20	15°17	28° 9	26° 8	12°42	0°57	1°44	24°33	n.a.	F 22
S 23	23 7 31	15°11'08	7♎ 7	27°32	15°59	3° 7	22°33	15°19	28° 9	26°10	12°41	0°D57	1°41	24°40	n.a.	S 23
S 24	23 11 27	16°11'34	22° 5	28°55	17°13	3°50	22°45	15°21	28° 9	26°13	12°41	0°58	1°38	24°47	n.a.	S 24
M25	23 15 24	17°12'01	6♏43	0♍21	18°27	4°33	22°58	15°23	28° 9	26°15	12°40	0°59	1°35	24°53	n.a.	M25
T 26	23 19 20	18°12'30	20°58	1°49	19°40	5°16	23°10	15°25	28° 8	26°17	12°40	1° 0	1°32	25° 0	n.a.	T 26
W27	23 23 17	19°13'01	4♐48	3°19	20°54	5°59	23°23	15°27	28° 8	26°19	12°40	1° 1	1°28	25° 7	n.a.	W27
T 28	23 27 13	20°13'33	18°12	4°51	22° 8	6°43	23°35	15°30	28° 7	26°22	12°39	1°R 1	1°25	25°13	n.a.	T 28
F 29	23 31 10	21°14'06	1♑14	6°23	23°21	7°26	23°48	15°32	28° 7	26°24	12°39	1° 1	1°22	25°20	n.a.	F 29
S 30	23 35 6	22♍14'41	13♑55	7♍57	24♎35	8♐ 9	24♌ 0	15♐35	28♉ 6	26♍26	12♑39	1♈ 0	1♈19	25♓26	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14n 3	28s42	5s 6	10n 9	2s44	4n59	0n32	19s40	2s20	16n57	1n13	22s58	0n 3	20n 5	0s 1	3n43	2n 2	35s17	12s 6	0n41	1n 9	4s 1		n.a.
S 2	13 43	28 59	5 10	10 49	2 28	4 27	0 30	19 52	2 20	16 53	1 13	22 59	0 3	20 5	0 1	3 43	2 2	35 17	12 6	0 39	1 8	3 57		n.a.
S 3	13 23	27 45	5 0	11 30	2 10	3 55	0 27	20 3	2 20	16 49	1 14	22 59	0 3	20 5	0 0	3 42	2 2	35 17	12 6	0 37	1 7	3 54		n.a.
M 4	13 2	25 10	4 35	12 11	1 52	3 23	0 24	20 15	2 19	16 44	1 14	22 59	0 3	20 6	0 0	3 41	2 2	35 17	12 6	0 34	1 5	3 50		n.a.
T 5	12 41	21 28	3 58	12 52	1 32	2 50	0 22	20 26	2 19	16 40	1 14	22 59	0 3	20 6	0 0	3 40	2 2	35 17	12 6	0 32	1 4	3 47		n.a.
W 6	12 20	16 55	3 11	13 32	1 12	2 18	0 19	20 37	2 19	16 36	1 14	22 59	0 3	20 6	0 0	3 39	2 2	35 17	12 5	0 29	1 3	3 43		n.a.
T 7	11 59	11 46	2 15	14 9	0 52	1 46	0 17	20 47	2 18	16 32	1 14	22 59	0 3	20 6	0 0	3 38	2 2	35 17	12 5	0 28	1 2	3 40		n.a.
F 8	11 38	6 14	1 15	14 43	0 32	1 13	0 14	20 58	2 18	16 28	1 14	22 59	0 3	20 6	0 0	3 37	2 2	35 17	12 5	0 27	1 0	3 36		n.a.
S 9	11 16	0 30	0 11	15 13	0 12	0 41	0 11	21 9	2 17	16 24	1 14	22 59	0 3	20 6	0 0	3 37	2 2	35 16	12 5	0 26	0 59	3 33		n.a.
S 10	10 54	5n14	0n54	15 38	0n 7	0 8	0 8	21 19	2 17	16 20	1 14	22 59	0 3	20 7	0 0	3 36	2 2	35 16	12 5	0 26	0 58	3 29		n.a.
M11	10 33	10 48	1 56	16 0	0 24	0s24	0 6	21 29	2 17	16 16	1 14	23 0	0 2	20 7	0 0	3 35	2 2	35 16	12 4	0 27	0 56	3 26		n.a.
T 12	10 10	16 3	2 54	16 16	0 41	0 57	0 3	21 39	2 16	16 12	1 14	23 0	0 2	20 7	0 0	3 34	2 2	35 16	12 4	0 28	0 55	3 22		n.a.
W13	9 48	20 45	3 46	16 27	0 55	1 29	0s 0	21 49	2 16	16 8	1 14	23 0	0 2	20 7	0 0	3 33	2 2	35 16	12 4	0 28	0 54	3 19		n.a.
T 14	9 26	24 41	4 27	16 34	1 9	2 2	0 3	21 59	2 15	16 3	1 14	23 0	0 2	20 7	0 0	3 32	2 2	35 16	12 4	0 29	0 53	3 15		n.a.
F 15	9 3	27 32	4 58	16 36	1 21	2 34	0 6	22 8	2 15	15 59	1 14	23 0	0 2	20 7	0 0	3 31	2 2	35 16	12 4	0 29	0 51	3 12		n.a.
S 16	8 40	29 1	5 13	16 33	1 31	3 6	0 9	22 18	2 14	15 55	1 14	23 1	0 2	20 7	0 0	3 30	2 2	35 16	12 3	0 28	0 50	3 8		n.a.
S 17	8 17	28 49	5 13	16 26	1 40	3 39	0 11	22 27	2 14	15 51	1 15	23 1	0 2	20 7	0 0	3 30	2 2	35 16	12 3	0 28	0 49	3 5		n.a.
M18	7 54	26 50	4 54	16 16	1 47	4 11	0 14	22 36	2 13	15 47	1 15	23 1	0 2	20 7	0 0	3 29	2 2	35 15	12 3	0 27	0 47	3 1		n.a.
T 19	7 31	23 3	4 16	16 1	1 53	4 43	0 17	22 45	2 13	15 43	1 15	23 1	0 2	20 7	0 0	3 28	2 2	35 15	12 3	0 25	0 46	2 58		n.a.
W20	7 7	17 43	3 21	15 43	1 58	5 15	0 20	22 53	2 12	15 39	1 15	23 2	0 2	20 7	0 0	3 27	2 2	35 15	12 3	0 24	0 45	2 55		n.a.
T 21	6 44	11 13	2 10	15 22	2 2	5 47	0 23	23 2	2 11	15 35	1 15	23 2	0 2	20 7	0 0	3 26	2 2	35 15	12 2	0 24	0 44	2 51		n.a.
F 22	6 20	4 1	0 50	14 58	2 4	6 19	0 26	23 10	2 11	15 30	1 15	23 2	0 1	20 7	0 0	3 25	2 2	35 15	12 2	0 23	0 42	2 48		n.a.
S 23	5 57	3s24	0s34	14 32	2 6	6 51	0 29	23 18	2 10	15 26	1 15	23 3	0 1	20 7	0 0	3 24	2 2	35 15	12 2	0 23	0 41	2 44		n.a.
S 24	5 33	10 31	1 54	14 3	2 7	7 22	0 32	23 26	2 10	15 22	1 15	23 3	0 1	20 7	0 0	3 23	2 2	35 14	12 2	0 23	0 40	2 41		n.a.
M25	5 9	16 56	3 6	13 32	2 7	7 54	0 35	23 34	2 9	15 18	1 15	23 3	0 1	20 7	0 0	3 22	2 2	35 14	12 1	0 24	0 38	2 37		n.a.
T 26	4 45	22 14	4 3	12 59	2 6	8 25	0 38	23 41	2 8	15 14	1 15	23 4	0 1	20 7	0 0	3 21	2 2	35 14	12 1	0 24	0 37	2 34		n.a.
W27	4 21	26 10	4 45	12 24	2 5	8 56	0 41	23 49	2 8	15 10	1 16	23 4	0 1	20 7	0 0	3 20	2 2	35 14	12 1	0 25	0 36	2 30		n.a.
T 28	3 57	28 30	5 9	11 48	2 2	9 27	0 44	23 56	2 7	15 6	1 16	23 4	0 1	20 7	0 0	3 20	2 2	35 14	12 1	0 25	0 35	2 27		n.a.
F 29	3 32	29 10	5 17	11 11	2 0	9 58	0 47	24 2	2 7	15 2	1 16	23 5	0 1	20 7	0 0	3 19	2 2	35 13	12 1	0 25	0 33	2 23		n.a.
S 30	3n 8	28s16	5s 9	10n33	1n57	10s28	0s50	24s 9	2s 6	14n58	1n16	23s 5	0n 1	20n 6	0s 0	3n18	2n 2	35s13	12s 0	0n24	0n32	2s20		n.a.

Julian Day Number = 1114620.5, Delta T = 10h48m41s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'26, Lahiri = -26°52'26 Julian Calendar 1 Sept. 1662 BCE == Greg. Calendar 18 Aug. 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

OCTOBER 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 39 3	23♍15'18	26♑20	9♍31	25♎49	8♐53	24♌12	15♐38	28°R 6	26♍28	12°R38	0°R59	1♈16	25♓33	n.a.	S 1
M 2	23 43 0	24°15'55	8♒31	11° 6	27° 2	9°36	24°24	15°40	28♉ 5	26°31	12♑38	0♈58	1°13	25°40	n.a.	M 2
T 3	23 46 56	25°16'35	20°33	12°41	28°16	10°20	24°37	15°43	28° 4	26°33	12°38	0°58	1° 9	25°46	n.a.	T 3
W 4	23 50 53	26°17'15	2♓27	14°17	29°29	11° 3	24°49	15°46	28° 3	26°35	12°38	0°57	1° 6	25°53	n.a.	W 4
T 5	23 54 49	27°17'57	14°17	15°53	0♏43	11°47	25° 1	15°49	28° 2	26°37	12°37	0°57	1° 3	26° 0	n.a.	T 5
F 6	23 58 46	28°18'41	26° 5	17°29	1°56	12°30	25°13	15°52	28° 2	26°40	12°37	0°D56	1° 0	26° 6	n.a.	F 6
S 7	0 2 42	29°19'26	7♈53	19° 5	3°10	13°14	25°25	15°56	28° 1	26°42	12°37	0°56	0°57	26°13	n.a.	S 7
S 8	0 6 39	0♎20'13	19°44	20°41	4°23	13°58	25°37	15°59	28° 0	26°44	12°37	0°56	0°54	26°20	n.a.	S 8
M 9	0 10 35	1°21'01	1♉38	22°17	5°36	14°41	25°49	16° 2	27°59	26°46	12°37	0°R56	0°50	26°26	n.a.	M 9
T 10	0 14 32	2°21'51	13°40	23°53	6°50	15°25	26° 0	16° 6	27°57	26°49	12°37	0°56	0°47	26°33	n.a.	T 10
W11	0 18 29	3°22'43	25°51	25°29	8° 3	16° 9	26°12	16°10	27°56	26°51	12°D37	0°56	0°44	26°40	n.a.	W11
T 12	0 22 25	4°23'36	8♊15	27° 4	9°16	16°53	26°24	16°13	27°55	26°53	12°37	0°56	0°41	26°46	n.a.	T 12
F 13	0 26 22	5°24'31	20°55	28°40	10°30	17°36	26°35	16°17	27°54	26°55	12°37	0°55	0°38	26°53	n.a.	F 13
S 14	0 30 18	6°25'27	3♋55	0♎16	11°43	18°20	26°47	16°21	27°53	26°58	12°37	0°D55	0°34	27° 0	n.a.	S 14
S 15	0 34 15	7°26'25	17°17	1°51	12°56	19° 4	26°58	16°25	27°51	27° 0	12°37	0°55	0°31	27° 6	n.a.	S 15
M16	0 38 11	8°27'25	1♌ 3	3°26	14° 9	19°48	27°10	16°29	27°50	27° 2	12°37	0°56	0°28	27°13	n.a.	M16
T 17	0 42 8	9°28'26	15°15	5° 1	15°22	20°32	27°21	16°33	27°48	27° 4	12°37	0°56	0°25	27°19	n.a.	T 17
W18	0 46 4	10°29'29	29°49	6°36	16°35	21°16	27°32	16°37	27°47	27° 7	12°37	0°57	0°22	27°26	n.a.	W18
T 19	0 50 1	11°30'32	14♍44	8°11	17°49	22° 0	27°43	16°42	27°45	27° 9	12°38	0°58	0°19	27°33	n.a.	T 19
F 20	0 53 58	12°31'37	29°51	9°46	19° 2	22°44	27°55	16°46	27°44	27°11	12°38	0°R58	0°15	27°39	n.a.	F 20
S 21	0 57 54	13°32'44	15♎ 3	11°20	20°15	23°28	28° 6	16°50	27°42	27°13	12°38	0°58	0°12	27°46	n.a.	S 21
S 22	1 1 51	14°33'51	0♏ 8	12°55	21°27	24°12	28°16	16°55	27°41	27°15	12°38	0°57	0° 9	27°53	n.a.	S 22
M23	1 5 47	15°34'59	14°59	14°30	22°40	24°57	28°27	16°59	27°39	27°18	12°39	0°55	0° 6	27°59	n.a.	M23
T 24	1 9 44	16°36'08	29°28	16° 4	23°53	25°41	28°38	17° 4	27°37	27°20	12°39	0°53	0° 3	28° 6	n.a.	T 24
W25	1 13 40	17°37'18	13♐31	17°38	25° 6	26°25	28°49	17° 9	27°35	27°22	12°39	0°51	29♓59	28°13	n.a.	W25
T 26	1 17 37	18°38'29	27° 6	19°13	26°19	27° 9	28°59	17°14	27°33	27°24	12°40	0°49	29°56	28°19	n.a.	T 26
F 27	1 21 33	19°39'40	10♑13	20°47	27°32	27°53	29°10	17°19	27°32	27°26	12°40	0°48	29°53	28°26	n.a.	F 27
S 28	1 25 30	20°40'52	22°56	22°22	28°44	28°37	29°20	17°24	27°30	27°28	12°40	0°D48	29°50	28°33	n.a.	S 28
S 29	1 29 27	21°42'04	5♒19	23°56	29°57	29°22	29°31	17°29	27°28	27°30	12°41	0°48	29°47	28°39	n.a.	S 29
M30	1 33 23	22°43'17	17°26	25°31	1♐ 9	0♑ 6	29°41	17°34	27°26	27°32	12°41	0°50	29°44	28°46	n.a.	M30
T 31	1 37 20	23♎44'30	29♒22	27♎ 5	2♐22	0♑50	29♌51	17♐39	27♉24	27♍35	12♑42	0♈52	29♓40	28♓53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	2n44	25s58	4s47	9n53	1n53	10s58	0s52	24s16	2s 5	14n54	1n16	23s 5	0n 1	20n 6	0s 0	3n17	2n 2	35s13	12s 0	0n24	0n31	2s16			n.a.
M 2	2 19	22 31	4 12	9 13	1 49	11 28	0 55	24 22	2 5	14 50	1 16	23 6	0 1	20 6	0 0	3 16	2 2	35 13	12 0	0 24	0 29	2 13			n.a.
T 3	1 55	18 10	3 26	8 32	1 45	11 58	0 58	24 28	2 4	14 46	1 16	23 6	0 0	20 6	0 0	3 15	2 2	35 13	12 0	0 23	0 28	2 9			n.a.
W 4	1 30	13 9	2 32	7 50	1 40	12 27	1 1	24 33	2 3	14 42	1 16	23 7	0 0	20 6	0 0	3 14	2 2	35 12	11 59	0 23	0 27	2 6			n.a.
T 5	1 6	7 42	1 31	7 7	1 35	12 56	1 4	24 39	2 3	14 38	1 17	23 7	0 0	20 6	0 0	3 13	2 2	35 12	11 59	0 23	0 26	2 2			n.a.
F 6	0 41	2 0	0 27	6 25	1 30	13 25	1 7	24 44	2 2	14 34	1 17	23 7	0 0	20 5	0 0	3 12	2 2	35 12	11 59	0 23	0 24	1 59			n.a.
S 7	0 16	3n47	0n39	5 41	1 24	13 53	1 9	24 49	2 1	14 30	1 17	23 8	0 0	20 5	0 0	3 11	2 2	35 12	11 59	0 23	0 23	1 55			n.a.
S 8	0s 8	9 26	1 43	4 58	1 19	14 21	1 12	24 54	2 1	14 26	1 17	23 8	0 0	20 5	0 0	3 10	2 2	35 11	11 58	0 23	0 22	1 52			n.a.
M 9	0 33	14 48	2 43	4 14	1 13	14 49	1 15	24 59	2 0	14 22	1 17	23 9	0s 0	20 5	0 0	3 10	2 2	35 11	11 58	0 23	0 20	1 48			n.a.
T 10	0 57	19 40	3 36	3 30	1 7	15 16	1 17	25 3	1 59	14 18	1 17	23 9	0 0	20 5	0 0	3 9	2 2	35 11	11 58	0 23	0 19	1 45			n.a.
W11	1 22	23 47	4 20	2 45	1 1	15 43	1 20	25 7	1 58	14 14	1 17	23 10	0 0	20 4	0 0	3 8	2 2	35 11	11 58	0 23	0 18	1 41			n.a.
T 12	1 47	26 55	4 53	2 1	0 55	16 10	1 23	25 11	1 58	14 10	1 18	23 10	0 0	20 4	0 0	3 7	2 2	35 10	11 57	0 23	0 17	1 38			n.a.
F 13	2 11	28 47	5 13	1 17	0 48	16 36	1 25	25 14	1 57	14 6	1 18	23 11	0 0	20 4	0 0	3 6	2 2	35 10	11 57	0 22	0 15	1 34			n.a.
S 14	2 36	29 7	5 17	0 32	0 42	17 1	1 28	25 18	1 56	14 2	1 18	23 11	0 0	20 3	0 0	3 5	2 2	35 10	11 57	0 22	0 14	1 31			n.a.
S 15	3 0	27 47	5 5	0s12	0 36	17 27	1 30	25 21	1 55	13 58	1 18	23 12	0 1	20 3	0 0	3 4	2 2	35 10	11 57	0 22	0 13	1 27			n.a.
M16	3 25	24 46	4 35	0 57	0 29	17 52	1 33	25 24	1 55	13 54	1 18	23 12	0 1	20 3	0 0	3 3	2 2	35 9	11 56	0 23	0 11	1 24			n.a.
T 17	3 49	20 11	3 48	1 41	0 23	18 16	1 35	25 26	1 54	13 51	1 18	23 13	0 1	20 3	0 0	3 2	2 2	35 9	11 56	0 23	0 10	1 20			n.a.
W18	4 14	14 18	2 45	2 26	0 16	18 40	1 37	25 29	1 53	13 47	1 18	23 13	0 1	20 2	0 0	3 1	2 2	35 9	11 56	0 23	0 9	1 17			n.a.
T 19	4 38	7 29	1 29	3 10	0 9	19 3	1 40	25 31	1 52	13 43	1 19	23 14	0 1	20 2	0 0	3 1	2 2	35 9	11 56	0 23	0 8	1 13			n.a.
F 20	5 2	0 9	0 6	3 54	0 3	19 26	1 42	25 33	1 52	13 39	1 19	23 14	0 1	20 2	0 0	3 0	2 2	35 8	11 55	0 24	0 6	1 10			n.a.
S 21	5 27	7s13	1s17	4 37	0s 4	19 49	1 44	25 34	1 51	13 36	1 19	23 15	0 1	20 1	0n 0	2 59	2 2	35 8	11 55	0 23	0 5	1 6			n.a.
S 22	5 51	14 8	2 35	5 21	0 10	20 10	1 46	25 36	1 50	13 32	1 19	23 15	0 1	20 1	0 0	2 58	2 2	35 8	11 55	0 23	0 4	1 3			n.a.
M23	6 15	20 8	3 40	6 4	0 16	20 32	1 48	25 37	1 49	13 28	1 19	23 16	0 1	20 0	0 0	2 57	2 2	35 7	11 54	0 22	0 2	0 59			n.a.
T 24	6 39	24 48	4 30	6 47	0 23	20 53	1 50	25 38	1 49	13 24	1 20	23 16	0 1	20 0	0 0	2 56	2 2	35 7	11 54	0 22	0 1	0 56			n.a.
W25	7 3	27 51	5 2	7 30	0 29	21 13	1 52	25 38	1 48	13 21	1 20	23 17	0 1	20 0	0 0	2 55	2 2	35 7	11 54	0 21	0s 0	0 52			n.a.
T 26	7 26	29 7	5 16	8 12	0 35	21 33	1 54	25 38	1 47	13 17	1 20	23 17	0 1	19 59	0 0	2 55	2 2	35 7	11 54	0 20	0 1	0 49			n.a.
F 27	7 50	28 40	5 12	8 54	0 42	21 52	1 56	25 39	1 46	13 14	1 20	23 18	0 2	19 59	0 0	2 54	2 2	35 6	11 53	0 19	0 3	0 45			n.a.
S 28	8 13	26 43	4 53	9 36	0 48	22 10	1 58	25 38	1 45	13 10	1 20	23 18	0 2	19 58	0 0	2 53	2 2	35 6	11 53	0 19	0 4	0 42			n.a.
S 29	8 37	23 30	4 21	10 17	0 54	22 28	1 59	25 38	1 44	13 7	1 20	23 19	0 2	19 58	0 0	2 52	2 2	35 6	11 53	0 20	0 5	0 38			n.a.
M30	9 0	19 21	3 38	10 58	0 59	22 45	2 1	25 37	1 44	13 3	1 21	23 20	0 2	19 57	0 0	2 51	2 2	35 5	11 53	0 20	0 7	0 35			n.a.
T 31	9s23	14s29	2s45	11s38	1s 5	23s 2	2s 3	25s36	1s43	13n 0	1n21	23s20	0s 2	19n57	0n 0	2n50	2n 2	35s 5	11s52	0n21	0s 8	0s31			n.a.

Julian Day Number = 1114650.5, Delta T = 10h48m39s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'22, Lahiri = -26°52'22 Julian Calendar 1 Oct. 1662 BCE == Greg. Calendar 17 Sept. 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

NOVEMBER 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 41 16	24♎45'43	11♓11	28♎40	3♐34	1♑34	0♍ 1	17♐44	27°R22	27♍37	12♑42	0♈53	29♓37	28♓59	n.a.	W 1
T 2	1 45 13	25°46'57	22°58	0♏15	4°47	2°18	0°11	17°50	27♉20	27°39	12°43	0°54	29°34	29° 6	n.a.	T 2
F 3	1 49 9	26°48'11	4♈46	1°49	5°59	3° 3	0°21	17°55	27°18	27°41	12°44	0°R55	29°31	29°12	n.a.	F 3
S 4	1 53 6	27°49'26	16°37	3°24	7°11	3°47	0°30	18° 0	27°15	27°43	12°44	0°54	29°28	29°19	n.a.	S 4
S 5	1 57 2	28°50'41	28°34	4°59	8°23	4°31	0°40	18° 6	27°13	27°45	12°45	0°51	29°25	29°26	n.a.	S 5
M 6	2 0 59	29°51'57	10♉40	6°34	9°35	5°15	0°50	18°12	27°11	27°47	12°45	0°47	29°21	29°32	n.a.	M 6
T 7	2 4 56	0♏53'13	22°54	8°10	10°48	6° 0	0°59	18°17	27° 9	27°49	12°46	0°42	29°18	29°39	n.a.	T 7
W 8	2 8 52	1°54'30	5♊19	9°45	12° 0	6°44	1° 8	18°23	27° 6	27°51	12°47	0°36	29°15	29°46	n.a.	W 8
T 9	2 12 49	2°55'48	17°55	11°21	13°11	7°28	1°17	18°29	27° 4	27°53	12°47	0°31	29°12	29°52	n.a.	T 9
F 10	2 16 45	3°57'06	0♋45	12°56	14°23	8°12	1°27	18°35	27° 2	27°54	12°48	0°26	29° 9	29°59	n.a.	F 10
S 11	2 20 42	4°58'24	13°49	14°32	15°35	8°56	1°36	18°40	27° 0	27°56	12°49	0°22	29° 5	0♈ 6	n.a.	S 11
S 12	2 24 38	5°59'43	27° 8	16° 8	16°47	9°41	1°44	18°46	26°57	27°58	12°50	0°20	29° 2	0°12	n.a.	S 12
M13	2 28 35	7° 1'02	10♌46	17°43	17°58	10°25	1°53	18°52	26°55	28° 0	12°51	0°D20	28°59	0°19	n.a.	M13
T 14	2 32 32	8° 2'22	24°42	19°19	19°10	11° 9	2° 2	18°58	26°52	28° 2	12°51	0°21	28°56	0°26	n.a.	T 14
W15	2 36 28	9° 3'42	8♍57	20°55	20°21	11°53	2°10	19° 5	26°50	28° 4	12°52	0°22	28°53	0°32	n.a.	W15
T 16	2 40 25	10° 5'03	23°29	22°31	21°33	12°38	2°19	19°11	26°47	28° 6	12°53	0°R23	28°50	0°39	n.a.	T 16
F 17	2 44 21	11° 6'23	8♎14	24° 6	22°44	13°22	2°27	19°17	26°45	28° 7	12°54	0°23	28°46	0°45	n.a.	F 17
S 18	2 48 18	12° 7'44	23° 8	25°41	23°55	14° 6	2°35	19°23	26°42	28° 9	12°55	0°21	28°43	0°52	n.a.	S 18
S 19	2 52 14	13° 9'05	8♏ 3	27°16	25° 6	14°50	2°43	19°29	26°40	28°11	12°56	0°17	28°40	0°59	n.a.	S 19
M20	2 56 11	14°10'26	22°49	28°50	26°17	15°34	2°51	19°36	26°37	28°13	12°57	0°11	28°37	1° 5	n.a.	M20
T 21	3 0 8	15°11'47	7♐20	0♐24	27°28	16°18	2°58	19°42	26°35	28°14	12°58	0° 4	28°34	1°12	n.a.	T 21
W22	3 4 4	16°13'07	21°28	1°57	28°39	17° 3	3° 6	19°49	26°32	28°16	12°59	29♓56	28°31	1°19	n.a.	W22
T 23	3 8 1	17°14'27	5♑10	3°28	29°49	17°47	3°13	19°55	26°30	28°18	13° 0	29°48	28°27	1°25	n.a.	T 23
F 24	3 11 57	18°15'47	18°24	4°58	1♑ 0	18°31	3°21	20° 2	26°27	28°19	13° 1	29°42	28°24	1°32	n.a.	F 24
S 25	3 15 54	19°17'06	1♒13	6°27	2°10	19°15	3°28	20° 8	26°25	28°21	13° 2	29°38	28°21	1°39	n.a.	S 25
S 26	3 19 50	20°18'24	13°39	7°54	3°21	19°59	3°35	20°15	26°22	28°22	13° 3	29°37	28°18	1°45	n.a.	S 26
M27	3 23 47	21°19'42	25°47	9°18	4°31	20°43	3°42	20°22	26°19	28°24	13° 4	29°D36	28°15	1°52	n.a.	M27
T 28	3 27 43	22°20'59	7♓43	10°39	5°41	21°27	3°48	20°28	26°17	28°25	13° 6	29°37	28°11	1°59	n.a.	T 28
W29	3 31 40	23°22'15	19°31	11°57	6°51	22°11	3°55	20°35	26°14	28°27	13° 7	29°39	28° 8	2° 5	n.a.	W29
T 30	3 35 37	24♏23'30	1♈18	13♐11	8♑ 1	22♑55	4♍ 1	20♐42	26♉12	28♍28	13♑ 8	29°R39	28♓ 5	2♈12	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s46	9s 9	1s47	12s18	1s11	23s18	2s 4	25s35	1s42	12n56	1n21	23s21	0s 2	19n57	0n 0	2n50	2n 2	35s 5	11s52	0n22	0s 9	0s28		n.a.
T 2	10 9	3 30	0 44	12 57	1 16	23 33	2 5	25 33	1 41	12 53	1 21	23 21	0 2	19 56	0 0	2 49	2 2	35 4	11 52	0 22	0 11	0 24		n.a.
F 3	10 31	2n15	0n21	13 36	1 21	23 47	2 7	25 32	1 40	12 50	1 21	23 22	0 2	19 56	0 0	2 48	2 2	35 4	11 52	0 22	0 12	0 21		n.a.
S 4	10 54	7 58	1 25	14 14	1 26	24 1	2 8	25 30	1 40	12 46	1 22	23 22	0 2	19 55	0 0	2 47	2 2	35 4	11 51	0 22	0 13	0 17		n.a.
S 5	11 16	13 26	2 26	14 51	1 31	24 15	2 9	25 27	1 39	12 43	1 22	23 23	0 2	19 55	0 0	2 46	2 2	35 4	11 51	0 21	0 14	0 14		n.a.
M 6	11 38	18 28	3 21	15 28	1 36	24 27	2 10	25 25	1 38	12 40	1 22	23 24	0 2	19 54	0 0	2 46	2 2	35 3	11 51	0 19	0 16	0 10		n.a.
T 7	12 0	22 49	4 7	16 4	1 40	24 39	2 11	25 22	1 37	12 37	1 22	23 24	0 2	19 54	0 0	2 45	2 2	35 3	11 51	0 17	0 17	0 7		n.a.
W 8	12 22	26 13	4 42	16 39	1 44	24 50	2 12	25 19	1 36	12 33	1 23	23 25	0 2	19 53	0 0	2 44	2 2	35 3	11 51	0 15	0 18	0 3		n.a.
T 9	12 43	28 23	5 5	17 14	1 48	25 0	2 13	25 16	1 35	12 30	1 23	23 25	0 3	19 53	0 0	2 43	2 2	35 2	11 50	0 12	0 20	0n 0		n.a.
F 10	13 4	29 5	5 12	17 47	1 52	25 10	2 13	25 12	1 34	12 27	1 23	23 26	0 3	19 52	0 0	2 43	2 2	35 2	11 50	0 10	0 21	0 4		n.a.
S 11	13 25	28 11	5 3	18 20	1 55	25 19	2 14	25 8	1 34	12 24	1 23	23 27	0 3	19 51	0 0	2 42	2 2	35 2	11 50	0 9	0 22	0 7		n.a.
S 12	13 46	25 40	4 39	18 52	1 58	25 27	2 15	25 4	1 33	12 21	1 23	23 27	0 3	19 51	0 0	2 41	2 2	35 1	11 50	0 8	0 23	0 11		n.a.
M13	14 7	21 40	3 58	19 22	2 1	25 35	2 15	25 0	1 32	12 18	1 24	23 28	0 3	19 50	0 0	2 41	2 2	35 1	11 49	0 8	0 25	0 14		n.a.
T 14	14 27	16 23	3 2	19 52	2 3	25 41	2 15	24 55	1 31	12 15	1 24	23 28	0 3	19 50	0 0	2 40	2 3	35 1	11 49	0 8	0 26	0 18		n.a.
W15	14 47	10 7	1 54	20 20	2 5	25 47	2 16	24 51	1 30	12 12	1 24	23 29	0 3	19 49	0 0	2 39	2 3	35 0	11 49	0 9	0 27	0 21		n.a.
T 16	15 7	3 13	0 38	20 47	2 7	25 52	2 16	24 46	1 29	12 9	1 24	23 30	0 3	19 49	0 0	2 38	2 3	35 0	11 49	0 9	0 29	0 25		n.a.
F 17	15 27	3s59	0s43	21 13	2 8	25 57	2 16	24 40	1 28	12 7	1 25	23 30	0 3	19 48	0 0	2 38	2 3	35 0	11 48	0 9	0 30	0 28		n.a.
S 18	15 46	11 1	2 0	21 37	2 9	26 0	2 16	24 35	1 28	12 4	1 25	23 31	0 3	19 48	0 0	2 37	2 3	34 59	11 48	0 9	0 31	0 32		n.a.
S 19	16 5	17 26	3 10	22 0	2 9	26 3	2 15	24 29	1 27	12 1	1 25	23 31	0 3	19 47	0 0	2 36	2 3	34 59	11 48	0 7	0 32	0 35		n.a.
M20	16 24	22 47	4 6	22 22	2 8	26 5	2 15	24 23	1 26	11 59	1 25	23 32	0 3	19 46	0 0	2 36	2 3	34 59	11 48	0 4	0 34	0 39		n.a.
T 21	16 42	26 37	4 45	22 41	2 7	26 7	2 15	24 17	1 25	11 56	1 26	23 32	0 3	19 46	0 0	2 35	2 3	34 58	11 48	0 1	0 35	0 42		n.a.
W22	17 0	28 41	5 5	22 59	2 6	26 7	2 14	24 10	1 24	11 53	1 26	23 33	0 4	19 45	0 0	2 35	2 3	34 58	11 47	0s 2	0 36	0 46		n.a.
T 23	17 18	28 54	5 7	23 16	2 3	26 7	2 14	24 4	1 23	11 51	1 26	23 34	0 4	19 45	0 0	2 34	2 3	34 58	11 47	0 5	0 38	0 49		n.a.
F 24	17 35	27 25	4 52	23 30	2 0	26 6	2 13	23 57	1 22	11 48	1 26	23 34	0 4	19 44	0 0	2 33	2 3	34 58	11 47	0 7	0 39	0 53		n.a.
S 25	17 53	24 32	4 23	23 42	1 57	26 4	2 12	23 49	1 22	11 46	1 27	23 35	0 4	19 43	0 0	2 33	2 3	34 57	11 47	0 9	0 40	0 56		n.a.
S 26	18 9	20 35	3 42	23 53	1 52	26 2	2 11	23 42	1 21	11 44	1 27	23 35	0 4	19 43	0 0	2 32	2 3	34 57	11 47	0 9	0 41	1 0		n.a.
M27	18 26	15 51	2 52	24 1	1 46	25 59	2 10	23 34	1 20	11 41	1 27	23 36	0 4	19 42	0 0	2 32	2 3	34 57	11 46	0 10	0 43	1 3		n.a.
T 28	18 42	10 37	1 55	24 7	1 40	25 55	2 9	23 27	1 19	11 39	1 28	23 36	0 4	19 42	0 0	2 31	2 3	34 56	11 46	0 9	0 44	1 7		n.a.
W29	18 58	5 3	0 54	24 11	1 33	25 50	2 8	23 18	1 18	11 37	1 28	23 37	0 4	19 41	0 0	2 30	2 3	34 56	11 46	0 9	0 45	1 10		n.a.
T 30	19s13	0n40	0n 9	24s12	1s24	25s45	2s 6	23s10	1s17	11n35	1n28	23s38	0s 4	19n40	0n 0	2n30	2n 3	34s56	11s46	0s 9	0s47	1n14		n.a.

Julian Day Number = 1114681.5, Delta T = 10h48m37s
Ecliptic obliquity = 23°53'28, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'18, Lahiri = -26°52'18 Julian Calendar 1 Nov. 1662 BCE == Greg. Calendar 18 Oct. 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1662 BCE
geocentric

DECEMBER 1662 BCE (-1661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 39 33	25♏24'45	13♈ 7	14♐20	9♑10	23♑39	4♍ 8	20♐49	26°R 9	28♍30	13♑ 9	29°R38	28♓ 2	2♈19	n.a.	F 1
S 2	3 43 30	26°25'58	25° 3	15°24	10°20	24°23	4°14	20°55	26♉ 6	28°31	13°10	29♓34	27°59	2°25	n.a.	S 2
S 3	3 47 26	27°27'11	7♉ 8	16°21	11°29	25° 7	4°20	21° 2	26° 4	28°33	13°11	29°28	27°56	2°32	n.a.	S 3
M 4	3 51 23	28°28'24	19°26	17°12	12°38	25°51	4°25	21° 9	26° 1	28°34	13°13	29°20	27°52	2°38	n.a.	M 4
T 5	3 55 19	29°29'35	1♊56	17°54	13°47	26°35	4°31	21°16	25°59	28°35	13°14	29° 9	27°49	2°45	n.a.	T 5
W 6	3 59 16	0♐30'46	14°40	18°28	14°56	27°19	4°37	21°23	25°56	28°37	13°15	28°58	27°46	2°52	n.a.	W 6
T 7	4 3 13	1°31'57	27°37	18°52	16° 5	28° 3	4°42	21°30	25°53	28°38	13°17	28°46	27°43	2°58	n.a.	T 7
F 8	4 7 9	2°33'06	10♋47	19° 5	17°13	28°46	4°47	21°37	25°51	28°39	13°18	28°36	27°40	3° 5	n.a.	F 8
S 9	4 11 6	3°34'15	24° 7	19°R 8	18°21	29°30	4°52	21°44	25°48	28°40	13°19	28°27	27°37	3°12	n.a.	S 9
S 10	4 15 2	4°35'23	7♌38	18°59	19°30	0♒14	4°57	21°51	25°46	28°42	13°21	28°22	27°33	3°18	n.a.	S 10
M11	4 18 59	5°36'30	21°19	18°38	20°38	0°58	5° 2	21°58	25°43	28°43	13°22	28°19	27°30	3°25	n.a.	M11
T 12	4 22 55	6°37'37	5♍11	18° 6	21°45	1°42	5° 6	22° 5	25°41	28°44	13°23	28°D18	27°27	3°32	n.a.	T 12
W13	4 26 52	7°38'43	19°13	17°23	22°53	2°25	5°10	22°13	25°38	28°45	13°25	28°18	27°24	3°38	n.a.	W13
T 14	4 30 49	8°39'48	3♎25	16°30	24° 0	3° 9	5°15	22°20	25°35	28°46	13°26	28°R18	27°21	3°45	n.a.	T 14
F 15	4 34 45	9°40'52	17°46	15°29	25° 7	3°53	5°19	22°27	25°33	28°47	13°28	28°17	27°17	3°52	n.a.	F 15
S 16	4 38 42	10°41'56	2♏13	14°21	26°14	4°36	5°22	22°34	25°30	28°48	13°29	28°13	27°14	3°58	n.a.	S 16
S 17	4 42 38	11°42'59	16°42	13° 9	27°21	5°20	5°26	22°41	25°28	28°49	13°31	28° 6	27°11	4° 5	n.a.	S 17
M18	4 46 35	12°44'00	1♐ 7	11°54	28°27	6° 3	5°30	22°48	25°25	28°50	13°32	27°56	27° 8	4°12	n.a.	M18
T 19	4 50 31	13°45'01	15°22	10°39	29°34	6°47	5°33	22°56	25°23	28°51	13°33	27°45	27° 5	4°18	n.a.	T 19
W20	4 54 28	14°46'00	29°20	9°27	0♒39	7°30	5°36	23° 3	25°21	28°52	13°35	27°32	27° 2	4°25	n.a.	W20
T 21	4 58 24	15°46'58	12♑57	8°18	1°45	8°14	5°39	23°10	25°18	28°53	13°36	27°20	26°58	4°31	n.a.	T 21
F 22	5 2 21	16°47'54	26°11	7°14	2°51	8°57	5°42	23°17	25°16	28°53	13°38	27° 9	26°55	4°38	n.a.	F 22
S 23	5 6 18	17°48'49	9♒ 1	6°17	3°56	9°41	5°44	23°25	25°13	28°54	13°40	27° 1	26°52	4°45	n.a.	S 23
S 24	5 10 14	18°49'42	21°30	5°28	5° 1	10°24	5°46	23°32	25°11	28°55	13°41	26°56	26°49	4°51	n.a.	S 24
M25	5 14 11	19°50'33	3♓40	4°46	6° 5	11° 8	5°49	23°39	25° 9	28°56	13°43	26°53	26°46	4°58	n.a.	M25
T 26	5 18 7	20°51'23	15°38	4°13	7°10	11°51	5°51	23°47	25° 6	28°56	13°44	26°53	26°43	5° 5	n.a.	T 26
W27	5 22 4	21°52'11	27°27	3°49	8°13	12°34	5°52	23°54	25° 4	28°57	13°46	26°53	26°39	5°11	n.a.	W27
T 28	5 26 0	22°52'57	9♈14	3°32	9°17	13°18	5°54	24° 1	25° 2	28°57	13°47	26°52	26°36	5°18	n.a.	T 28
F 29	5 29 57	23°53'41	21° 5	3°24	10°20	14° 1	5°56	24° 8	25° 0	28°58	13°49	26°50	26°33	5°25	n.a.	F 29
S 30	5 33 53	24°54'24	3♉ 4	3°D23	11°23	14°44	5°57	24°16	24°58	28°59	13°50	26°46	26°30	5°31	n.a.	S 30
S 31	5 37 50	25♐55'04	15♉15	3♐29	12♒26	15♒27	5♍58	24♐23	24♉55	28♍59	13♑52	26♓39	26♓27	5♈38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s29	6n22	1n12	24s11	1s15	25s38	2s 5	23s 2	1s16	11n33	1n28	23s38	0s 4	19n40	0n 0	2n29	2n 3	34s55	11s46	0s 9	0s48	1n17		n.a.
S 2	19 43	11 55	2 12	24 8	1 4	25 32	2 3	22 53	1 15	11 31	1 29	23 39	0 4	19 39	0 0	2 29	2 3	34 55	11 46	0 10	0 49	1 21		n.a.
S 3	19 58	17 5	3 7	24 2	0 52	25 24	2 1	22 44	1 15	11 29	1 29	23 39	0 4	19 38	0 0	2 28	2 4	34 55	11 45	0 13	0 50	1 24		n.a.
M 4	20 12	21 39	3 54	23 55	0 39	25 16	1 59	22 35	1 14	11 27	1 29	23 40	0 4	19 38	0 0	2 28	2 4	34 54	11 45	0 16	0 52	1 28		n.a.
T 5	20 25	25 21	4 30	23 45	0 25	25 7	1 58	22 25	1 13	11 25	1 29	23 40	0 5	19 37	0 0	2 27	2 4	34 54	11 45	0 20	0 53	1 31		n.a.
W 6	20 39	27 51	4 54	23 32	0 10	24 57	1 55	22 16	1 12	11 23	1 30	23 41	0 5	19 37	0 1	2 27	2 4	34 54	11 45	0 25	0 54	1 35		n.a.
T 7	20 51	28 55	5 3	23 18	0n 7	24 46	1 53	22 6	1 11	11 22	1 30	23 41	0 5	19 36	0 1	2 26	2 4	34 54	11 45	0 30	0 56	1 38		n.a.
F 8	21 4	28 22	4 56	23 2	0 24	24 35	1 51	21 56	1 10	11 20	1 30	23 42	0 5	19 35	0 1	2 26	2 4	34 53	11 45	0 34	0 57	1 42		n.a.
S 9	21 16	26 11	4 34	22 44	0 42	24 24	1 48	21 46	1 9	11 18	1 31	23 42	0 5	19 35	0 1	2 26	2 4	34 53	11 44	0 38	0 58	1 45		n.a.
S 10	21 27	22 30	3 55	22 25	1 1	24 11	1 46	21 36	1 8	11 17	1 31	23 43	0 5	19 34	0 1	2 25	2 4	34 53	11 44	0 40	0 59	1 49		n.a.
M11	21 39	17 33	3 3	22 4	1 20	23 58	1 43	21 25	1 8	11 15	1 31	23 44	0 5	19 34	0 1	2 25	2 4	34 52	11 44	0 41	1 1	1 52		n.a.
T 12	21 49	11 38	2 0	21 42	1 39	23 45	1 40	21 14	1 7	11 14	1 32	23 44	0 5	19 33	0 1	2 24	2 4	34 52	11 44	0 41	1 2	1 56		n.a.
W13	22 0	5 5	0 48	21 19	1 58	23 30	1 37	21 4	1 6	11 13	1 32	23 45	0 5	19 32	0 1	2 24	2 4	34 52	11 44	0 41	1 3	1 59		n.a.
T 14	22 10	1s48	0s27	20 56	2 16	23 15	1 34	20 52	1 5	11 11	1 32	23 45	0 5	19 32	0 1	2 24	2 4	34 52	11 44	0 41	1 5	2 3		n.a.
F 15	22 19	8 39	1 41	20 32	2 34	23 0	1 31	20 41	1 4	11 10	1 32	23 46	0 5	19 31	0 1	2 23	2 4	34 51	11 44	0 42	1 6	2 6		n.a.
S 16	22 28	15 7	2 50	20 9	2 49	22 44	1 28	20 30	1 3	11 9	1 33	23 46	0 5	19 31	0 1	2 23	2 4	34 51	11 44	0 43	1 7	2 10		n.a.
S 17	22 37	20 45	3 47	19 47	3 3	22 27	1 24	20 18	1 2	11 8	1 33	23 47	0 5	19 30	0 1	2 23	2 4	34 51	11 43	0 46	1 8	2 13		n.a.
M18	22 45	25 9	4 29	19 25	3 15	22 10	1 21	20 6	1 2	11 7	1 33	23 47	0 6	19 29	0 1	2 22	2 5	34 50	11 43	0 50	1 10	2 17		n.a.
T 19	22 53	27 56	4 54	19 6	3 24	21 53	1 17	19 54	1 1	11 6	1 34	23 47	0 6	19 29	0 1	2 22	2 5	34 50	11 43	0 55	1 11	2 20		n.a.
W20	23 0	28 54	5 1	18 48	3 32	21 34	1 13	19 42	1 0	11 5	1 34	23 48	0 6	19 28	0 1	2 22	2 5	34 50	11 43	1 0	1 12	2 24		n.a.
T 21	23 7	28 3	4 50	18 33	3 36	21 16	1 9	19 30	0 59	11 4	1 34	23 48	0 6	19 28	0 1	2 21	2 5	34 50	11 43	1 5	1 14	2 27		n.a.
F 22	23 13	25 37	4 24	18 20	3 39	20 57	1 5	19 17	0 58	11 3	1 35	23 49	0 6	19 27	0 1	2 21	2 5	34 49	11 43	1 9	1 15	2 31		n.a.
S 23	23 19	21 57	3 45	18 10	3 39	20 37	1 1	19 5	0 57	11 3	1 35	23 49	0 6	19 26	0 1	2 21	2 5	34 49	11 43	1 12	1 16	2 34		n.a.
S 24	23 25	17 22	2 56	18 3	3 37	20 17	0 56	18 52	0 56	11 2	1 35	23 50	0 6	19 26	0 1	2 21	2 5	34 49	11 43	1 14	1 17	2 38		n.a.
M25	23 30	12 12	2 0	17 59	3 34	19 56	0 52	18 39	0 56	11 2	1 36	23 50	0 6	19 25	0 1	2 20	2 5	34 49	11 43	1 16	1 19	2 41		n.a.
T 26	23 34	6 41	0 59	17 58	3 29	19 35	0 47	18 26	0 55	11 1	1 36	23 51	0 6	19 25	0 1	2 20	2 5	34 48	11 43	1 16	1 20	2 44		n.a.
W27	23 38	0 59	0n 3	18 0	3 23	19 14	0 43	18 13	0 54	11 1	1 36	23 51	0 6	19 24	0 1	2 20	2 5	34 48	11 43	1 16	1 21	2 48		n.a.
T 28	23 42	4n43	1 5	18 4	3 15	18 52	0 38	17 59	0 53	11 0	1 36	23 51	0 6	19 24	0 1	2 20	2 5	34 48	11 42	1 16	1 23	2 51		n.a.
F 29	23 45	10 18	2 4	18 10	3 7	18 30	0 33	17 46	0 52	11 0	1 37	23 52	0 6	19 23	0 1	2 20	2 5	34 48	11 42	1 17	1 24	2 55		n.a.
S 30	23 47	15 34	2 59	18 19	2 58	18 8	0 28	17 32	0 51	11 0	1 37	23 52	0 6	19 23	0 1	2 19	2 5	34 47	11 42	1 18	1 25	2 58		n.a.
S 31	23s50	20n19	3n46	18s30	2n48	17s45	0s22	17s18	0s51	11n 0	1n37	23s53	0s 7	19n22	0n 1	2n19	2n 5	34s47	11s42	1s21	1s26	3n 2		n.a.

Julian Day Number = 1114711.5, Delta T = 10h48m35s
Ecliptic obliquity = 23°53'27, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'14, Lahiri = -26°52'13 Julian Calendar 1 Dec. 1662 BCE == Greg. Calendar 17 Nov. 1662 BCE

The year -1661 astronomical counting style corresponds to year 1662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

JANUARY 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 41 47	26♐55'43	27♉43	3♐42	13♒28	16♒10	5♍59	24♐30	24°R53	29♍ 0	13♋54	26°R30	26♓23	5♈45	n.a.	M 1
T 2	5 45 43	27°56'21	10♊28	4° 1	14°30	16°53	5°59	24°38	24♉51	29° 0	13°55	26♓18	26°20	5°51	n.a.	T 2
W 3	5 49 40	28°56'56	23°31	4°26	15°31	17°36	6° 0	24°45	24°49	29° 0	13°57	26° 4	26°17	5°58	n.a.	W 3
T 4	5 53 36	29°57'30	6♋50	4°56	16°32	18°19	6° 0	24°52	24°47	29° 1	13°59	25°51	26°14	6° 5	n.a.	T 4
F 5	5 57 33	0♌58'02	20°24	5°31	17°33	19° 2	6°R 0	24°59	24°45	29° 1	14° 0	25°39	26°11	6°11	n.a.	F 5
S 6	6 1 29	1°58'32	4♎10	6°10	18°33	19°45	6° 0	25° 7	24°43	29° 1	14° 2	25°29	26° 8	6°18	n.a.	S 6
S 7	6 5 26	2°59'01	18° 3	6°54	19°33	20°28	6° 0	25°14	24°41	29° 2	14° 3	25°22	26° 4	6°24	n.a.	S 7
M 8	6 9 23	3°59'28	2♍ 2	7°41	20°32	21°11	6° 0	25°21	24°40	29° 2	14° 5	25°18	26° 1	6°31	n.a.	M 8
T 9	6 13 19	4°59'53	16° 4	8°32	21°30	21°54	5°59	25°28	24°38	29° 2	14° 7	25°16	25°58	6°38	n.a.	T 9
W10	6 17 16	6° 0'17	0♏ 9	9°27	22°29	22°37	5°58	25°36	24°36	29° 2	14° 8	25°16	25°55	6°44	n.a.	W10
T 11	6 21 12	7° 0'39	14°14	10°24	23°26	23°20	5°57	25°43	24°34	29° 2	14°10	25°16	25°52	6°51	n.a.	T 11
F 12	6 25 9	8° 1'00	28°20	11°24	24°23	24° 2	5°56	25°50	24°33	29° 3	14°12	25°14	25°49	6°58	n.a.	F 12
S 13	6 29 5	9° 1'19	12♏25	12°26	25°20	24°45	5°54	25°57	24°31	29° 3	14°13	25°11	25°45	7° 4	n.a.	S 13
S 14	6 33 2	10° 1'37	26°27	13°31	26°16	25°28	5°53	26° 4	24°29	29° 3	14°15	25° 4	25°42	7°11	n.a.	S 14
M15	6 36 58	11° 1'52	10♐24	14°38	27°12	26°10	5°51	26°12	24°28	29°R 3	14°17	24°55	25°39	7°18	n.a.	M15
T 16	6 40 55	12° 2'07	24°13	15°48	28° 6	26°53	5°49	26°19	24°26	29° 3	14°18	24°44	25°36	7°24	n.a.	T 16
W17	6 44 52	13° 2'19	7♑48	16°59	29° 1	27°36	5°47	26°26	24°25	29° 3	14°20	24°32	25°33	7°31	n.a.	W17
T 18	6 48 48	14° 2'29	21° 8	18°12	29°54	28°18	5°45	26°33	24°23	29° 3	14°22	24°20	25°29	7°38	n.a.	T 18
F 19	6 52 45	15° 2'37	4♒ 9	19°27	0♓47	29° 1	5°42	26°40	24°22	29° 2	14°24	24° 9	25°26	7°44	n.a.	F 19
S 20	6 56 41	16° 2'43	16°52	20°43	1°39	29°43	5°39	26°47	24°21	29° 2	14°25	24° 1	25°23	7°51	n.a.	S 20
S 21	7 0 38	17° 2'46	29°17	22° 2	2°31	0♓25	5°37	26°54	24°19	29° 2	14°27	23°55	25°20	7°58	n.a.	S 21
M22	7 4 34	18° 2'48	11♓26	23°21	3°21	1° 8	5°33	27° 1	24°18	29° 2	14°29	23°53	25°17	8° 4	n.a.	M22
T 23	7 8 31	19° 2'47	23°24	24°43	4°11	1°50	5°30	27° 8	24°17	29° 1	14°30	23°D52	25°14	8°11	n.a.	T 23
W24	7 12 27	20° 2'43	5♈14	26° 5	5° 0	2°33	5°27	27°15	24°16	29° 1	14°32	23°52	25°10	8°18	n.a.	W24
T 25	7 16 24	21° 2'38	17° 2	27°29	5°48	3°15	5°23	27°22	24°14	29° 1	14°34	23°R53	25° 7	8°24	n.a.	T 25
F 26	7 20 21	22° 2'30	28°53	28°55	6°36	3°57	5°19	27°29	24°13	29° 0	14°35	23°53	25° 4	8°31	n.a.	F 26
S 27	7 24 17	23° 2'19	10♉53	0♑21	7°22	4°39	5°16	27°36	24°12	29° 0	14°37	23°51	25° 1	8°37	n.a.	S 27
S 28	7 28 14	24° 2'06	23° 6	1°49	8° 7	5°21	5°11	27°42	24°11	29° 0	14°39	23°47	24°58	8°44	n.a.	S 28
M29	7 32 10	25° 1'51	5♊37	3°19	8°52	6° 3	5° 7	27°49	24°11	28°59	14°40	23°40	24°55	8°51	n.a.	M29
T 30	7 36 7	26° 1'34	18°30	4°49	9°35	6°46	5° 3	27°56	24°10	28°59	14°42	23°32	24°51	8°57	n.a.	T 30
W31	7 40 3	27♑ 1'14	1♋45	6♑21	10♓17	7♓28	4♍58	28♐ 3	24♉ 9	28♍58	14♑43	23♓23	24♓48	9♈ 4	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23 s51	24n18	4n24	18 s42	2n38	17 s22	0 s17	17 s 5	0 s50	11n 0	1n38	23 s53	0 s 7	19n22	0n 1	2n19	2n 5	34 s47	11 s42	1 s25	1 s28	3n 5			n.a.
T 2	23 52	27 12	4 49	18 56	2 28	16 58	0 12	16 51	0 49	11 0	1 38	23 53	0 7	19 21	0 1	2 19	2 6	34 47	11 42	1 30	1 29	3 9			n.a.
W 3	23 53	28 43	5 0	19 11	2 17	16 35	0 6	16 36	0 48	11 0	1 38	23 54	0 7	19 21	0 1	2 19	2 6	34 46	11 42	1 35	1 30	3 12			n.a.
T 4	23 53	28 37	4 55	19 27	2 7	16 11	0 0	16 22	0 47	11 0	1 39	23 54	0 7	19 20	0 1	2 19	2 6	34 46	11 42	1 41	1 32	3 16			n.a.
F 5	23 53	26 48	4 33	19 44	1 56	15 47	0n 6	16 8	0 46	11 0	1 39	23 55	0 7	19 20	0 1	2 19	2 6	34 46	11 42	1 46	1 33	3 19			n.a.
S 6	23 53	23 23	3 55	20 1	1 45	15 22	0 12	15 53	0 46	11 1	1 39	23 55	0 7	19 19	0 1	2 19	2 6	34 46	11 42	1 50	1 34	3 23			n.a.
S 7	23 51	18 36	3 3	20 19	1 34	14 57	0 18	15 39	0 45	11 1	1 40	23 55	0 7	19 19	0 1	2 19	2 6	34 46	11 42	1 53	1 35	3 26			n.a.
M 8	23 50	12 48	2 0	20 38	1 24	14 33	0 24	15 24	0 44	11 2	1 40	23 56	0 7	19 18	0 1	2 19	2 6	34 45	11 42	1 54	1 37	3 30			n.a.
T 9	23 48	6 20	0 48	20 56	1 13	14 7	0 30	15 9	0 43	11 2	1 40	23 56	0 7	19 18	0 1	2 19	2 6	34 45	11 42	1 55	1 38	3 33			n.a.
W10	23 45	0 s27	0 s26	21 15	1 3	13 42	0 37	14 54	0 42	11 3	1 40	23 56	0 7	19 17	0 1	2 19	2 6	34 45	11 42	1 55	1 39	3 37			n.a.
T 11	23 42	7 13	1 39	21 34	0 52	13 17	0 43	14 39	0 41	11 3	1 41	23 57	0 7	19 17	0 1	2 19	2 6	34 45	11 42	1 55	1 40	3 40			n.a.
F 12	23 39	13 39	2 45	21 52	0 42	12 51	0 50	14 24	0 41	11 4	1 41	23 57	0 8	19 17	0 1	2 19	2 6	34 45	11 42	1 56	1 42	3 44			n.a.
S 13	23 35	19 22	3 42	22 11	0 32	12 26	0 57	14 8	0 40	11 5	1 41	23 57	0 8	19 16	0 1	2 19	2 6	34 44	11 42	1 57	1 43	3 47			n.a.
S 14	23 30	24 1	4 25	22 29	0 23	12 0	1 4	13 53	0 39	11 6	1 42	23 58	0 8	19 16	0 1	2 19	2 6	34 44	11 42	2 0	1 44	3 51			n.a.
M15	23 25	27 14	4 52	22 46	0 13	11 34	1 11	13 38	0 38	11 7	1 42	23 58	0 8	19 15	0 1	2 19	2 7	34 44	11 42	2 3	1 46	3 54			n.a.
T 16	23 20	28 47	5 1	23 3	0 4	11 8	1 18	13 22	0 37	11 8	1 42	23 58	0 8	19 15	0 1	2 19	2 7	34 44	11 42	2 8	1 47	3 58			n.a.
W17	23 14	28 32	4 53	23 20	0 s 5	10 43	1 25	13 6	0 37	11 9	1 43	23 58	0 8	19 15	0 1	2 19	2 7	34 44	11 42	2 13	1 48	4 1			n.a.
T 18	23 8	26 38	4 30	23 35	0 14	10 17	1 32	12 51	0 36	11 10	1 43	23 59	0 8	19 14	0 1	2 19	2 7	34 44	11 42	2 18	1 49	4 4			n.a.
F 19	23 1	23 20	3 52	23 50	0 22	9 51	1 40	12 35	0 35	11 11	1 43	23 59	0 8	19 14	0 1	2 19	2 7	34 43	11 42	2 22	1 51	4 8			n.a.
S 20	22 54	18 59	3 3	24 4	0 31	9 25	1 48	12 19	0 34	11 12	1 43	23 59	0 8	19 14	0 1	2 19	2 7	34 43	11 42	2 25	1 52	4 11			n.a.
S 21	22 47	13 55	2 7	24 17	0 39	8 59	1 55	12 3	0 33	11 14	1 44	23 59	0 8	19 13	0 1	2 20	2 7	34 43	11 42	2 27	1 53	4 15			n.a.
M22	22 39	8 25	1 6	24 29	0 46	8 33	2 3	11 47	0 33	11 15	1 44	24 0	0 8	19 13	0 1	2 20	2 7	34 43	11 42	2 29	1 55	4 18			n.a.
T 23	22 30	2 43	0 3	24 40	0 54	8 8	2 11	11 31	0 32	11 17	1 44	24 0	0 8	19 13	0 1	2 20	2 7	34 43	11 42	2 29	1 56	4 22			n.a.
W24	22 22	3n 2	1n 0	24 50	1 1	7 42	2 19	11 15	0 31	11 18	1 45	24 0	0 9	19 12	0 1	2 20	2 7	34 43	11 43	2 29	1 57	4 25			n.a.
T 25	22 13	8 40	2 1	24 59	1 7	7 17	2 27	10 58	0 30	11 20	1 45	24 0	0 9	19 12	0 1	2 20	2 7	34 43	11 43	2 29	1 58	4 29			n.a.
F 26	22 3	14 1	2 56	25 7	1 14	6 52	2 35	10 42	0 30	11 22	1 45	24 1	0 9	19 12	0 1	2 20	2 7	34 42	11 43	2 29	2 0	4 32			n.a.
S 27	21 53	18 54	3 44	25 13	1 20	6 26	2 44	10 26	0 29	11 23	1 45	24 1	0 9	19 12	0 1	2 21	2 7	34 42	11 43	2 29	2 1	4 36			n.a.
S 28	21 42	23 8	4 23	25 18	1 26	6 2	2 52	10 9	0 28	11 25	1 46	24 1	0 9	19 11	0 1	2 21	2 7	34 42	11 43	2 31	2 2	4 39			n.a.
M29	21 32	26 24	4 50	25 22	1 31	5 37	3 1	9 53	0 27	11 27	1 46	24 1	0 9	19 11	0 1	2 21	2 7	34 42	11 43	2 33	2 4	4 43			n.a.
T 30	21 20	28 26	5 4	25 24	1 36	5 13	3 9	9 36	0 27	11 29	1 46	24 1	0 9	19 11	0 1	2 21	2 8	34 42	11 43	2 37	2 5	4 46			n.a.
W31	21 s 9	28n55	5n 2	25 s25	1 s41	4 s48	3n18	9 s20	0 s26	11n31	1n46	24 s 2	0 s 9	19n11	0n 1	2n22	2n 8	34 s42	11 s43	2 s41	2 s 6	4n49			n.a.

Julian Day Number = 1114742.5, Delta T = 10h48m33s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'10, Lahiri = -26°52'09 Julian Calendar 1 Jan. 1661 BCE == Greg. Calendar 18 Dec. 1662 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

FEBRUARY 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 44 0	28♉ 0'52	15♋21	7♉54	10♓58	8♓10	4°R53	28♐ 9	24°R 8	28°R58	14♉45	23°R13	24♓45	9♈11	n.a.	T 1
F 2	7 47 56	29° 0'27	29°17	9°29	11°38	8°51	4♍49	28°16	24♉ 7	28♍57	14°47	23♓ 4	24°42	9°17	n.a.	F 2
S 3	7 51 53	0♒ 0'01	13♌28	11° 4	12°17	9°33	4°44	28°23	24° 7	28°56	14°48	22°57	24°39	9°24	n.a.	S 3
S 4	7 55 49	0°59'32	27°48	12°41	12°54	10°15	4°38	28°29	24° 6	28°56	14°50	22°52	24°35	9°31	n.a.	S 4
M 5	7 59 46	1°59'01	12♍13	14°19	13°30	10°57	4°33	28°36	24° 6	28°55	14°52	22°49	24°32	9°37	n.a.	M 5
T 6	8 3 43	2°58'28	26°38	15°58	14° 5	11°39	4°28	28°42	24° 5	28°54	14°53	22°D49	24°29	9°44	n.a.	T 6
W 7	8 7 39	3°57'53	10♎58	17°39	14°39	12°21	4°22	28°49	24° 5	28°54	14°55	22°50	24°26	9°51	n.a.	W 7
T 8	8 11 36	4°57'16	25°11	19°21	15°11	13° 2	4°16	28°55	24° 4	28°53	14°56	22°51	24°23	9°57	n.a.	T 8
F 9	8 15 32	5°56'38	9♏16	21° 4	15°41	13°44	4°10	29° 1	24° 4	28°52	14°58	22°R51	24°20	10° 4	n.a.	F 9
S 10	8 19 29	6°55'57	23°11	22°48	16°10	14°26	4° 4	29° 8	24° 4	28°51	15° 0	22°50	24°16	10°11	n.a.	S 10
S 11	8 23 25	7°55'15	6♐56	24°34	16°37	15° 7	3°58	29°14	24° 3	28°50	15° 1	22°47	24°13	10°17	n.a.	S 11
M12	8 27 22	8°54'31	20°30	26°21	17° 3	15°49	3°52	29°20	24° 3	28°50	15° 3	22°42	24°10	10°24	n.a.	M12
T 13	8 31 18	9°53'44	3♑53	28°10	17°26	16°30	3°46	29°26	24° 3	28°49	15° 4	22°35	24° 7	10°31	n.a.	T 13
W14	8 35 15	10°52'56	17° 2	29°59	17°48	17°12	3°39	29°32	24° 3	28°48	15° 6	22°28	24° 4	10°37	n.a.	W14
T 15	8 39 12	11°52'06	29°59	1♒51	18° 9	17°53	3°32	29°39	24°D 3	28°47	15° 7	22°20	24° 1	10°44	n.a.	T 15
F 16	8 43 8	12°51'13	12♒41	3°43	18°27	18°35	3°26	29°45	24° 3	28°46	15° 9	22°14	23°57	10°51	n.a.	F 16
S 17	8 47 5	13°50'18	25° 9	5°37	18°43	19°16	3°19	29°50	24° 3	28°45	15°10	22° 9	23°54	10°57	n.a.	S 17
S 18	8 51 1	14°49'21	7♓24	7°32	18°57	19°58	3°12	29°56	24° 3	28°44	15°12	22° 6	23°51	11° 4	n.a.	S 18
M19	8 54 58	15°48'22	19°28	9°28	19° 9	20°39	3° 5	0♑ 2	24° 4	28°43	15°13	22°D 5	23°48	11°10	n.a.	M19
T 20	8 58 54	16°47'20	1♈22	11°26	19°19	21°20	2°58	0° 8	24° 4	28°42	15°15	22° 6	23°45	11°17	n.a.	T 20
W21	9 2 51	17°46'16	13°12	13°25	19°27	22° 1	2°51	0°14	24° 4	28°41	15°16	22° 7	23°41	11°24	n.a.	W21
T 22	9 6 47	18°45'09	24°59	15°25	19°32	22°43	2°44	0°19	24° 4	28°39	15°18	22° 9	23°38	11°30	n.a.	T 22
F 23	9 10 44	19°44'00	6♉51	17°27	19°35	23°24	2°36	0°25	24° 5	28°38	15°19	22°10	23°35	11°37	n.a.	F 23
S 24	9 14 40	20°42'49	18°50	19°29	19°R36	24° 5	2°29	0°31	24° 5	28°37	15°21	22°R11	23°32	11°44	n.a.	S 24
S 25	9 18 37	21°41'35	1♊ 2	21°33	19°34	24°46	2°22	0°36	24° 6	28°36	15°22	22°11	23°29	11°50	n.a.	S 25
M26	9 22 34	22°40'19	13°33	23°37	19°30	25°27	2°14	0°41	24° 6	28°35	15°23	22° 9	23°26	11°57	n.a.	M26
T 27	9 26 30	23°39'00	26°25	25°42	19°23	26° 8	2° 7	0°47	24° 7	28°33	15°25	22° 6	23°22	12° 4	n.a.	T 27
W28	9 30 27	24°37'39	9♋42	27°47	19°13	26°49	1°59	0°52	24° 8	28°32	15°26	22° 2	23°19	12°10	n.a.	W28
T 29	9 34 23	25♒36'16	23♋24	29♒53	19♓ 2	27♓30	1♍52	0♑57	24♉ 8	28♍31	15♑27	21♓58	23♓16	12♈17	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s57	27n40	4n43	25s24	1s45	4s25	3n27	9s 3	0s25	11n33	1n47	24s 2	0s 9	19n11	0n 1	2n22	2n 8	34s42	11s43	2s45	2s 7	4n53		n.a.
F 2	20 45	24 42	4 7	25 21	1 49	4 1	3 35	8 46	0 24	11 35	1 47	24 2	0 9	19 10	0 1	2 22	2 8	34 42	11 43	2 48	2 9	4 56		n.a.
S 3	20 32	20 12	3 15	25 17	1 53	3 38	3 44	8 30	0 23	11 37	1 47	24 2	0 9	19 10	0 1	2 23	2 8	34 42	11 43	2 51	2 10	5 0		n.a.
S 4	20 19	14 30	2 10	25 12	1 56	3 15	3 53	8 13	0 23	11 39	1 47	24 2	0 9	19 10	0 1	2 23	2 8	34 41	11 44	2 53	2 11	5 3		n.a.
M 5	20 5	7 59	0 57	25 4	1 59	2 53	4 2	7 56	0 22	11 41	1 48	24 3	0 10	19 10	0 1	2 23	2 8	34 41	11 44	2 54	2 13	5 7		n.a.
T 6	19 52	1 3	0s21	24 55	2 1	2 31	4 11	7 39	0 21	11 43	1 48	24 3	0 10	19 10	0 1	2 24	2 8	34 41	11 44	2 54	2 14	5 10		n.a.
W 7	19 38	5s53	1 36	24 44	2 3	2 10	4 20	7 22	0 21	11 46	1 48	24 3	0 10	19 10	0 1	2 24	2 8	34 41	11 44	2 54	2 15	5 14		n.a.
T 8	19 23	12 29	2 46	24 31	2 4	1 49	4 30	7 5	0 20	11 48	1 48	24 3	0 10	19 10	0 1	2 24	2 8	34 41	11 44	2 53	2 16	5 17		n.a.
F 9	19 8	18 23	3 44	24 16	2 5	1 29	4 39	6 48	0 19	11 50	1 48	24 3	0 10	19 10	0 1	2 25	2 8	34 41	11 44	2 53	2 18	5 20		n.a.
S 10	18 53	23 14	4 29	23 59	2 6	1 9	4 48	6 31	0 18	11 53	1 49	24 3	0 10	19 10	0 1	2 25	2 8	34 41	11 44	2 54	2 19	5 24		n.a.
S 11	18 38	26 45	4 57	23 41	2 6	0 50	4 57	6 14	0 18	11 55	1 49	24 3	0 10	19 10	0 1	2 25	2 8	34 41	11 45	2 55	2 20	5 27		n.a.
M12	18 22	28 40	5 8	23 20	2 6	0 31	5 6	5 57	0 17	11 58	1 49	24 4	0 10	19 10	0 1	2 26	2 8	34 41	11 45	2 57	2 22	5 31		n.a.
T 13	18 6	28 53	5 3	22 57	2 5	0 13	5 15	5 40	0 16	12 0	1 49	24 4	0 10	19 10	0 1	2 26	2 8	34 41	11 45	3 0	2 23	5 34		n.a.
W14	17 50	27 26	4 41	22 33	2 4	0n 4	5 25	5 23	0 15	12 3	1 49	24 4	0 10	19 10	0 1	2 27	2 9	34 41	11 45	3 3	2 24	5 38		n.a.
T 15	17 33	24 31	4 5	22 6	2 2	0 20	5 34	5 6	0 15	12 5	1 49	24 4	0 10	19 10	0 1	2 27	2 9	34 41	11 45	3 6	2 25	5 41		n.a.
F 16	17 16	20 28	3 18	21 37	1 59	0 35	5 43	4 49	0 14	12 8	1 50	24 4	0 11	19 10	0 1	2 28	2 9	34 41	11 45	3 8	2 27	5 45		n.a.
S 17	16 59	15 36	2 21	21 6	1 56	0 50	5 52	4 32	0 13	12 11	1 50	24 4	0 11	19 10	0 1	2 28	2 9	34 41	11 46	3 10	2 28	5 48		n.a.
S 18	16 42	10 10	1 19	20 33	1 53	1 4	6 1	4 14	0 13	12 13	1 50	24 4	0 11	19 10	0 1	2 29	2 9	34 41	11 46	3 11	2 29	5 51		n.a.
M19	16 24	4 28	0 14	19 58	1 49	1 17	6 9	3 57	0 12	12 16	1 50	24 4	0 11	19 10	0 1	2 29	2 9	34 41	11 46	3 12	2 30	5 55		n.a.
T 20	16 6	1n20	0n51	19 20	1 44	1 28	6 18	3 40	0 11	12 19	1 50	24 4	0 11	19 10	0 1	2 30	2 9	34 41	11 46	3 12	2 32	5 58		n.a.
W21	15 48	7 2	1 53	18 41	1 39	1 39	6 27	3 23	0 10	12 22	1 50	24 4	0 11	19 10	0 1	2 30	2 9	34 41	11 46	3 11	2 33	6 2		n.a.
T 22	15 29	12 29	2 50	18 0	1 33	1 49	6 35	3 6	0 10	12 24	1 50	24 5	0 11	19 10	0 1	2 31	2 9	34 41	11 46	3 10	2 34	6 5		n.a.
F 23	15 10	17 31	3 41	17 16	1 27	1 58	6 43	2 49	0 9	12 27	1 51	24 5	0 11	19 10	0 1	2 31	2 9	34 41	11 47	3 10	2 36	6 9		n.a.
S 24	14 52	21 56	4 22	16 31	1 20	2 5	6 51	2 31	0 8	12 30	1 51	24 5	0 11	19 10	0 1	2 32	2 9	34 41	11 47	3 9	2 37	6 12		n.a.
S 25	14 32	25 31	4 53	15 44	1 13	2 11	6 58	2 14	0 8	12 33	1 51	24 5	0 11	19 10	0 1	2 32	2 9	34 41	11 47	3 10	2 38	6 15		n.a.
M26	14 13	27 59	5 10	14 55	1 5	2 16	7 5	1 57	0 7	12 36	1 51	24 5	0 11	19 10	0 1	2 33	2 9	34 41	11 47	3 10	2 39	6 19		n.a.
T 27	13 53	29 3	5 13	14 4	0 56	2 20	7 12	1 40	0 6	12 38	1 51	24 5	0 12	19 11	0 1	2 33	2 9	34 41	11 48	3 11	2 41	6 22		n.a.
W28	13 34	28 30	4 59	13 12	0 47	2 22	7 19	1 23	0 6	12 41	1 51	24 5	0 12	19 11	0 1	2 34	2 9	34 41	11 48	3 13	2 42	6 26		n.a.
T 29	13s14	26n13	4n28	12s18	0s37	2n23	7n25	1s 5	0s 5	12n44	1n51	24s 5	0s12	19n11	0n 1	2n34	2n 9	34s41	11s48	3s15	2s43	6n29		n.a.

Julian Day Number = 1114773.5, Delta T = 10h48m31s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'06, Lahiri = -26°52'05 Julian Calendar 1 Feb. 1661 BCE == Greg. Calendar 18 Jan. 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

MARCH 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 38 20	26♒34'51	7♌31	1♓59	18°R47	28♓11	1°R44	1♋ 3	24♉ 9	28°R30	15♋29	21°R54	23♓13	12♈24	n.a.	F 1
S 2	9 42 16	27°33'23	21°58	4° 4	18♓31	28°52	1♍36	1° 8	24°10	28♍28	15°30	21♓52	23°10	12°30	n.a.	S 2
S 3	9 46 13	28°31'53	6♍40	6° 9	18°12	29°32	1°29	1°13	24°11	28°27	15°31	21°50	23° 6	12°37	n.a.	S 3
M 4	9 50 9	29°30'21	21°30	8°13	17°50	0♈13	1°21	1°18	24°12	28°26	15°33	21°D49	23° 3	12°44	n.a.	M 4
T 5	9 54 6	0♓28'47	6♎20	10°17	17°26	0°54	1°14	1°23	24°13	28°24	15°34	21°50	23° 0	12°50	n.a.	T 5
W 6	9 58 2	1°27'11	21° 4	12°18	17° 0	1°35	1° 6	1°27	24°14	28°23	15°35	21°51	22°57	12°57	n.a.	W 6
T 7	10 1 59	2°25'34	5♏35	14°18	16°32	2°15	0°58	1°32	24°15	28°21	15°36	21°52	22°54	13° 4	n.a.	T 7
F 8	10 5 56	3°23'55	19°51	16°16	16° 3	2°56	0°50	1°37	24°16	28°20	15°38	21°53	22°51	13°10	n.a.	F 8
S 9	10 9 52	4°22'14	3♐49	18°11	15°31	3°37	0°43	1°41	24°17	28°19	15°39	21°R53	22°47	13°17	n.a.	S 9
S 10	10 13 49	5°20'32	17°28	20° 4	14°58	4°17	0°35	1°46	24°19	28°17	15°40	21°53	22°44	13°24	n.a.	S 10
M11	10 17 45	6°18'47	0♑50	21°54	14°23	4°58	0°28	1°50	24°20	28°16	15°41	21°52	22°41	13°30	n.a.	M11
T 12	10 21 42	7°17'02	13°55	23°40	13°48	5°38	0°20	1°55	24°21	28°14	15°42	21°50	22°38	13°37	n.a.	T 12
W13	10 25 38	8°15'14	26°45	25°23	13°11	6°19	0°12	1°59	24°23	28°13	15°44	21°48	22°35	13°44	n.a.	W13
T 14	10 29 35	9°13'25	9♒20	27° 2	12°34	6°59	0° 5	2° 3	24°24	28°11	15°45	21°47	22°32	13°50	n.a.	T 14
F 15	10 33 31	10°11'34	21°43	28°37	11°56	7°40	29♌57	2° 8	24°26	28°10	15°46	21°45	22°28	13°57	n.a.	F 15
S 16	10 37 28	11° 9'41	3♓56	0♈ 9	11°18	8°20	29°50	2°12	24°27	28° 8	15°47	21°44	22°25	14° 4	n.a.	S 16
S 17	10 41 24	12° 7'46	15°59	1°36	10°40	9° 0	29°43	2°16	24°29	28° 7	15°48	21°D43	22°22	14°10	n.a.	S 17
M18	10 45 21	13° 5'50	27°55	2°59	10° 2	9°41	29°35	2°20	24°30	28° 5	15°49	21°43	22°19	14°17	n.a.	M18
T 19	10 49 18	14° 3'51	9♈46	4°17	9°24	10°21	29°28	2°23	24°32	28° 4	15°50	21°44	22°16	14°23	n.a.	T 19
W20	10 53 14	15° 1'51	21°34	5°31	8°48	11° 1	29°21	2°27	24°34	28° 2	15°51	21°45	22°12	14°30	n.a.	W20
T 21	10 57 11	15°59'48	3♉22	6°40	8°12	11°41	29°14	2°31	24°36	28° 0	15°52	21°45	22° 9	14°37	n.a.	T 21
F 22	11 1 7	16°57'44	15°14	7°45	7°38	12°21	29° 7	2°34	24°37	27°59	15°53	21°46	22° 6	14°43	n.a.	F 22
S 23	11 5 4	17°55'38	27°14	8°45	7° 4	13° 2	29° 0	2°38	24°39	27°57	15°54	21°46	22° 3	14°50	n.a.	S 23
S 24	11 9 0	18°53'30	9♊25	9°41	6°33	13°42	28°53	2°41	24°41	27°56	15°55	21°46	22° 0	14°57	n.a.	S 24
M25	11 12 57	19°51'20	21°53	10°31	6° 3	14°22	28°46	2°45	24°43	27°54	15°56	21°R46	21°57	15° 3	n.a.	M25
T 26	11 16 53	20°49'08	4♋42	11°17	5°35	15° 2	28°39	2°48	24°45	27°52	15°56	21°46	21°53	15°10	n.a.	T 26
W27	11 20 50	21°46'55	17°54	11°58	5° 9	15°42	28°33	2°51	24°47	27°51	15°57	21°D46	21°50	15°17	n.a.	W27
T 28	11 24 47	22°44'39	1♌32	12°34	4°45	16°22	28°26	2°54	24°49	27°49	15°58	21°46	21°47	15°23	n.a.	T 28
F 29	11 28 43	23°42'22	15°37	13° 4	4°23	17° 2	28°20	2°57	24°51	27°48	15°59	21°47	21°44	15°30	n.a.	F 29
S 30	11 32 40	24°40'02	0♍ 7	13°30	4° 4	17°42	28°14	3° 0	24°54	27°46	16° 0	21°47	21°41	15°37	n.a.	S 30
S 31	11 36 36	25♓37'41	14♍57	13♈51	3♓47	18♈22	28♌ 7	3♋ 3	24♉56	27♍44	16♋ 0	21°R47	21♓38	15♈43	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s53	22n16	3n40	11s24	0s27	2n22	7n30	0s48	0s 4	12n47	1n51	24s 5	0s12	19n11	0n 1	2n35	2n 9	34s41	11s48	3s16	2s45	6n33		n.a.
S 2	12 33	16 55	2 37	10 28	0 17	2 20	7 35	0 31	0 4	12 50	1 51	24 5	0 12	19 11	0 1	2 35	2 9	34 41	11 48	3 17	2 46	6 36		n.a.
S 3	12 12	10 30	1 23	9 31	0 6	2 16	7 39	0 14	0 3	12 53	1 51	24 5	0 12	19 12	0 1	2 36	2 9	34 41	11 49	3 18	2 47	6 39		n.a.
M 4	11 52	3 28	0 2	8 34	0n 5	2 11	7 43	0n 3	0 2	12 55	1 51	24 5	0 12	19 12	0 1	2 37	2 9	34 41	11 49	3 18	2 48	6 43		n.a.
T 5	11 31	3s46	1s19	7 37	0 16	2 5	7 46	0 20	0 2	12 58	1 51	24 5	0 12	19 12	0 1	2 37	2 9	34 41	11 49	3 18	2 50	6 46		n.a.
W 6	11 10	10 45	2 34	6 39	0 27	1 57	7 49	0 37	0 1	13 1	1 51	24 5	0 12	19 12	0 1	2 38	2 9	34 42	11 49	3 18	2 51	6 50		n.a.
T 7	10 48	17 3	3 39	5 42	0 39	1 48	7 50	0 54	0 0	13 4	1 51	24 5	0 12	19 13	0 1	2 38	2 10	34 42	11 50	3 17	2 52	6 53		n.a.
F 8	10 27	22 19	4 28	4 45	0 50	1 37	7 51	1 11	0n 0	13 7	1 51	24 5	0 13	19 13	0 1	2 39	2 10	34 42	11 50	3 17	2 54	6 56		n.a.
S 9	10 5	26 13	5 0	3 49	1 2	1 25	7 51	1 29	0 1	13 9	1 51	24 5	0 13	19 13	0 1	2 40	2 10	34 42	11 50	3 16	2 55	7 0		n.a.
S 10	9 44	28 31	5 15	2 54	1 13	1 11	7 51	1 45	0 2	13 12	1 51	24 5	0 13	19 14	0 1	2 40	2 10	34 42	11 50	3 17	2 56	7 3		n.a.
M11	9 22	29 5	5 12	2 0	1 24	0 57	7 49	2 2	0 2	13 15	1 51	24 6	0 13	19 14	0 1	2 41	2 10	34 42	11 51	3 17	2 57	7 7		n.a.
T 12	9 0	28 0	4 53	1 7	1 34	0 41	7 47	2 19	0 3	13 18	1 51	24 6	0 13	19 14	0 1	2 41	2 10	34 42	11 51	3 18	2 59	7 10		n.a.
W13	8 38	25 26	4 19	0 17	1 45	0 23	7 44	2 36	0 3	13 20	1 51	24 6	0 13	19 15	0 1	2 42	2 10	34 42	11 51	3 18	3 0	7 13		n.a.
T 14	8 16	21 41	3 34	0n32	1 54	0 5	7 39	2 53	0 4	13 23	1 51	24 6	0 13	19 15	0 1	2 43	2 10	34 42	11 52	3 19	3 1	7 17		n.a.
F 15	7 53	17 2	2 39	1 20	2 4	0s14	7 34	3 10	0 5	13 26	1 51	24 6	0 13	19 15	0 1	2 43	2 10	34 43	11 52	3 20	3 2	7 20		n.a.
S 16	7 31	11 45	1 37	2 4	2 12	0 34	7 29	3 27	0 5	13 28	1 51	24 6	0 13	19 16	0 1	2 44	2 10	34 43	11 52	3 20	3 4	7 24		n.a.
S 17	7 8	6 7	0 32	2 47	2 20	0 54	7 22	3 44	0 6	13 31	1 51	24 6	0 13	19 16	0 2	2 45	2 10	34 43	11 52	3 20	3 5	7 27		n.a.
M18	6 46	0 19	0n34	3 27	2 28	1 15	7 15	4 0	0 7	13 33	1 51	24 6	0 14	19 17	0 2	2 45	2 10	34 43	11 53	3 20	3 6	7 30		n.a.
T 19	6 23	5n26	1 38	4 5	2 34	1 37	7 6	4 17	0 7	13 36	1 51	24 6	0 14	19 17	0 2	2 46	2 10	34 43	11 53	3 20	3 8	7 34		n.a.
W20	6 0	11 0	2 38	4 41	2 40	1 59	6 57	4 34	0 8	13 38	1 51	24 6	0 14	19 18	0 2	2 47	2 10	34 43	11 53	3 20	3 9	7 37		n.a.
T 21	5 37	16 10	3 31	5 13	2 45	2 21	6 48	4 50	0 8	13 41	1 51	24 6	0 14	19 18	0 2	2 47	2 10	34 43	11 54	3 20	3 10	7 40		n.a.
F 22	5 15	20 46	4 15	5 43	2 50	2 44	6 38	5 7	0 9	13 43	1 50	24 6	0 14	19 18	0 2	2 48	2 10	34 44	11 54	3 20	3 11	7 44		n.a.
S 23	4 52	24 35	4 49	6 11	2 53	3 6	6 27	5 23	0 10	13 46	1 50	24 6	0 14	19 19	0 2	2 49	2 10	34 44	11 54	3 19	3 13	7 47		n.a.
S 24	4 29	27 23	5 10	6 35	2 55	3 28	6 15	5 40	0 10	13 48	1 50	24 6	0 14	19 19	0 2	2 49	2 10	34 44	11 54	3 19	3 14	7 51		n.a.
M25	4 5	28 55	5 18	6 57	2 57	3 50	6 4	5 56	0 11	13 50	1 50	24 6	0 14	19 20	0 2	2 50	2 10	34 44	11 55	3 19	3 15	7 54		n.a.
T 26	3 42	28 58	5 10	7 15	2 57	4 12	5 51	6 12	0 11	13 53	1 50	24 6	0 14	19 20	0 2	2 51	2 10	34 44	11 55	3 19	3 17	7 57		n.a.
W27	3 19	27 23	4 45	7 31	2 57	4 33	5 39	6 29	0 12	13 55	1 50	24 6	0 15	19 21	0 2	2 51	2 10	34 45	11 55	3 19	3 18	8 1		n.a.
T 28	2 56	24 9	4 4	7 44	2 55	4 54	5 26	6 45	0 13	13 57	1 50	24 6	0 15	19 21	0 2	2 52	2 10	34 45	11 56	3 19	3 19	8 4		n.a.
F 29	2 33	19 26	3 8	7 54	2 52	5 14	5 13	7 1	0 13	13 59	1 50	24 6	0 15	19 22	0 2	2 52	2 10	34 45	11 56	3 19	3 20	8 7		n.a.
S 30	2 9	13 28	1 57	8 0	2 49	5 33	5 0	7 17	0 14	14 1	1 49	24 6	0 15	19 23	0 2	2 53	2 10	34 45	11 56	3 19	3 22	8 11		n.a.
S 31	1s46	6n37	0n38	8n 4	2n44	5s52	4n46	7n33	0n14	14n 3	1n49	24s 6	0s15	19n23	0n 2	2n54	2n10	34s45	11s57	3s19	3s23	8n14		n.a.

Julian Day Number = 1114802.5, Delta T = 10h48m29s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°59'02, Lahiri = -26°52'01 Julian Calendar 1 March 1661 BCE == Greg. Calendar 16 Feb. 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

APRIL 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 40 33	26♓35'19	0♎ 1	14♈ 6	3°R32	19♈ 1	28°R 1	3♉ 5	24♉58	27°R43	16♉ 1	21°R47	21♓34	15♈50	n.a.	M 1
T 2	11 44 29	27°32'55	15°10	14°16	3♓20	19°41	27♌55	3° 8	25° 0	27♍41	16° 2	21♓47	21°31	15°57	n.a.	T 2
W 3	11 48 26	28°30'29	0♏14	14°22	3°10	20°21	27°50	3°11	25° 3	27°39	16° 3	21°46	21°28	16° 3	n.a.	W 3
T 4	11 52 22	29°28'03	15° 6	14°R23	3° 3	21° 1	27°44	3°13	25° 5	27°38	16° 3	21°45	21°25	16°10	n.a.	T 4
F 5	11 56 19	0♈25'35	29°38	14°18	2°58	21°40	27°39	3°15	25° 8	27°36	16° 4	21°44	21°22	16°17	n.a.	F 5
S 6	12 0 16	1°23'06	13♐47	14°10	2°55	22°20	27°33	3°18	25°10	27°35	16° 4	21°44	21°18	16°23	n.a.	S 6
S 7	12 4 12	2°20'37	27°31	13°57	2°D55	23° 0	27°28	3°20	25°13	27°33	16° 5	21°D43	21°15	16°30	n.a.	S 7
M 8	12 8 9	3°18'06	10♑51	13°40	2°57	23°39	27°23	3°22	25°15	27°31	16° 6	21°43	21°12	16°37	n.a.	M 8
T 9	12 12 5	4°15'34	23°48	13°19	3° 2	24°19	27°18	3°24	25°18	27°30	16° 6	21°44	21° 9	16°43	n.a.	T 9
W10	12 16 2	5°13'01	6♒26	12°54	3° 9	24°59	27°13	3°26	25°20	27°28	16° 7	21°45	21° 6	16°50	n.a.	W10
T 11	12 19 58	6°10'28	18°48	12°27	3°18	25°38	27° 8	3°27	25°23	27°27	16° 7	21°46	21° 3	16°57	n.a.	T 11
F 12	12 23 55	7° 7'53	0♓58	11°58	3°29	26°18	27° 4	3°29	25°26	27°25	16° 8	21°47	20°59	17° 3	n.a.	F 12
S 13	12 27 51	8° 5'17	12°58	11°26	3°42	26°57	27° 0	3°31	25°28	27°23	16° 8	21°48	20°56	17°10	n.a.	S 13
S 14	12 31 48	9° 2'40	24°52	10°53	3°57	27°37	26°55	3°32	25°31	27°22	16° 9	21°R48	20°53	17°17	n.a.	S 14
M15	12 35 45	10° 0'02	6♈42	10°19	4°14	28°16	26°51	3°34	25°34	27°20	16° 9	21°48	20°50	17°23	n.a.	M15
T 16	12 39 41	10°57'23	18°30	9°45	4°33	28°56	26°48	3°35	25°37	27°19	16° 9	21°46	20°47	17°30	n.a.	T 16
W17	12 43 38	11°54'43	0♉18	9°12	4°54	29°35	26°44	3°36	25°39	27°17	16°10	21°43	20°43	17°37	n.a.	W17
T 18	12 47 34	12°52'02	12°10	8°39	5°16	0♉14	26°40	3°37	25°42	27°16	16°10	21°40	20°40	17°43	n.a.	T 18
F 19	12 51 31	13°49'19	24° 6	8° 8	5°40	0°54	26°37	3°38	25°45	27°14	16°10	21°37	20°37	17°50	n.a.	F 19
S 20	12 55 27	14°46'36	6♊ 9	7°39	6° 6	1°33	26°34	3°39	25°48	27°12	16°11	21°33	20°34	17°57	n.a.	S 20
S 21	12 59 24	15°43'52	18°24	7°12	6°33	2°12	26°31	3°40	25°51	27°11	16°11	21°30	20°31	18° 3	n.a.	S 21
M22	13 3 20	16°41'06	0♋52	6°48	7° 2	2°52	26°28	3°40	25°54	27° 9	16°11	21°28	20°28	18°10	n.a.	M22
T 23	13 7 17	17°38'20	13°38	6°27	7°33	3°31	26°25	3°41	25°57	27° 8	16°11	21°D27	20°24	18°17	n.a.	T 23
W24	13 11 14	18°35'32	26°45	6°10	8° 4	4°10	26°23	3°42	26° 0	27° 6	16°11	21°28	20°21	18°23	n.a.	W24
T 25	13 15 10	19°32'43	10♌15	5°57	8°37	4°49	26°21	3°42	26° 3	27° 5	16°12	21°29	20°18	18°30	n.a.	T 25
F 26	13 19 7	20°29'53	24°10	5°48	9°12	5°29	26°18	3°42	26° 6	27° 3	16°12	21°30	20°15	18°37	n.a.	F 26
S 27	13 23 3	21°27'02	8♍32	5°44	9°47	6° 8	26°16	3°42	26°10	27° 2	16°12	21°31	20°12	18°43	n.a.	S 27
S 28	13 27 0	22°24'11	23°16	5°D43	10°24	6°47	26°15	3°R43	26°13	27° 1	16°12	21°R32	20° 9	18°50	n.a.	S 28
M29	13 30 56	23°21'18	8♎19	5°48	11° 2	7°26	26°13	3°43	26°16	26°59	16°12	21°31	20° 5	18°57	n.a.	M29
T 30	13 34 53	24♈18'25	23♎32	5♈56	11♓41	8♉ 5	26♌12	3♉42	26♉19	26♍58	16♉12	21♓28	20♓ 2	19♈ 3	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1s23	0s42	0s46	8n 5	2n38	6s10	4n33	7n49	0n15	14n 5	1n49	24s 6	0s15	19n24	0n 2	2n54	2n10	34s46	11s57	3s19	3s24	8n18		n.a.
T 2	1 0	8 1	2 6	8 2	2 31	6 27	4 19	8 5	0 16	14 7	1 49	24 6	0 15	19 24	0 2	2 55	2 10	34 46	11 57	3 19	3 25	8 21		n.a.
W 3	0 36	14 50	3 18	7 57	2 22	6 43	4 6	8 21	0 16	14 9	1 49	24 6	0 15	19 25	0 2	2 56	2 10	34 46	11 58	3 19	3 27	8 24		n.a.
T 4	0 13	20 43	4 15	7 48	2 13	6 58	3 53	8 36	0 17	14 11	1 48	24 6	0 15	19 25	0 2	2 56	2 10	34 46	11 58	3 20	3 28	8 28		n.a.
F 5	0n10	25 14	4 54	7 37	2 2	7 12	3 39	8 52	0 17	14 12	1 48	24 7	0 16	19 26	0 2	2 57	2 10	34 47	11 58	3 20	3 29	8 31		n.a.
S 6	0 34	28 5	5 14	7 23	1 51	7 26	3 26	9 8	0 18	14 14	1 48	24 7	0 16	19 27	0 2	2 58	2 10	34 47	11 59	3 20	3 31	8 34		n.a.
S 7	0 57	29 7	5 15	7 6	1 38	7 38	3 13	9 23	0 18	14 16	1 48	24 7	0 16	19 27	0 2	2 58	2 10	34 47	11 59	3 21	3 32	8 38		n.a.
M 8	1 20	28 25	5 0	6 47	1 25	7 49	3 0	9 39	0 19	14 17	1 48	24 7	0 16	19 28	0 2	2 59	2 10	34 47	11 59	3 21	3 33	8 41		n.a.
T 9	1 43	26 10	4 29	6 26	1 10	7 59	2 47	9 54	0 19	14 19	1 47	24 7	0 16	19 28	0 2	3 0	2 10	34 48	12 0	3 20	3 34	8 44		n.a.
W10	2 7	22 39	3 46	6 2	0 55	8 8	2 35	10 9	0 20	14 20	1 47	24 7	0 16	19 29	0 2	3 0	2 10	34 48	12 0	3 20	3 36	8 48		n.a.
T 11	2 30	18 12	2 53	5 37	0 39	8 17	2 23	10 25	0 21	14 22	1 47	24 7	0 16	19 30	0 2	3 1	2 10	34 48	12 0	3 19	3 37	8 51		n.a.
F 12	2 53	13 5	1 53	5 10	0 23	8 24	2 10	10 40	0 21	14 23	1 47	24 7	0 16	19 30	0 2	3 2	2 10	34 48	12 1	3 19	3 38	8 54		n.a.
S 13	3 16	7 33	0 49	4 42	0 6	8 30	1 59	10 55	0 22	14 25	1 47	24 7	0 16	19 31	0 2	3 2	2 10	34 49	12 1	3 19	3 39	8 58		n.a.
S 14	3 39	1 49	0n17	4 14	0s10	8 35	1 47	11 10	0 22	14 26	1 46	24 7	0 17	19 32	0 2	3 3	2 10	34 49	12 1	3 19	3 41	9 1		n.a.
M15	4 2	3n57	1 21	3 45	0 27	8 39	1 36	11 25	0 23	14 27	1 46	24 7	0 17	19 32	0 2	3 4	2 10	34 49	12 2	3 19	3 42	9 4		n.a.
T 16	4 25	9 34	2 22	3 15	0 44	8 43	1 25	11 40	0 23	14 28	1 46	24 7	0 17	19 33	0 2	3 4	2 10	34 49	12 2	3 20	3 43	9 8		n.a.
W17	4 48	14 51	3 17	2 47	1 1	8 45	1 14	11 54	0 24	14 29	1 46	24 7	0 17	19 34	0 2	3 5	2 10	34 50	12 2	3 21	3 45	9 11		n.a.
T 18	5 10	19 37	4 3	2 19	1 17	8 46	1 3	12 9	0 24	14 30	1 45	24 7	0 17	19 35	0 2	3 5	2 10	34 50	12 3	3 22	3 46	9 14		n.a.
F 19	5 33	23 39	4 39	1 52	1 33	8 47	0 53	12 23	0 25	14 31	1 45	24 8	0 17	19 35	0 2	3 6	2 10	34 50	12 3	3 23	3 47	9 18		n.a.
S 20	5 56	26 43	5 3	1 26	1 48	8 47	0 43	12 38	0 25	14 32	1 45	24 8	0 17	19 36	0 2	3 7	2 10	34 51	12 3	3 25	3 48	9 21		n.a.
S 21	6 18	28 35	5 14	1 2	2 3	8 45	0 33	12 52	0 26	14 33	1 45	24 8	0 17	19 37	0 2	3 7	2 10	34 51	12 4	3 26	3 50	9 24		n.a.
M22	6 41	29 3	5 10	0 40	2 16	8 43	0 24	13 6	0 26	14 33	1 44	24 8	0 18	19 37	0 2	3 8	2 10	34 51	12 4	3 27	3 51	9 28		n.a.
T 23	7 3	28 0	4 51	0 20	2 29	8 40	0 15	13 21	0 27	14 34	1 44	24 8	0 18	19 38	0 2	3 8	2 10	34 52	12 4	3 27	3 52	9 31		n.a.
W24	7 25	25 24	4 17	0 3	2 41	8 36	0 6	13 35	0 27	14 35	1 44	24 8	0 18	19 39	0 2	3 9	2 10	34 52	12 5	3 27	3 53	9 34		n.a.
T 25	7 47	21 20	3 27	0s12	2 51	8 32	0s 3	13 49	0 28	14 35	1 43	24 8	0 18	19 40	0 2	3 10	2 10	34 52	12 5	3 26	3 55	9 38		n.a.
F 26	8 9	15 59	2 24	0 24	3 1	8 26	0 11	14 2	0 28	14 36	1 43	24 8	0 18	19 40	0 2	3 10	2 10	34 53	12 5	3 26	3 56	9 41		n.a.
S 27	8 31	9 37	1 11	0 34	3 9	8 20	0 19	14 16	0 29	14 36	1 43	24 8	0 18	19 41	0 2	3 11	2 10	34 53	12 6	3 25	3 57	9 44		n.a.
S 28	8 53	2 34	0s10	0 41	3 16	8 13	0 27	14 30	0 29	14 37	1 43	24 8	0 18	19 42	0 2	3 11	2 10	34 53	12 6	3 25	3 59	9 48		n.a.
M29	9 14	4s44	1 31	0 45	3 22	8 6	0 35	14 43	0 30	14 37	1 42	24 9	0 18	19 43	0 2	3 12	2 10	34 53	12 6	3 26	4 0	9 51		n.a.
T 30	9n36	11s52	2s46	0s46	3s27	7s57	0s42	14n57	0n30	14n37	1n42	24s 9	0s18	19n44	0n 2	3n12	2n10	34s54	12s 7	3s27	4s 1	9n54		n.a.

Julian Day Number = 1114833.5, Delta T = 10h48m28s
Ecliptic obliquity = 23°53'28, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'57, Lahiri = -26°51'57 Julian Calendar 1 Apr. 1661 BCE == Greg. Calendar 18 March 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

MAY 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 38 49	25♈15'31	8♏45	6♈10	12♓21	8♉44	26°R10	3°R42	26♉22	26°R56	16°R12	21°R25	19♓59	19♈10	n.a.	W 1
T 2	13 42 46	26°12'36	23°49	6°28	13° 2	9°23	26♌ 9	3♋42	26°26	26♍55	16♋12	21♓20	19°56	19°17	n.a.	T 2
F 3	13 46 43	27° 9'42	8♐35	6°50	13°45	10° 2	26° 8	3°42	26°29	26°54	16°12	21°15	19°53	19°23	n.a.	F 3
S 4	13 50 39	28° 6'47	22°55	7°17	14°28	10°41	26° 8	3°41	26°32	26°52	16°12	21°10	19°49	19°30	n.a.	S 4
S 5	13 54 36	29° 3'52	6♋48	7°48	15°12	11°20	26° 7	3°40	26°35	26°51	16°12	21° 7	19°46	19°37	n.a.	S 5
M 6	13 58 32	0♉ 0'57	20°12	8°24	15°57	11°59	26° 7	3°40	26°39	26°50	16°12	21° 5	19°43	19°43	n.a.	M 6
T 7	14 2 29	0°58'01	3♒ 9	9° 4	16°43	12°38	26°D 7	3°39	26°42	26°48	16°12	21°D 5	19°40	19°50	n.a.	T 7
W 8	14 6 25	1°55'06	15°44	9°48	17°29	13°17	26° 7	3°38	26°46	26°47	16°11	21° 5	19°37	19°57	n.a.	W 8
T 9	14 10 22	2°52'10	28° 1	10°36	18°17	13°56	26° 7	3°37	26°49	26°46	16°11	21° 7	19°34	20° 3	n.a.	T 9
F 10	14 14 19	3°49'14	10♓ 4	11°28	19° 5	14°35	26° 7	3°36	26°52	26°45	16°11	21° 8	19°30	20°10	n.a.	F 10
S 11	14 18 15	4°46'19	21°57	12°25	19°54	15°14	26° 8	3°35	26°56	26°43	16°11	21°R 9	19°27	20°17	n.a.	S 11
S 12	14 22 12	5°43'23	3♈46	13°25	20°44	15°52	26° 9	3°34	26°59	26°42	16°11	21° 8	19°24	20°23	n.a.	S 12
M13	14 26 8	6°40'27	15°33	14°29	21°34	16°31	26° 9	3°32	27° 3	26°41	16°10	21° 5	19°21	20°30	n.a.	M13
T 14	14 30 5	7°37'31	27°22	15°37	22°25	17°10	26°11	3°31	27° 6	26°40	16°10	21° 0	19°18	20°37	n.a.	T 14
W15	14 34 1	8°34'36	9♉14	16°48	23°16	17°49	26°12	3°29	27°10	26°39	16°10	20°53	19°15	20°43	n.a.	W15
T 16	14 37 58	9°31'40	21°11	18° 4	24° 9	18°28	26°13	3°28	27°13	26°38	16° 9	20°45	19°11	20°50	n.a.	T 16
F 17	14 41 54	10°28'44	3♊16	19°23	25° 1	19° 6	26°15	3°26	27°17	26°37	16° 9	20°36	19° 8	20°57	n.a.	F 17
S 18	14 45 51	11°25'48	15°29	20°45	25°55	19°45	26°17	3°24	27°20	26°36	16° 9	20°27	19° 5	21° 3	n.a.	S 18
S 19	14 49 48	12°22'52	27°52	22°12	26°49	20°24	26°19	3°22	27°24	26°35	16° 8	20°18	19° 2	21°10	n.a.	S 19
M20	14 53 44	13°19'56	10♋27	23°41	27°43	21° 3	26°21	3°20	27°27	26°34	16° 8	20°12	18°59	21°17	n.a.	M20
T 21	14 57 41	14°16'59	23°16	25°14	28°38	21°41	26°23	3°18	27°31	26°33	16° 7	20° 8	18°55	21°23	n.a.	T 21
W22	15 1 37	15°14'03	6♌21	26°51	29°33	22°20	26°26	3°16	27°35	26°32	16° 7	20° 6	18°52	21°30	n.a.	W22
T 23	15 5 34	16°11'06	19°46	28°31	0♈29	22°59	26°28	3°14	27°38	26°31	16° 6	20°D 6	18°49	21°37	n.a.	T 23
F 24	15 9 30	17° 8'10	3♍32	0♉14	1°26	23°37	26°31	3°11	27°42	26°30	16° 6	20° 6	18°46	21°43	n.a.	F 24
S 25	15 13 27	18° 5'13	17°41	2° 0	2°22	24°16	26°34	3° 9	27°45	26°29	16° 5	20°R 7	18°43	21°50	n.a.	S 25
S 26	15 17 24	19° 2'16	2♎11	3°50	3°19	24°54	26°37	3° 6	27°49	26°28	16° 5	20° 6	18°40	21°57	n.a.	S 26
M27	15 21 20	19°59'19	17° 0	5°42	4°17	25°33	26°41	3° 4	27°53	26°27	16° 4	20° 4	18°36	22° 3	n.a.	M27
T 28	15 25 17	20°56'22	2♏ 2	7°37	5°15	26°12	26°44	3° 1	27°56	26°27	16° 3	19°59	18°33	22°10	n.a.	T 28
W29	15 29 13	21°53'26	17° 9	9°34	6°13	26°50	26°48	2°58	28° 0	26°26	16° 3	19°52	18°30	22°17	n.a.	W29
T 30	15 33 10	22°50'30	2♐11	11°34	7°12	27°29	26°52	2°55	28° 4	26°25	16° 2	19°43	18°27	22°23	n.a.	T 30
F 31	15 37 6	23♉47'35	16♐59	13♉36	8♈11	28♉ 7	26♌56	2♋52	28♉ 7	26♍24	16♋ 1	19♓34	18♓24	22♈30	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	9n57	18s18	3s50	0s44	3s31	7s48	0s49	15n10	0n31	14n37	1n42	24s 9	0s19	19n44	0n 2	3n13	2n10	34s54	12s 7	3s28	4s 2	9n57			n.a.
T 2	10 18	23 32	4 36	0 39	3 34	7 39	0 56	15 23	0 31	14 37	1 41	24 9	0 19	19 45	0 2	3 13	2 10	34 55	12 7	3 30	4 4	10 1			n.a.
F 3	10 39	27 9	5 4	0 32	3 36	7 28	1 3	15 36	0 32	14 37	1 41	24 9	0 19	19 46	0 2	3 14	2 9	34 55	12 8	3 32	4 5	10 4			n.a.
S 4	11 0	28 53	5 11	0 22	3 37	7 17	1 9	15 49	0 32	14 37	1 41	24 9	0 19	19 47	0 2	3 14	2 9	34 55	12 8	3 34	4 6	10 7			n.a.
S 5	11 21	28 42	5 0	0 9	3 36	7 5	1 15	16 2	0 33	14 37	1 41	24 9	0 19	19 47	0 2	3 15	2 9	34 56	12 8	3 35	4 7	10 11			n.a.
M 6	11 41	26 49	4 32	0n 6	3 35	6 53	1 21	16 15	0 33	14 37	1 40	24 10	0 19	19 48	0 2	3 15	2 9	34 56	12 9	3 36	4 9	10 14			n.a.
T 7	12 2	23 34	3 51	0 24	3 33	6 40	1 27	16 27	0 34	14 37	1 40	24 10	0 19	19 49	0 2	3 16	2 9	34 56	12 9	3 36	4 10	10 17			n.a.
W 8	12 22	19 17	3 1	0 44	3 30	6 26	1 32	16 40	0 34	14 37	1 40	24 10	0 19	19 50	0 2	3 16	2 9	34 57	12 9	3 36	4 11	10 21			n.a.
T 9	12 42	14 18	2 2	1 7	3 26	6 12	1 37	16 52	0 35	14 36	1 39	24 10	0 20	19 51	0 2	3 17	2 9	34 57	12 10	3 35	4 13	10 24			n.a.
F 10	13 2	8 52	1 0	1 32	3 22	5 58	1 42	17 5	0 35	14 36	1 39	24 10	0 20	19 52	0 2	3 17	2 9	34 57	12 10	3 35	4 14	10 27			n.a.
S 11	13 21	3 11	0n 4	1 59	3 17	5 43	1 47	17 17	0 36	14 35	1 39	24 10	0 20	19 52	0 2	3 18	2 9	34 58	12 10	3 34	4 15	10 30			n.a.
S 12	13 41	2n34	1 8	2 28	3 11	5 27	1 52	17 29	0 36	14 35	1 39	24 10	0 20	19 53	0 2	3 18	2 9	34 58	12 11	3 35	4 16	10 34			n.a.
M13	14 0	8 12	2 8	3 0	3 4	5 11	1 56	17 41	0 37	14 34	1 38	24 11	0 20	19 54	0 2	3 19	2 9	34 58	12 11	3 36	4 18	10 37			n.a.
T 14	14 19	13 34	3 3	3 33	2 57	4 54	2 0	17 52	0 37	14 34	1 38	24 11	0 20	19 55	0 2	3 19	2 9	34 59	12 11	3 38	4 19	10 40			n.a.
W15	14 38	18 28	3 50	4 8	2 49	4 37	2 4	18 4	0 38	14 33	1 38	24 11	0 20	19 56	0 2	3 19	2 9	34 59	12 12	3 41	4 20	10 43			n.a.
T 16	14 56	22 41	4 27	4 45	2 40	4 19	2 8	18 15	0 38	14 32	1 37	24 11	0 20	19 56	0 2	3 20	2 9	35 0	12 12	3 44	4 21	10 47			n.a.
F 17	15 15	25 59	4 53	5 24	2 31	4 1	2 12	18 27	0 39	14 31	1 37	24 11	0 21	19 57	0 2	3 20	2 9	35 0	12 12	3 48	4 23	10 50			n.a.
S 18	15 33	28 8	5 5	6 4	2 22	3 43	2 15	18 38	0 39	14 30	1 37	24 11	0 21	19 58	0 2	3 21	2 9	35 0	12 13	3 51	4 24	10 53			n.a.
S 19	15 51	28 56	5 4	6 46	2 12	3 24	2 18	18 49	0 39	14 29	1 37	24 12	0 21	19 59	0 2	3 21	2 9	35 1	12 13	3 55	4 25	10 56			n.a.
M20	16 8	28 15	4 48	7 30	2 1	3 5	2 21	19 0	0 40	14 28	1 36	24 12	0 21	20 0	0 2	3 21	2 9	35 1	12 13	3 57	4 26	11 0			n.a.
T 21	16 26	26 4	4 17	8 14	1 50	2 45	2 24	19 11	0 40	14 27	1 36	24 12	0 21	20 1	0 2	3 22	2 9	35 1	12 14	3 59	4 28	11 3			n.a.
W22	16 43	22 27	3 32	9 0	1 39	2 25	2 27	19 21	0 41	14 26	1 36	24 12	0 21	20 1	0 2	3 22	2 9	35 2	12 14	4 0	4 29	11 6			n.a.
T 23	16 59	17 37	2 35	9 47	1 28	2 5	2 29	19 32	0 41	14 25	1 35	24 12	0 21	20 2	0 2	3 22	2 9	35 2	12 14	4 0	4 30	11 9			n.a.
F 24	17 16	11 45	1 28	10 35	1 16	1 44	2 32	19 42	0 42	14 24	1 35	24 12	0 21	20 3	0 2	3 23	2 9	35 3	12 15	3 59	4 32	11 13			n.a.
S 25	17 32	5 9	0 13	11 23	1 5	1 23	2 34	19 52	0 42	14 22	1 35	24 13	0 22	20 4	0 2	3 23	2 8	35 3	12 15	3 59	4 33	11 16			n.a.
S 26	17 48	1s52	1s 4	12 12	0 53	1 2	2 36	20 2	0 43	14 21	1 34	24 13	0 22	20 5	0 2	3 23	2 8	35 3	12 15	3 59	4 34	11 19			n.a.
M27	18 4	8 56	2 19	13 1	0 41	0 40	2 38	20 12	0 43	14 20	1 34	24 13	0 22	20 6	0 2	3 23	2 8	35 4	12 16	4 0	4 35	11 22			n.a.
T 28	18 20	15 36	3 24	13 51	0 29	0 19	2 40	20 22	0 43	14 18	1 34	24 13	0 22	20 7	0 2	3 24	2 8	35 4	12 16	4 2	4 37	11 26			n.a.
W29	18 35	21 21	4 16	14 40	0 18	0n 3	2 41	20 32	0 44	14 16	1 34	24 13	0 22	20 7	0 2	3 24	2 8	35 4	12 16	4 5	4 38	11 29			n.a.
T 30	18 50	25 43	4 50	15 29	0 6	0 26	2 43	20 41	0 44	14 15	1 33	24 14	0 22	20 8	0 2	3 24	2 8	35 5	12 16	4 9	4 39	11 32			n.a.
F 31	19n 4	28s16	5s 3	16n18	0n 5	0n48	2s44	20n50	0n45	14n13	1n33	24s14	0s22	20n 9	0n 2	3n24	2n 8	35s 5	12s17	4s13	4s40	11n35			n.a.

Julian Day Number = 1114863.5, Delta T = 10h48m26s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'53, Lahiri = -26°51'53 Julian Calendar 1 May 1661 BCE == Greg. Calendar 17 Apr. 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

JUNE 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 41 3	24♉44'40	1♑23	15♉39	9♈11	28♉46	27♌ 0	2°R49	28♉11	26°R24	16°R 1	19°R25	18♓20	22♈37	n.a.	S 1
S 2	15 44 59	25°41'46	15°21	17°44	10°11	29°24	27° 4	2♑46	28°15	26♍23	16♑ 0	19♓17	18°17	22°43	n.a.	S 2
M 3	15 48 56	26°38'53	28°50	19°51	11°11	0♊ 3	27° 9	2°43	28°18	26°23	15°59	19°12	18°14	22°50	n.a.	M 3
T 4	15 52 53	27°36'01	11♒50	21°58	12°12	0°41	27°13	2°40	28°22	26°22	15°59	19° 9	18°11	22°57	n.a.	T 4
W 5	15 56 49	28°33'09	24°27	24° 6	13°13	1°20	27°18	2°37	28°26	26°21	15°58	19°D 8	18° 8	23° 3	n.a.	W 5
T 6	16 0 46	29°30'18	6♓43	26°14	14°14	1°58	27°23	2°33	28°29	26°21	15°57	19° 8	18° 5	23°10	n.a.	T 6
F 7	16 4 42	0♊27'29	18°45	28°22	15°15	2°37	27°28	2°30	28°33	26°20	15°56	19°R 8	18° 1	23°17	n.a.	F 7
S 8	16 8 39	1°24'40	0♈37	0♊29	16°17	3°15	27°34	2°26	28°37	26°20	15°55	19° 8	17°58	23°23	n.a.	S 8
S 9	16 12 35	2°21'52	12°25	2°37	17°19	3°54	27°39	2°23	28°40	26°19	15°54	19° 5	17°55	23°30	n.a.	S 9
M10	16 16 32	3°19'05	24°13	4°43	18°21	4°32	27°45	2°19	28°44	26°19	15°54	19° 1	17°52	23°37	n.a.	M10
T 11	16 20 29	4°16'19	6♉ 5	6°49	19°24	5°10	27°50	2°15	28°47	26°19	15°53	18°53	17°49	23°43	n.a.	T 11
W12	16 24 25	5°13'34	18° 3	8°54	20°27	5°49	27°56	2°12	28°51	26°18	15°52	18°43	17°46	23°50	n.a.	W12
T 13	16 28 22	6°10'51	0♊ 9	10°57	21°30	6°27	28° 2	2° 8	28°55	26°18	15°51	18°31	17°42	23°57	n.a.	T 13
F 14	16 32 18	7° 8'08	12°26	12°59	22°34	7° 6	28° 8	2° 4	28°58	26°18	15°50	18°18	17°39	24° 3	n.a.	F 14
S 15	16 36 15	8° 5'26	24°53	15° 0	23°37	7°44	28°15	2° 0	29° 2	26°18	15°49	18° 5	17°36	24°10	n.a.	S 15
S 16	16 40 11	9° 2'45	7♋31	17° 0	24°41	8°22	28°21	1°56	29° 6	26°17	15°48	17°53	17°33	24°17	n.a.	S 16
M17	16 44 8	10° 0'05	20°20	18°58	25°45	9° 1	28°28	1°52	29° 9	26°17	15°47	17°44	17°30	24°23	n.a.	M17
T 18	16 48 5	10°57'25	3♌21	20°54	26°49	9°39	28°34	1°48	29°13	26°17	15°46	17°37	17°26	24°30	n.a.	T 18
W19	16 52 1	11°54'47	16°34	22°49	27°54	10°17	28°41	1°44	29°16	26°17	15°45	17°33	17°23	24°37	n.a.	W19
T 20	16 55 58	12°52'09	0♍ 2	24°42	28°59	10°56	28°48	1°40	29°20	26°17	15°44	17°31	17°20	24°43	n.a.	T 20
F 21	16 59 54	13°49'32	13°45	26°33	0♉ 4	11°34	28°55	1°36	29°24	26°17	15°43	17°31	17°17	24°50	n.a.	F 21
S 22	17 3 51	14°46'56	27°44	28°23	1° 9	12°12	29° 2	1°31	29°27	26°D17	15°42	17°31	17°14	24°57	n.a.	S 22
S 23	17 7 47	15°44'21	12♎ 0	0♋12	2°14	12°51	29°10	1°27	29°31	26°17	15°41	17°30	17°11	25° 3	n.a.	S 23
M24	17 11 44	16°41'47	26°30	1°59	3°20	13°29	29°17	1°23	29°34	26°17	15°40	17°26	17° 7	25°10	n.a.	M24
T 25	17 15 40	17°39'13	11♏12	3°44	4°25	14° 7	29°25	1°18	29°38	26°17	15°39	17°20	17° 4	25°17	n.a.	T 25
W26	17 19 37	18°36'41	26° 0	5°28	5°31	14°45	29°33	1°14	29°41	26°17	15°38	17°12	17° 1	25°23	n.a.	W26
T 27	17 23 34	19°34'11	10♐45	7°10	6°37	15°24	29°41	1°10	29°45	26°17	15°36	17° 1	16°58	25°30	n.a.	T 27
F 28	17 27 30	20°31'41	25°20	8°50	7°44	16° 2	29°49	1° 5	29°48	26°17	15°35	16°50	16°55	25°37	n.a.	F 28
S 29	17 31 27	21°29'13	9♑36	10°29	8°50	16°40	29°57	1° 1	29°52	26°17	15°34	16°39	16°52	25°43	n.a.	S 29
S 30	17 35 23	22♊26'46	23♑30	12♋ 7	9♉57	17♊19	0♍ 5	0♑56	29♉55	26♍18	15♑33	16♓30	16♓48	25♈50	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n19	28s50	4s57	17n 5	0n16	1n11	2s45	21n 0	0n45	14n11	1n33	24s14	0s22	20n10	0n 2	3n25	2n 8	35s 6	12s17	4s16	4s42	11n39		n.a.
S 2	19 33	27 30	4 33	17 52	0 26	1 34	2 46	21 9	0 45	14 10	1 32	24 14	0 22	20 11	0 2	3 25	2 8	35 6	12 17	4 19	4 43	11 42		n.a.
M 3	19 46	24 36	3 54	18 37	0 37	1 57	2 47	21 17	0 46	14 8	1 32	24 14	0 23	20 12	0 2	3 25	2 8	35 6	12 18	4 21	4 44	11 45		n.a.
T 4	20 0	20 31	3 5	19 21	0 46	2 21	2 47	21 26	0 46	14 6	1 32	24 15	0 23	20 12	0 2	3 25	2 8	35 7	12 18	4 22	4 45	11 48		n.a.
W 5	20 13	15 37	2 7	20 2	0 55	2 44	2 48	21 35	0 47	14 4	1 32	24 15	0 23	20 13	0 2	3 25	2 8	35 7	12 18	4 23	4 47	11 51		n.a.
T 6	20 25	10 13	1 6	20 42	1 4	3 8	2 48	21 43	0 47	14 2	1 31	24 15	0 23	20 14	0 2	3 26	2 8	35 7	12 18	4 23	4 48	11 55		n.a.
F 7	20 38	4 34	0 2	21 20	1 11	3 32	2 48	21 51	0 48	14 0	1 31	24 15	0 23	20 15	0 2	3 26	2 8	35 8	12 19	4 23	4 49	11 58		n.a.
S 8	20 50	1n11	1n 1	21 55	1 18	3 56	2 49	21 59	0 48	13 58	1 31	24 15	0 23	20 16	0 2	3 26	2 8	35 8	12 19	4 23	4 51	12 1		n.a.
S 9	21 2	6 50	2 0	22 28	1 25	4 20	2 49	22 7	0 48	13 56	1 31	24 15	0 23	20 17	0 2	3 26	2 8	35 9	12 19	4 24	4 52	12 4		n.a.
M10	21 13	12 16	2 55	22 58	1 31	4 44	2 48	22 15	0 49	13 53	1 30	24 16	0 23	20 17	0 2	3 26	2 7	35 9	12 19	4 26	4 53	12 7		n.a.
T 11	21 24	17 16	3 42	23 26	1 36	5 9	2 48	22 22	0 49	13 51	1 30	24 16	0 24	20 18	0 2	3 26	2 7	35 9	12 20	4 29	4 54	12 11		n.a.
W12	21 34	21 40	4 19	23 51	1 40	5 33	2 48	22 30	0 50	13 49	1 30	24 16	0 24	20 19	0 2	3 26	2 7	35 10	12 20	4 33	4 56	12 14		n.a.
T 13	21 45	25 12	4 45	24 13	1 44	5 57	2 47	22 37	0 50	13 47	1 29	24 16	0 24	20 20	0 2	3 26	2 7	35 10	12 20	4 37	4 57	12 17		n.a.
F 14	21 55	27 39	4 59	24 33	1 47	6 22	2 47	22 44	0 50	13 44	1 29	24 16	0 24	20 21	0 2	3 26	2 7	35 10	12 20	4 43	4 58	12 20		n.a.
S 15	22 4	28 45	4 58	24 50	1 49	6 46	2 46	22 51	0 51	13 42	1 29	24 17	0 24	20 21	0 2	3 26	2 7	35 11	12 21	4 48	4 59	12 23		n.a.
S 16	22 13	28 23	4 43	25 4	1 50	7 11	2 45	22 57	0 51	13 39	1 29	24 17	0 24	20 22	0 2	3 26	2 7	35 11	12 21	4 52	5 1	12 26		n.a.
M17	22 22	26 30	4 14	25 16	1 51	7 35	2 44	23 4	0 51	13 37	1 28	24 17	0 24	20 23	0 2	3 26	2 7	35 11	12 21	4 56	5 2	12 30		n.a.
T 18	22 31	23 11	3 31	25 26	1 52	8 0	2 43	23 10	0 52	13 34	1 28	24 17	0 24	20 24	0 2	3 26	2 7	35 12	12 21	4 59	5 3	12 33		n.a.
W19	22 39	18 38	2 36	25 33	1 52	8 24	2 42	23 16	0 52	13 31	1 28	24 17	0 24	20 25	0 2	3 26	2 7	35 12	12 22	5 1	5 4	12 36		n.a.
T 20	22 46	13 5	1 31	25 38	1 51	8 49	2 41	23 22	0 53	13 29	1 28	24 17	0 25	20 26	0 2	3 26	2 7	35 12	12 22	5 1	5 6	12 39		n.a.
F 21	22 53	6 49	0 20	25 40	1 49	9 13	2 40	23 28	0 53	13 26	1 27	24 18	0 25	20 26	0 2	3 26	2 7	35 13	12 22	5 1	5 7	12 42		n.a.
S 22	23 0	0 6	0s54	25 40	1 47	9 37	2 38	23 34	0 53	13 23	1 27	24 18	0 25	20 27	0 2	3 26	2 7	35 13	12 22	5 1	5 8	12 45		n.a.
S 23	23 7	6s45	2 5	25 38	1 45	10 2	2 37	23 39	0 54	13 20	1 27	24 18	0 25	20 28	0 2	3 26	2 7	35 14	12 22	5 2	5 9	12 49		n.a.
M24	23 13	13 21	3 10	25 35	1 42	10 26	2 35	23 44	0 54	13 17	1 27	24 18	0 25	20 29	0 2	3 26	2 7	35 14	12 23	5 3	5 11	12 52		n.a.
T 25	23 18	19 19	4 3	25 29	1 39	10 50	2 33	23 50	0 54	13 14	1 26	24 18	0 25	20 29	0 2	3 26	2 6	35 14	12 23	5 6	5 12	12 55		n.a.
W26	23 23	24 9	4 40	25 21	1 35	11 14	2 32	23 54	0 55	13 11	1 26	24 18	0 25	20 30	0 2	3 26	2 6	35 15	12 23	5 9	5 13	12 58		n.a.
T 27	23 28	27 24	4 59	25 12	1 30	11 38	2 30	23 59	0 55	13 8	1 26	24 18	0 25	20 31	0 2	3 26	2 6	35 15	12 23	5 13	5 14	13 1		n.a.
F 28	23 33	28 45	4 57	25 1	1 26	12 1	2 28	24 4	0 56	13 5	1 26	24 19	0 25	20 32	0 2	3 26	2 6	35 15	12 23	5 18	5 16	13 4		n.a.
S 29	23 37	28 8	4 37	24 48	1 21	12 25	2 26	24 8	0 56	13 2	1 26	24 19	0 26	20 33	0 2	3 26	2 6	35 16	12 24	5 22	5 17	13 8		n.a.
S 30	23n40	25s45	4s 1	24n34	1n15	12n48	2s24	24n12	0n56	12n59	1n25	24s19	0s26	20n33	0n 2	3n25	2n 6	35s16	12s24	5s26	5s18	13n11		n.a.

Julian Day Number = 1114894.5, Delta T = 10h48m24s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'49, Lahiri = -26°51'49 Julian Calendar 1 June 1661 BCE == Greg. Calendar 18 May 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

JULY 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 39 20	23♊24'21	6♒58	13♋43	11♉ 4	17♊57	0♍13	0°R52	29♉59	26♍18	15°R32	16°R22	16♓45	25♈57	n.a.	M 1
T 2	17 43 16	24°21'58	20° 0	15°17	12°11	18°35	0°22	0♑47	0♊ 2	26°18	15♑31	16♓18	16°42	26° 3	n.a.	T 2
W 3	17 47 13	25°19'36	2♓37	16°50	13°18	19°13	0°30	0°43	0° 6	26°18	15°30	16°16	16°39	26°10	n.a.	W 3
T 4	17 51 9	26°17'16	14°55	18°21	14°25	19°51	0°39	0°38	0° 9	26°19	15°28	16°D15	16°36	26°17	n.a.	T 4
F 5	17 55 6	27°14'57	26°58	19°51	15°33	20°30	0°48	0°34	0°12	26°19	15°27	16°R15	16°32	26°24	n.a.	F 5
S 6	17 59 3	28°12'41	8♈52	21°19	16°40	21° 8	0°57	0°29	0°16	26°20	15°26	16°15	16°29	26°30	n.a.	S 6
S 7	18 2 59	29°10'26	20°41	22°46	17°48	21°46	1° 6	0°25	0°19	26°20	15°25	16°13	16°26	26°37	n.a.	S 7
M 8	18 6 56	0♋ 8'13	2♉31	24°11	18°56	22°24	1°15	0°20	0°22	26°21	15°23	16° 9	16°23	26°44	n.a.	M 8
T 9	18 10 52	1° 6'02	14°27	25°35	20° 4	23° 3	1°24	0°16	0°26	26°21	15°22	16° 2	16°20	26°50	n.a.	T 9
W10	18 14 49	2° 3'53	26°31	26°56	21°12	23°41	1°34	0°11	0°29	26°22	15°21	15°53	16°17	26°57	n.a.	W10
T 11	18 18 45	3° 1'46	8♊47	28°17	22°21	24°19	1°43	0° 6	0°32	26°22	15°20	15°42	16°13	27° 4	n.a.	T 11
F 12	18 22 42	3°59'40	21°17	29°35	23°29	24°57	1°53	0° 2	0°35	26°23	15°18	15°30	16°10	27°10	n.a.	F 12
S 13	18 26 38	4°57'37	4♋ 0	0♌52	24°38	25°36	2° 2	29♐57	0°38	26°23	15°17	15°17	16° 7	27°17	n.a.	S 13
S 14	18 30 35	5°55'35	16°57	2° 6	25°47	26°14	2°12	29°53	0°42	26°24	15°16	15° 6	16° 4	27°24	n.a.	S 14
M15	18 34 32	6°53'35	0♌ 7	3°19	26°56	26°52	2°22	29°48	0°45	26°25	15°15	14°57	16° 1	27°30	n.a.	M15
T 16	18 38 28	7°51'36	13°28	4°30	28° 5	27°30	2°32	29°44	0°48	26°26	15°13	14°51	15°58	27°37	n.a.	T 16
W17	18 42 25	8°49'40	26°59	5°39	29°14	28° 8	2°42	29°39	0°51	26°26	15°12	14°47	15°54	27°44	n.a.	W17
T 18	18 46 21	9°47'44	10♍40	6°46	0♊23	28°47	2°52	29°35	0°54	26°27	15°11	14°D46	15°51	27°50	n.a.	T 18
F 19	18 50 18	10°45'50	24°30	7°50	1°33	29°25	3° 2	29°30	0°57	26°28	15°10	14°46	15°48	27°57	n.a.	F 19
S 20	18 54 14	11°43'58	8♎29	8°52	2°42	0♋ 3	3°13	29°26	1° 0	26°29	15° 8	14°R47	15°45	28° 4	n.a.	S 20
S 21	18 58 11	12°42'07	22°37	9°51	3°52	0°41	3°23	29°22	1° 3	26°30	15° 7	14°46	15°42	28°10	n.a.	S 21
M22	19 2 7	13°40'18	6♏53	10°48	5° 2	1°19	3°34	29°17	1° 6	26°31	15° 6	14°44	15°38	28°17	n.a.	M22
T 23	19 6 4	14°38'31	21°13	11°42	6°12	1°58	3°44	29°13	1° 9	26°32	15° 4	14°40	15°35	28°24	n.a.	T 23
W24	19 10 1	15°36'46	5♐36	12°33	7°22	2°36	3°55	29° 9	1°12	26°33	15° 3	14°33	15°32	28°30	n.a.	W24
T 25	19 13 57	16°35'02	19°55	13°21	8°32	3°14	4° 6	29° 4	1°15	26°34	15° 2	14°25	15°29	28°37	n.a.	T 25
F 26	19 17 54	17°33'20	4♑ 6	14° 5	9°42	3°52	4°16	29° 0	1°17	26°35	15° 1	14°15	15°26	28°44	n.a.	F 26
S 27	19 21 50	18°31'40	18° 3	14°45	10°53	4°30	4°27	28°56	1°20	26°36	14°59	14° 7	15°23	28°51	n.a.	S 27
S 28	19 25 47	19°30'02	1♒41	15°22	12° 3	5° 9	4°38	28°52	1°23	26°37	14°58	13°59	15°19	28°57	n.a.	S 28
M29	19 29 43	20°28'26	14°59	15°54	13°14	5°47	4°49	28°48	1°26	26°38	14°57	13°53	15°16	29° 4	n.a.	M29
T 30	19 33 40	21°26'52	27°55	16°22	14°25	6°25	5° 0	28°44	1°28	26°39	14°56	13°50	15°13	29°11	n.a.	T 30
W31	19 37 36	22♋25'20	10♓31	16♌45	15♊35	7♋ 3	5♍12	28♐40	1♊31	26♍40	14♑54	13°D48	15♓10	29♈17	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23n43	21s58	3s12	24n19	1n 9	13n12	2s21	24n16	0n57	12n56	1n25	24s19	0s26	20n34	0n 2	3n25	2n 6	35s16	12s24	5s28	5s19	13n14			n.a.
T 2	23 46	17 13	2 14	24 2	1 3	13 35	2 19	24 20	0 57	12 52	1 25	24 19	0 26	20 35	0 3	3 25	2 6	35 16	12 24	5 30	5 21	13 17			n.a.
W 3	23 48	11 51	1 12	23 45	0 57	13 57	2 17	24 24	0 57	12 49	1 25	24 19	0 26	20 36	0 3	3 25	2 6	35 17	12 24	5 31	5 22	13 20			n.a.
T 4	23 50	6 9	0 7	23 26	0 50	14 20	2 14	24 27	0 58	12 46	1 24	24 19	0 26	20 36	0 3	3 25	2 6	35 17	12 24	5 31	5 23	13 23			n.a.
F 5	23 52	0 22	0n57	23 6	0 43	14 42	2 12	24 30	0 58	12 42	1 24	24 20	0 26	20 37	0 3	3 24	2 6	35 17	12 25	5 31	5 25	13 26			n.a.
S 6	23 53	5n22	1 57	22 45	0 35	15 4	2 9	24 33	0 58	12 39	1 24	24 20	0 26	20 38	0 3	3 24	2 6	35 18	12 25	5 31	5 26	13 29			n.a.
S 7	23 53	10 52	2 52	22 23	0 28	15 26	2 7	24 36	0 59	12 35	1 24	24 20	0 26	20 39	0 3	3 24	2 6	35 18	12 25	5 32	5 27	13 33			n.a.
M 8	23 53	16 0	3 39	22 0	0 20	15 48	2 4	24 39	0 59	12 32	1 24	24 20	0 26	20 39	0 3	3 24	2 6	35 18	12 25	5 34	5 28	13 36			n.a.
T 9	23 53	20 34	4 17	21 37	0 11	16 9	2 1	24 41	0 59	12 28	1 23	24 20	0 27	20 40	0 3	3 23	2 5	35 19	12 25	5 36	5 30	13 39			n.a.
W10	23 52	24 21	4 45	21 13	0 3	16 30	1 59	24 44	1 0	12 25	1 23	24 20	0 27	20 41	0 3	3 23	2 5	35 19	12 25	5 40	5 31	13 42			n.a.
T 11	23 51	27 6	4 59	20 48	0s 6	16 50	1 56	24 46	1 0	12 21	1 23	24 20	0 27	20 41	0 3	3 23	2 5	35 19	12 25	5 44	5 32	13 45			n.a.
F 12	23 50	28 35	5 0	20 23	0 14	17 11	1 53	24 48	1 0	12 17	1 23	24 20	0 27	20 42	0 3	3 22	2 5	35 19	12 25	5 49	5 33	13 48			n.a.
S 13	23 48	28 35	4 46	19 58	0 23	17 31	1 50	24 50	1 1	12 14	1 23	24 20	0 27	20 43	0 3	3 22	2 5	35 20	12 25	5 54	5 35	13 51			n.a.
S 14	23 45	27 2	4 17	19 32	0 33	17 50	1 47	24 51	1 1	12 10	1 22	24 20	0 27	20 43	0 3	3 22	2 5	35 20	12 26	5 59	5 36	13 54			n.a.
M15	23 42	23 59	3 34	19 6	0 42	18 9	1 44	24 52	1 1	12 6	1 22	24 21	0 27	20 44	0 3	3 21	2 5	35 20	12 26	6 2	5 37	13 57			n.a.
T 16	23 39	19 37	2 38	18 40	0 51	18 28	1 41	24 54	1 2	12 2	1 22	24 21	0 27	20 45	0 3	3 21	2 5	35 20	12 26	6 5	5 38	14 0			n.a.
W17	23 35	14 12	1 33	18 14	1 1	18 46	1 38	24 55	1 2	11 58	1 22	24 21	0 27	20 45	0 3	3 21	2 5	35 21	12 26	6 6	5 40	14 3			n.a.
T 18	23 31	8 3	0 22	17 48	1 11	19 4	1 35	24 55	1 2	11 54	1 22	24 21	0 27	20 46	0 3	3 20	2 5	35 21	12 26	6 6	5 41	14 7			n.a.
F 19	23 27	1 26	0s52	17 21	1 21	19 22	1 32	24 56	1 3	11 51	1 21	24 21	0 27	20 47	0 3	3 20	2 5	35 21	12 26	6 6	5 42	14 10			n.a.
S 20	23 22	5s18	2 3	16 56	1 30	19 39	1 28	24 56	1 3	11 47	1 21	24 21	0 28	20 47	0 3	3 20	2 5	35 21	12 26	6 6	5 43	14 13			n.a.
S 21	23 16	11 51	3 8	16 30	1 40	19 56	1 25	24 57	1 3	11 43	1 21	24 21	0 28	20 48	0 3	3 19	2 5	35 22	12 26	6 6	5 45	14 16			n.a.
M22	23 10	17 51	4 1	16 5	1 50	20 12	1 22	24 57	1 3	11 38	1 21	24 21	0 28	20 49	0 3	3 19	2 5	35 22	12 26	6 7	5 46	14 19			n.a.
T 23	23 4	22 53	4 40	15 41	2 0	20 27	1 19	24 56	1 4	11 34	1 21	24 21	0 28	20 49	0 3	3 18	2 5	35 22	12 26	6 9	5 47	14 22			n.a.
W24	22 57	26 34	5 1	15 17	2 10	20 43	1 16	24 56	1 4	11 30	1 21	24 21	0 28	20 50	0 3	3 18	2 4	35 22	12 26	6 12	5 48	14 25			n.a.
T 25	22 50	28 32	5 3	14 54	2 20	20 57	1 12	24 55	1 4	11 26	1 20	24 21	0 28	20 50	0 3	3 17	2 4	35 22	12 26	6 15	5 50	14 28			n.a.
F 26	22 43	28 36	4 47	14 31	2 30	21 11	1 9	24 55	1 5	11 22	1 20	24 21	0 28	20 51	0 3	3 17	2 4	35 23	12 26	6 18	5 51	14 31			n.a.
S 27	22 35	26 50	4 13	14 10	2 40	21 25	1 6	24 54	1 5	11 18	1 20	24 21	0 28	20 52	0 3	3 16	2 4	35 23	12 26	6 22	5 52	14 34			n.a.
S 28	22 27	23 30	3 26	13 50	2 49	21 38	1 2	24 53	1 5	11 13	1 20	24 21	0 28	20 52	0 3	3 16	2 4	35 23	12 26	6 25	5 53	14 37			n.a.
M29	22 18	19 0	2 28	13 32	2 58	21 51	0 59	24 51	1 6	11 9	1 20	24 21	0 28	20 53	0 3	3 15	2 4	35 23	12 26	6 27	5 55	14 40			n.a.
T 30	22 9	13 44	1 24	13 15	3 7	22 2	0 56	24 50	1 6	11 5	1 20	24 21	0 28	20 53	0 3	3 15	2 4	35 23	12 26	6 29	5 56	14 43			n.a.
W31	21n59	8s 2	0s18	13n 0	3s16	22n14	0s52	24n48	1n 6	11n 1	1n19	24s21	0s28	20n54	0n 3	3n14	2n 4	35s23	12s26	6s29	5s57	14n46			n.a.

Julian Day Number = 1114924.5, Delta T = 10h48m22s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'45, Lahiri = -26°51'45 Julian Calendar 1 July 1661 BCE == Greg. Calendar 17 June 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

AUGUST 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 41 33	23♋23'50	22♓49	17♌ 3	16♊46	7♋41	5♍23	28°R36	1♊33	26♍42	14°R53	13♓49	15♓ 7	29♈24	n.a.	T 1
F 2	19 45 30	24°22'23	4♈52	17°15	17°57	8°20	5°34	28♐32	1°36	26°43	14♑52	13°50	15° 4	29°31	n.a.	F 2
S 3	19 49 26	25°20'58	16°47	17°22	19° 9	8°58	5°46	28°28	1°39	26°44	14°50	13°51	15° 0	29°37	n.a.	S 3
S 4	19 53 23	26°19'36	28°37	17°R22	20°20	9°36	5°57	28°25	1°41	26°45	14°49	13°R51	14°57	29°44	n.a.	S 4
M 5	19 57 19	27°18'16	10♉29	17°16	21°31	10°14	6° 9	28°21	1°43	26°47	14°48	13°50	14°54	29°51	n.a.	M 5
T 6	20 1 16	28°16'58	22°27	17° 4	22°43	10°53	6°20	28°17	1°46	26°48	14°47	13°47	14°51	29°57	n.a.	T 6
W 7	20 5 12	29°15'43	4♊35	16°44	23°54	11°31	6°32	28°14	1°48	26°50	14°45	13°42	14°48	0♉ 4	n.a.	W 7
T 8	20 9 9	0♌14'30	16°57	16°17	25° 6	12° 9	6°44	28°10	1°50	26°51	14°44	13°36	14°44	0°11	n.a.	T 8
F 9	20 13 5	1°13'20	29°36	15°43	26°18	12°47	6°56	28° 7	1°53	26°52	14°43	13°29	14°41	0°17	n.a.	F 9
S 10	20 17 2	2°12'12	12♋33	15° 3	27°30	13°25	7° 8	28° 3	1°55	26°54	14°42	13°21	14°38	0°24	n.a.	S 10
S 11	20 20 58	3°11'06	25°48	14°15	28°42	14° 4	7°20	28° 0	1°57	26°55	14°41	13°15	14°35	0°31	n.a.	S 11
M12	20 24 55	4°10'02	9♌19	13°22	29°54	14°42	7°32	27°57	1°59	26°57	14°39	13° 9	14°32	0°37	n.a.	M12
T 13	20 28 52	5° 9'00	23° 5	12°24	1♋ 6	15°20	7°44	27°54	2° 1	26°58	14°38	13° 6	14°29	0°44	n.a.	T 13
W14	20 32 48	6° 8'01	7♍ 2	11°21	2°18	15°58	7°56	27°51	2° 4	27° 0	14°37	13°D 4	14°25	0°51	n.a.	W14
T 15	20 36 45	7° 7'03	21° 6	10°15	3°30	16°37	8° 8	27°48	2° 6	27° 2	14°36	13° 4	14°22	0°58	n.a.	T 15
F 16	20 40 41	8° 6'08	5♎16	9° 8	4°43	17°15	8°20	27°45	2° 8	27° 3	14°35	13° 5	14°19	1° 4	n.a.	F 16
S 17	20 44 38	9° 5'14	19°27	8° 1	5°55	17°53	8°32	27°42	2° 9	27° 5	14°33	13° 7	14°16	1°11	n.a.	S 17
S 18	20 48 34	10° 4'22	3♏39	6°56	7° 8	18°31	8°45	27°39	2°11	27° 6	14°32	13°R 8	14°13	1°18	n.a.	S 18
M19	20 52 31	11° 3'32	17°49	5°55	8°20	19°10	8°57	27°36	2°13	27° 8	14°31	13° 8	14°10	1°24	n.a.	M19
T 20	20 56 27	12° 2'45	1♐55	4°59	9°33	19°48	9°10	27°34	2°15	27°10	14°30	13° 7	14° 6	1°31	n.a.	T 20
W21	21 0 24	13° 1'59	15°56	4°10	10°46	20°26	9°22	27°31	2°17	27°12	14°29	13° 4	14° 3	1°38	n.a.	W21
T 22	21 4 21	14° 1'15	29°49	3°29	11°59	21° 4	9°35	27°29	2°18	27°13	14°28	13° 0	14° 0	1°44	n.a.	T 22
F 23	21 8 17	15° 0'33	13♑32	2°57	13°12	21°43	9°47	27°26	2°20	27°15	14°27	12°55	13°57	1°51	n.a.	F 23
S 24	21 12 14	15°59'53	27° 2	2°36	14°25	22°21	10° 0	27°24	2°22	27°17	14°26	12°51	13°54	1°58	n.a.	S 24
S 25	21 16 10	16°59'15	10♒18	2°24	15°38	22°59	10°12	27°22	2°23	27°19	14°25	12°48	13°50	2° 4	n.a.	S 25
M26	21 20 7	17°58'40	23°17	2°D24	16°51	23°37	10°25	27°20	2°25	27°21	14°24	12°45	13°47	2°11	n.a.	M26
T 27	21 24 3	18°58'06	6♓ 1	2°34	18° 4	24°16	10°38	27°18	2°26	27°22	14°23	12°44	13°44	2°18	n.a.	T 27
W28	21 28 0	19°57'35	18°28	2°55	19°18	24°54	10°51	27°16	2°27	27°24	14°22	12°D44	13°41	2°25	n.a.	W28
T 29	21 31 56	20°57'06	0♈42	3°25	20°31	25°32	11° 3	27°14	2°29	27°26	14°21	12°45	13°38	2°31	n.a.	T 29
F 30	21 35 53	21°56'40	12°44	4° 5	21°45	26°11	11°16	27°13	2°30	27°28	14°20	12°46	13°35	2°38	n.a.	F 30
S 31	21 39 49	22♌56'15	24♈39	4♌54	22♋58	26♋49	11♍29	27♐11	2♊31	27♍30	14♑19	12♓48	13♓31	2♉45	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21n49	2s10	0n48	12n47	3s24	22n25	0s49	24n46	1n 6	10n56	1n19	24s21	0s28	20n54	0n 3	3n14	2n 4	35s24	12s26	6s29	5s58	14n49			n.a.
F 2	21 39	3n40	1 51	12 36	3 32	22 35	0 45	24 44	1 7	10 52	1 19	24 21	0 29	20 55	0 3	3 13	2 4	35 24	12 26	6 29	6 0	14 52			n.a.
S 3	21 28	9 18	2 48	12 27	3 39	22 44	0 42	24 42	1 7	10 47	1 19	24 22	0 29	20 56	0 3	3 13	2 4	35 24	12 26	6 28	6 1	14 55			n.a.
S 4	21 17	14 34	3 38	12 21	3 45	22 53	0 39	24 39	1 7	10 43	1 19	24 22	0 29	20 56	0 3	3 12	2 4	35 24	12 26	6 28	6 2	14 58			n.a.
M 5	21 6	19 19	4 18	12 18	3 50	23 2	0 35	24 37	1 8	10 38	1 19	24 22	0 29	20 57	0 3	3 11	2 4	35 24	12 26	6 28	6 3	15 1			n.a.
T 6	20 54	23 21	4 48	12 17	3 55	23 9	0 32	24 34	1 8	10 34	1 18	24 22	0 29	20 57	0 3	3 11	2 4	35 24	12 26	6 30	6 5	15 4			n.a.
W 7	20 41	26 27	5 5	12 20	3 58	23 16	0 29	24 31	1 8	10 29	1 18	24 22	0 29	20 58	0 3	3 10	2 4	35 24	12 26	6 31	6 6	15 7			n.a.
T 8	20 29	28 21	5 8	12 26	4 0	23 23	0 25	24 28	1 8	10 25	1 18	24 22	0 29	20 58	0 3	3 10	2 4	35 24	12 26	6 34	6 7	15 10			n.a.
F 9	20 16	28 50	4 57	12 36	4 1	23 28	0 22	24 24	1 9	10 20	1 18	24 22	0 29	20 59	0 3	3 9	2 4	35 25	12 26	6 37	6 8	15 13			n.a.
S 10	20 2	27 46	4 30	12 49	3 59	23 33	0 19	24 21	1 9	10 16	1 18	24 22	0 29	20 59	0 3	3 8	2 3	35 25	12 26	6 40	6 10	15 16			n.a.
S 11	19 49	25 7	3 48	13 6	3 56	23 38	0 15	24 17	1 9	10 11	1 18	24 22	0 29	20 59	0 3	3 8	2 3	35 25	12 26	6 42	6 11	15 19			n.a.
M12	19 35	21 2	2 53	13 26	3 52	23 41	0 12	24 13	1 10	10 6	1 18	24 22	0 29	21 0	0 3	3 7	2 3	35 25	12 26	6 44	6 12	15 22			n.a.
T 13	19 20	15 45	1 47	13 49	3 45	23 44	0 9	24 9	1 10	10 2	1 18	24 22	0 29	21 0	0 3	3 6	2 3	35 25	12 26	6 46	6 13	15 25			n.a.
W14	19 6	9 36	0 33	14 15	3 36	23 47	0 6	24 4	1 10	9 57	1 17	24 22	0 29	21 1	0 3	3 6	2 3	35 25	12 26	6 46	6 15	15 28			n.a.
T 15	18 50	2 55	0s44	14 43	3 25	23 48	0 2	24 0	1 10	9 52	1 17	24 22	0 29	21 1	0 3	3 5	2 3	35 25	12 26	6 46	6 16	15 31			n.a.
F 16	18 35	3s56	1 58	15 14	3 12	23 49	0n 1	23 55	1 11	9 47	1 17	24 22	0 29	21 2	0 3	3 4	2 3	35 25	12 26	6 46	6 17	15 34			n.a.
S 17	18 19	10 36	3 5	15 45	2 57	23 49	0 4	23 50	1 11	9 42	1 17	24 22	0 30	21 2	0 3	3 4	2 3	35 25	12 26	6 45	6 18	15 37			n.a.
S 18	18 3	16 44	4 2	16 18	2 41	23 49	0 7	23 45	1 11	9 38	1 17	24 22	0 30	21 2	0 3	3 3	2 3	35 25	12 26	6 45	6 20	15 40			n.a.
M19	17 47	21 58	4 43	16 50	2 23	23 47	0 10	23 40	1 11	9 33	1 17	24 22	0 30	21 3	0 3	3 2	2 3	35 25	12 25	6 45	6 21	15 43			n.a.
T 20	17 30	25 56	5 7	17 22	2 5	23 45	0 13	23 35	1 12	9 28	1 17	24 22	0 30	21 3	0 3	3 1	2 3	35 25	12 25	6 45	6 22	15 46			n.a.
W21	17 13	28 18	5 12	17 53	1 45	23 43	0 16	23 29	1 12	9 23	1 17	24 22	0 30	21 4	0 3	3 1	2 3	35 25	12 25	6 47	6 23	15 49			n.a.
T 22	16 56	28 53	4 59	18 22	1 25	23 39	0 19	23 23	1 12	9 18	1 17	24 22	0 30	21 4	0 3	3 0	2 3	35 25	12 25	6 48	6 25	15 52			n.a.
F 23	16 38	27 39	4 29	18 48	1 6	23 35	0 22	23 18	1 12	9 13	1 16	24 22	0 30	21 4	0 3	2 59	2 3	35 25	12 25	6 50	6 26	15 55			n.a.
S 24	16 20	24 49	3 45	19 12	0 46	23 30	0 25	23 11	1 13	9 8	1 16	24 22	0 30	21 5	0 3	2 58	2 3	35 25	12 25	6 51	6 27	15 58			n.a.
S 25	16 2	20 42	2 49	19 33	0 27	23 25	0 28	23 5	1 13	9 3	1 16	24 22	0 30	21 5	0 3	2 58	2 3	35 25	12 25	6 53	6 28	16 1			n.a.
M26	15 44	15 39	1 45	19 51	0 9	23 19	0 31	22 59	1 13	8 58	1 16	24 22	0 30	21 5	0 3	2 57	2 3	35 25	12 25	6 54	6 30	16 4			n.a.
T 27	15 25	10 3	0 37	20 5	0n 8	23 12	0 33	22 52	1 13	8 53	1 16	24 22	0 30	21 6	0 3	2 56	2 3	35 25	12 25	6 54	6 31	16 7			n.a.
W28	15 6	4 10	0n32	20 16	0 24	23 4	0 36	22 45	1 14	8 48	1 16	24 22	0 30	21 6	0 3	2 55	2 3	35 25	12 24	6 54	6 32	16 10			n.a.
T 29	14 47	1n46	1 37	20 23	0 39	22 56	0 39	22 38	1 14	8 43	1 16	24 22	0 30	21 6	0 3	2 54	2 3	35 25	12 24	6 54	6 33	16 12			n.a.
F 30	14 27	7 32	2 38	20 27	0 52	22 47	0 41	22 31	1 14	8 38	1 16	24 22	0 30	21 6	0 3	2 54	2 3	35 25	12 24	6 53	6 35	16 15			n.a.
S 31	14n 8	12n59	3n31	20n27	1n 5	22n37	0n44	22n24	1n14	8n33	1n16	24s22	0s30	21n 7	0n 3	2n53	2n 3	35s25	12s24	6s53	6s36	16n18			n.a.

Julian Day Number = 1114955.5, Delta T = 10h48m20s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'41, Lahiri = -26°51'40 Julian Calendar 1 Aug. 1661 BCE == Greg. Calendar 18 July 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

SEPTEMBER 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 43 46	23♌55'54	6♉29	5♌50	24♋12	27♋27	11♍42	27°R10	2♊33	27♍32	14°R18	12♓49	13♓28	2♉51	n.a.	S 1
M 2	21 47 43	24°55'34	18°21	6°53	25°26	28° 6	11°55	27♐ 8	2°34	27°34	14♑17	12°50	13°25	2°58	n.a.	M 2
T 3	21 51 39	25°55'18	0♊18	8° 3	26°39	28°44	12° 8	27° 7	2°35	27°36	14°16	12°R50	13°22	3° 5	n.a.	T 3
W 4	21 55 36	26°55'03	12°25	9°18	27°53	29°22	12°21	27° 6	2°36	27°38	14°15	12°50	13°19	3°11	n.a.	W 4
T 5	21 59 32	27°54'52	24°48	10°38	29° 7	0♌ 1	12°34	27° 5	2°37	27°40	14°14	12°48	13°16	3°18	n.a.	T 5
F 6	22 3 29	28°54'42	7♋29	12° 2	0♌21	0°39	12°47	27° 4	2°38	27°42	14°13	12°46	13°12	3°25	n.a.	F 6
S 7	22 7 25	29°54'35	20°31	13°30	1°35	1°17	13° 0	27° 3	2°39	27°44	14°13	12°45	13° 9	3°31	n.a.	S 7
S 8	22 11 22	0♍54'30	3♌56	15° 0	2°49	1°56	13°13	27° 2	2°39	27°46	14°12	12°43	13° 6	3°38	n.a.	S 8
M 9	22 15 18	1°54'28	17°44	16°33	4° 3	2°34	13°26	27° 1	2°40	27°48	14°11	12°42	13° 3	3°45	n.a.	M 9
T 10	22 19 15	2°54'27	1♍51	18° 8	5°17	3°12	13°39	27° 1	2°41	27°50	14°10	12°41	13° 0	3°52	n.a.	T 10
W11	22 23 11	3°54'29	16°13	19°44	6°32	3°51	13°53	27° 0	2°42	27°52	14° 9	12°D41	12°56	3°58	n.a.	W11
T 12	22 27 8	4°54'32	0♎46	21°22	7°46	4°29	14° 6	27° 0	2°42	27°54	14° 9	12°41	12°53	4° 5	n.a.	T 12
F 13	22 31 5	5°54'38	15°23	23° 0	9° 0	5° 7	14°19	27° 0	2°43	27°56	14° 8	12°42	12°50	4°12	n.a.	F 13
S 14	22 35 1	6°54'45	29°58	24°40	10°15	5°46	14°32	27° 0	2°43	27°58	14° 7	12°42	12°47	4°18	n.a.	S 14
S 15	22 38 58	7°54'54	14♏26	26°20	11°29	6°24	14°45	26°D59	2°44	28° 1	14° 7	12°43	12°44	4°25	n.a.	S 15
M16	22 42 54	8°55'05	28°44	28° 0	12°44	7° 3	14°59	27° 0	2°44	28° 3	14° 6	12°43	12°41	4°32	n.a.	M16
T 17	22 46 51	9°55'18	12♐48	29°40	13°58	7°41	15°12	27° 0	2°44	28° 5	14° 5	12°R43	12°37	4°38	n.a.	T 17
W18	22 50 47	10°55'32	26°37	1♍20	15°13	8°19	15°25	27° 0	2°45	28° 7	14° 5	12°43	12°34	4°45	n.a.	W18
T 19	22 54 44	11°55'48	10♑11	3° 1	16°27	8°58	15°38	27° 0	2°45	28° 9	14° 4	12°43	12°31	4°52	n.a.	T 19
F 20	22 58 40	12°56'06	23°31	4°41	17°42	9°36	15°52	27° 1	2°45	28°11	14° 4	12°D43	12°28	4°58	n.a.	F 20
S 21	23 2 37	13°56'25	6♒36	6°21	18°57	10°14	16° 5	27° 1	2°45	28°14	14° 3	12°43	12°25	5° 5	n.a.	S 21
S 22	23 6 34	14°56'46	19°27	8° 0	20°12	10°53	16°18	27° 2	2°45	28°16	14° 3	12°43	12°22	5°12	n.a.	S 22
M23	23 10 30	15°57'08	2♓ 6	9°40	21°26	11°31	16°31	27° 3	2°R45	28°18	14° 2	12°43	12°18	5°19	n.a.	M23
T 24	23 14 27	16°57'33	14°32	11°19	22°41	12°10	16°45	27° 4	2°45	28°20	14° 2	12°R43	12°15	5°25	n.a.	T 24
W25	23 18 23	17°57'59	26°48	12°58	23°56	12°48	16°58	27° 5	2°45	28°23	14° 1	12°43	12°12	5°32	n.a.	W25
T 26	23 22 20	18°58'27	8♈54	14°36	25°11	13°27	17°11	27° 6	2°45	28°25	14° 1	12°43	12° 9	5°39	n.a.	T 26
F 27	23 26 16	19°58'57	20°52	16°15	26°26	14° 5	17°25	27° 7	2°45	28°27	14° 0	12°42	12° 6	5°45	n.a.	F 27
S 28	23 30 13	20°59'29	2♉45	17°52	27°41	14°43	17°38	27° 8	2°44	28°29	14° 0	12°41	12° 2	5°52	n.a.	S 28
S 29	23 34 9	22° 0'03	14°35	19°30	28°56	15°22	17°51	27°10	2°44	28°31	14° 0	12°39	11°59	5°59	n.a.	S 29
M30	23 38 6	23♍ 0'38	26♉26	21♍ 7	0♍11	16♌ 0	18♍ 4	27♐11	2♊44	28♍34	13♑59	12♓38	11♓56	6♉ 5	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n48	17n56	4n15	20n23	1n15	22n26	0n46	22n17	1n14	8n28	1n16	24s22	0s30	21n 7	0n 3	2n52	2n 2	35s25	12s24	6s52	6s37	16n21		n.a.
M 2	13 27	22 12	4 48	20 16	1 25	22 15	0 49	22 9	1 15	8 23	1 16	24 22	0 30	21 7	0 3	2 51	2 2	35 25	12 24	6 52	6 38	16 24		n.a.
T 3	13 7	25 37	5 8	20 6	1 33	22 4	0 51	22 1	1 15	8 18	1 16	24 22	0 30	21 7	0 3	2 50	2 2	35 25	12 23	6 52	6 39	16 27		n.a.
W 4	12 46	27 56	5 16	19 52	1 40	21 51	0 54	21 53	1 15	8 13	1 15	24 22	0 30	21 8	0 3	2 49	2 2	35 25	12 23	6 52	6 41	16 30		n.a.
T 5	12 25	28 56	5 9	19 36	1 46	21 38	0 56	21 45	1 15	8 8	1 15	24 22	0 30	21 8	0 3	2 49	2 2	35 25	12 23	6 53	6 42	16 33		n.a.
F 6	12 4	28 27	4 47	19 16	1 51	21 24	0 58	21 37	1 16	8 3	1 15	24 22	0 30	21 8	0 3	2 48	2 2	35 25	12 23	6 53	6 43	16 36		n.a.
S 7	11 43	26 24	4 10	18 54	1 54	21 10	1 0	21 29	1 16	7 57	1 15	24 22	0 31	21 8	0 3	2 47	2 2	35 25	12 23	6 54	6 44	16 39		n.a.
S 8	11 21	22 50	3 18	18 30	1 57	20 55	1 2	21 20	1 16	7 52	1 15	24 22	0 31	21 8	0 3	2 46	2 2	35 25	12 23	6 55	6 46	16 41		n.a.
M 9	11 0	17 56	2 14	18 3	1 59	20 39	1 4	21 12	1 16	7 47	1 15	24 22	0 31	21 9	0 3	2 45	2 2	35 25	12 22	6 55	6 47	16 44		n.a.
T 10	10 38	11 57	1 0	17 35	2 0	20 23	1 6	21 3	1 16	7 42	1 15	24 22	0 31	21 9	0 3	2 44	2 2	35 25	12 22	6 55	6 48	16 47		n.a.
W11	10 16	5 14	0s20	17 4	2 0	20 6	1 8	20 54	1 17	7 37	1 15	24 22	0 31	21 9	0 3	2 43	2 2	35 24	12 22	6 56	6 49	16 50		n.a.
T 12	9 53	1s49	1 39	16 32	1 59	19 48	1 10	20 45	1 17	7 31	1 15	24 22	0 31	21 9	0 3	2 43	2 2	35 24	12 22	6 55	6 51	16 53		n.a.
F 13	9 31	8 48	2 52	15 58	1 58	19 30	1 12	20 35	1 17	7 26	1 15	24 22	0 31	21 9	0 3	2 42	2 2	35 24	12 22	6 55	6 52	16 56		n.a.
S 14	9 8	15 18	3 53	15 22	1 56	19 11	1 14	20 26	1 17	7 21	1 15	24 22	0 31	21 9	0 3	2 41	2 2	35 24	12 21	6 55	6 53	16 59		n.a.
S 15	8 45	20 55	4 40	14 46	1 54	18 52	1 15	20 16	1 17	7 16	1 15	24 22	0 31	21 9	0 3	2 40	2 2	35 24	12 21	6 55	6 54	17 1		n.a.
M16	8 23	25 15	5 8	14 8	1 51	18 32	1 17	20 7	1 18	7 10	1 15	24 22	0 31	21 9	0 3	2 39	2 2	35 24	12 21	6 55	6 56	17 4		n.a.
T 17	8 0	28 0	5 17	13 29	1 48	18 12	1 18	19 57	1 18	7 5	1 15	24 22	0 31	21 9	0 3	2 38	2 2	35 24	12 21	6 55	6 57	17 7		n.a.
W18	7 36	28 59	5 8	12 49	1 44	17 51	1 20	19 47	1 18	7 0	1 15	24 22	0 31	21 10	0 3	2 37	2 2	35 24	12 21	6 55	6 58	17 10		n.a.
T 19	7 13	28 10	4 42	12 9	1 40	17 29	1 21	19 37	1 18	6 55	1 15	24 22	0 31	21 10	0 3	2 36	2 2	35 23	12 20	6 55	6 59	17 13		n.a.
F 20	6 50	25 45	4 0	11 28	1 36	17 7	1 23	19 26	1 18	6 49	1 15	24 22	0 31	21 10	0 3	2 35	2 2	35 23	12 20	6 55	7 1	17 16		n.a.
S 21	6 26	21 59	3 7	10 46	1 31	16 45	1 24	19 16	1 19	6 44	1 15	24 22	0 31	21 10	0 4	2 35	2 2	35 23	12 20	6 55	7 2	17 18		n.a.
S 22	6 2	17 15	2 6	10 3	1 27	16 22	1 25	19 5	1 19	6 39	1 15	24 22	0 31	21 10	0 4	2 34	2 2	35 23	12 20	6 55	7 3	17 21		n.a.
M23	5 38	11 50	0 59	9 21	1 21	15 59	1 26	18 55	1 19	6 33	1 15	24 23	0 31	21 10	0 4	2 33	2 2	35 23	12 19	6 55	7 4	17 24		n.a.
T 24	5 15	6 3	0n10	8 37	1 16	15 35	1 27	18 44	1 19	6 28	1 15	24 23	0 31	21 10	0 4	2 32	2 2	35 23	12 19	6 55	7 5	17 27		n.a.
W25	4 51	0 7	1 17	7 54	1 11	15 10	1 28	18 33	1 19	6 23	1 15	24 23	0 31	21 10	0 4	2 31	2 2	35 22	12 19	6 55	7 7	17 30		n.a.
T 26	4 27	5n44	2 20	7 10	1 5	14 46	1 29	18 22	1 19	6 18	1 15	24 23	0 31	21 10	0 4	2 30	2 2	35 22	12 19	6 55	7 8	17 33		n.a.
F 27	4 2	11 19	3 16	6 26	0 59	14 20	1 30	18 11	1 20	6 12	1 15	24 23	0 31	21 10	0 4	2 29	2 2	35 22	12 18	6 55	7 9	17 35		n.a.
S 28	3 38	16 27	4 3	5 41	0 53	13 55	1 30	18 0	1 20	6 7	1 15	24 23	0 31	21 10	0 4	2 28	2 2	35 22	12 18	6 56	7 10	17 38		n.a.
S 29	3 14	20 57	4 39	4 57	0 47	13 29	1 31	17 48	1 20	6 2	1 15	24 23	0 31	21 10	0 4	2 27	2 2	35 22	12 18	6 56	7 12	17 41		n.a.
M30	2n49	24n38	5n 4	4n12	0n41	13n 2	1n31	17n37	1n20	5n56	1n15	24s23	0s31	21n 9	0n 4	2n26	2n 2	35s21	12s18	6s57	7s13	17n44		n.a.

Julian Day Number = 1114986.5, Delta T = 10h48m18s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'37, Lahiri = -26°51'36 Julian Calendar 1 Sept. 1661 BCE == Greg. Calendar 18 Aug. 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

OCTOBER 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 42 2	24♍ 1'16	8♊22	22♍44	1♍26	16♌39	18♍18	27♐13	2°R43	28♍36	13°R59	12°R37	11♓53	6♉12	n.a.	T 1
W 2	23 45 59	25° 1'56	20°27	24°20	2°41	17°17	18°31	27°15	2♊43	28°38	13♑59	12°D36	11°50	6°19	n.a.	W 2
T 3	23 49 56	26° 2'37	2♋45	25°56	3°57	17°56	18°44	27°16	2°42	28°40	13°58	12♓37	11°47	6°26	n.a.	T 3
F 4	23 53 52	27° 3'21	15°21	27°32	5°12	18°34	18°57	27°18	2°42	28°43	13°58	12°37	11°43	6°32	n.a.	F 4
S 5	23 57 49	28° 4'06	28°20	29° 8	6°27	19°13	19°11	27°20	2°41	28°45	13°58	12°38	11°40	6°39	n.a.	S 5
S 6	0 1 45	29° 4'53	11♌43	0♎43	7°42	19°51	19°24	27°22	2°40	28°47	13°58	12°40	11°37	6°46	n.a.	S 6
M 7	0 5 42	0♎ 5'42	25°33	2°18	8°58	20°30	19°37	27°25	2°40	28°50	13°58	12°41	11°34	6°52	n.a.	M 7
T 8	0 9 38	1° 6'33	9♍49	3°53	10°13	21° 8	19°50	27°27	2°39	28°52	13°58	12°R41	11°31	6°59	n.a.	T 8
W 9	0 13 35	2° 7'25	24°28	5°27	11°28	21°47	20° 3	27°29	2°38	28°54	13°57	12°41	11°27	7° 6	n.a.	W 9
T 10	0 17 31	3° 8'18	9♎23	7° 2	12°43	22°25	20°17	27°32	2°37	28°56	13°57	12°40	11°24	7°12	n.a.	T 10
F 11	0 21 28	4° 9'13	24°26	8°36	13°59	23° 4	20°30	27°35	2°36	28°59	13°57	12°37	11°21	7°19	n.a.	F 11
S 12	0 25 25	5°10'09	9♏28	10°10	15°14	23°42	20°43	27°37	2°35	29° 1	13°D57	12°34	11°18	7°26	n.a.	S 12
S 13	0 29 21	6°11'06	24°21	11°44	16°30	24°21	20°56	27°40	2°34	29° 3	13°57	12°31	11°15	7°32	n.a.	S 13
M14	0 33 18	7°12'05	8♐56	13°18	17°45	24°59	21° 9	27°43	2°33	29° 5	13°57	12°28	11°12	7°39	n.a.	M14
T 15	0 37 14	8°13'04	23°11	14°51	19° 1	25°38	21°22	27°46	2°32	29° 8	13°57	12°26	11° 8	7°46	n.a.	T 15
W16	0 41 11	9°14'05	7♑ 2	16°25	20°16	26°16	21°35	27°49	2°30	29°10	13°58	12°D25	11° 5	7°53	n.a.	W16
T 17	0 45 7	10°15'06	20°30	17°58	21°31	26°55	21°48	27°52	2°29	29°12	13°58	12°26	11° 2	7°59	n.a.	T 17
F 18	0 49 4	11°16'08	3♒36	19°31	22°47	27°33	22° 1	27°56	2°28	29°14	13°58	12°27	10°59	8° 6	n.a.	F 18
S 19	0 53 0	12°17'11	16°25	21° 4	24° 2	28°12	22°14	27°59	2°26	29°16	13°58	12°29	10°56	8°13	n.a.	S 19
S 20	0 56 57	13°18'15	28°58	22°37	25°18	28°50	22°27	28° 3	2°25	29°19	13°58	12°30	10°53	8°19	n.a.	S 20
M21	1 0 54	14°19'19	11♓18	24°10	26°33	29°29	22°40	28° 6	2°24	29°21	13°58	12°R31	10°49	8°26	n.a.	M21
T 22	1 4 50	15°20'25	23°29	25°43	27°49	0♍ 7	22°52	28°10	2°22	29°23	13°59	12°30	10°46	8°33	n.a.	T 22
W23	1 8 47	16°21'31	5♈33	27°15	29° 4	0°46	23° 5	28°14	2°21	29°25	13°59	12°28	10°43	8°40	n.a.	W23
T 24	1 12 43	17°22'38	17°30	28°48	0♎20	1°24	23°18	28°17	2°19	29°27	13°59	12°24	10°40	8°46	n.a.	T 24
F 25	1 16 40	18°23'46	29°24	0♏20	1°35	2° 3	23°31	28°21	2°17	29°30	14° 0	12°18	10°37	8°53	n.a.	F 25
S 26	1 20 36	19°24'55	11♉16	1°53	2°51	2°41	23°43	28°25	2°16	29°32	14° 0	12°11	10°33	9° 0	n.a.	S 26
S 27	1 24 33	20°26'05	23° 7	3°25	4° 7	3°20	23°56	28°29	2°14	29°34	14° 0	12° 3	10°30	9° 6	n.a.	S 27
M28	1 28 29	21°27'16	4♊59	4°57	5°22	3°58	24° 9	28°34	2°12	29°36	14° 1	11°56	10°27	9°13	n.a.	M28
T 29	1 32 26	22°28'28	16°56	6°28	6°38	4°37	24°21	28°38	2°10	29°38	14° 1	11°50	10°24	9°20	n.a.	T 29
W30	1 36 23	23°29'41	29° 0	8° 0	7°53	5°15	24°34	28°42	2° 9	29°40	14° 2	11°45	10°21	9°26	n.a.	W30
T 31	1 40 19	24♎30'55	11♋15	9♏31	9♎ 9	5♍54	24♍46	28♐47	2♊ 7	29♍42	14♑ 2	11♓42	10♓18	9♉33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	2n25	27n18	5n16	3n28	0n34	12n36	1n32	17n25	1n20	5n51	1n15	24s23	0s31	21n 9	0n 4	2n25	2n 2	35s21	12s17	6s57	7s14	17n46			n.a.
W 2	2 1	28 45	5 14	2 43	0 28	12 8	1 32	17 13	1 20	5 46	1 15	24 23	0 31	21 9	0 4	2 25	2 2	35 21	12 17	6 57	7 15	17 49			n.a.
T 3	1 36	28 49	4 57	1 58	0 22	11 41	1 33	17 1	1 21	5 41	1 15	24 23	0 31	21 9	0 4	2 24	2 2	35 21	12 17	6 57	7 17	17 52			n.a.
F 4	1 12	27 24	4 26	1 14	0 15	11 13	1 33	16 49	1 21	5 35	1 15	24 23	0 31	21 9	0 4	2 23	2 2	35 21	12 17	6 57	7 18	17 55			n.a.
S 5	0 47	24 30	3 41	0 29	0 9	10 45	1 33	16 37	1 21	5 30	1 15	24 23	0 32	21 9	0 4	2 22	2 2	35 20	12 16	6 56	7 19	17 58			n.a.
S 6	0 22	20 12	2 43	0s15	0 2	10 17	1 33	16 25	1 21	5 25	1 15	24 23	0 32	21 9	0 4	2 21	2 2	35 20	12 16	6 56	7 20	18 0			n.a.
M 7	0s 2	14 42	1 33	1 0	0s 4	9 48	1 33	16 13	1 21	5 19	1 15	24 23	0 32	21 9	0 4	2 20	2 2	35 20	12 16	6 55	7 22	18 3			n.a.
T 8	0 27	8 16	0 16	1 44	0 11	9 19	1 33	16 0	1 21	5 14	1 15	24 24	0 32	21 9	0 4	2 19	2 2	35 20	12 16	6 55	7 23	18 6			n.a.
W 9	0 52	1 15	1s 5	2 28	0 17	8 50	1 33	15 48	1 21	5 9	1 15	24 24	0 32	21 8	0 4	2 18	2 2	35 19	12 15	6 55	7 24	18 9			n.a.
T 10	1 16	5s57	2 22	3 12	0 24	8 20	1 33	15 35	1 22	5 4	1 15	24 24	0 32	21 8	0 4	2 17	2 2	35 19	12 15	6 56	7 25	18 11			n.a.
F 11	1 41	12 53	3 30	3 56	0 30	7 50	1 33	15 22	1 22	4 58	1 15	24 24	0 32	21 8	0 4	2 16	2 2	35 19	12 15	6 57	7 26	18 14			n.a.
S 12	2 5	19 4	4 24	4 39	0 36	7 21	1 33	15 9	1 22	4 53	1 15	24 24	0 32	21 8	0 4	2 15	2 2	35 19	12 15	6 58	7 28	18 17			n.a.
S 13	2 30	24 2	4 59	5 22	0 43	6 50	1 32	14 56	1 22	4 48	1 15	24 24	0 32	21 8	0 4	2 15	2 2	35 18	12 14	6 59	7 29	18 19			n.a.
M14	2 55	27 22	5 14	6 5	0 49	6 20	1 32	14 43	1 22	4 43	1 15	24 24	0 32	21 7	0 4	2 14	2 2	35 18	12 14	7 0	7 30	18 22			n.a.
T 15	3 19	28 51	5 9	6 48	0 55	5 49	1 31	14 30	1 22	4 38	1 15	24 24	0 32	21 7	0 4	2 13	2 2	35 18	12 14	7 1	7 31	18 25			n.a.
W16	3 44	28 27	4 46	7 30	1 1	5 19	1 31	14 17	1 22	4 32	1 15	24 24	0 32	21 7	0 4	2 12	2 2	35 18	12 14	7 2	7 33	18 28			n.a.
T 17	4 8	26 22	4 8	8 12	1 7	4 48	1 30	14 4	1 22	4 27	1 15	24 24	0 32	21 7	0 4	2 11	2 2	35 17	12 13	7 1	7 34	18 30			n.a.
F 18	4 32	22 54	3 17	8 53	1 12	4 17	1 29	13 50	1 22	4 22	1 15	24 24	0 32	21 7	0 4	2 10	2 2	35 17	12 13	7 1	7 35	18 33			n.a.
S 19	4 57	18 24	2 18	9 34	1 18	3 46	1 29	13 37	1 23	4 17	1 15	24 24	0 32	21 6	0 4	2 9	2 2	35 17	12 13	7 0	7 36	18 36			n.a.
S 20	5 21	13 12	1 14	10 15	1 24	3 15	1 28	13 23	1 23	4 12	1 15	24 25	0 32	21 6	0 4	2 8	2 2	35 16	12 13	7 0	7 37	18 38			n.a.
M21	5 45	7 34	0 7	10 55	1 29	2 43	1 27	13 10	1 23	4 7	1 15	24 25	0 32	21 6	0 4	2 7	2 2	35 16	12 12	6 59	7 39	18 41			n.a.
T 22	6 9	1 43	1n 0	11 34	1 34	2 12	1 26	12 56	1 23	4 1	1 15	24 25	0 32	21 5	0 4	2 7	2 2	35 16	12 12	7 0	7 40	18 44			n.a.
W23	6 33	4n 6	2 2	12 13	1 39	1 40	1 25	12 42	1 23	3 56	1 15	24 25	0 32	21 5	0 4	2 6	2 2	35 16	12 12	7 0	7 41	18 46			n.a.
T 24	6 57	9 45	2 59	12 52	1 43	1 9	1 24	12 28	1 23	3 51	1 15	24 25	0 32	21 5	0 4	2 5	2 2	35 15	12 11	7 2	7 42	18 49			n.a.
F 25	7 21	15 0	3 48	13 29	1 48	0 37	1 23	12 14	1 23	3 46	1 15	24 25	0 32	21 5	0 4	2 4	2 2	35 15	12 11	7 4	7 44	18 52			n.a.
S 26	7 44	19 41	4 26	14 6	1 52	0 5	1 22	12 0	1 23	3 41	1 15	24 25	0 32	21 4	0 4	2 3	2 2	35 15	12 11	7 7	7 45	18 54			n.a.
S 27	8 8	23 37	4 53	14 42	1 56	0s26	1 20	11 46	1 23	3 36	1 15	24 25	0 32	21 4	0 4	2 2	2 2	35 14	12 11	7 10	7 46	18 57			n.a.
M28	8 31	26 33	5 7	15 17	2 0	0 58	1 19	11 32	1 23	3 31	1 15	24 25	0 32	21 4	0 4	2 1	2 2	35 14	12 10	7 13	7 47	19 0			n.a.
T 29	8 54	28 21	5 8	15 52	2 3	1 30	1 18	11 17	1 23	3 26	1 15	24 25	0 32	21 3	0 4	2 1	2 2	35 14	12 10	7 15	7 49	19 2			n.a.
W30	9 17	28 49	4 55	16 25	2 6	2 1	1 16	11 3	1 24	3 21	1 15	24 25	0 32	21 3	0 4	2 0	2 2	35 13	12 10	7 17	7 50	19 5			n.a.
T 31	9s40	27n53	4n29	16s58	2s 9	2s33	1n15	10n49	1n24	3n16	1n16	24s25	0s32	21n 2	0n 4	1n59	2n 2	35s13	12s10	7s19	7s51	19n 8			n.a.

Julian Day Number = 1115016.5, Delta T = 10h48m16s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'33, Lahiri = -26°51'32 Julian Calendar 1 Oct. 1661 BCE == Greg. Calendar 17 Sept. 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

NOVEMBER 1661 BCE (-1660) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 44 16	25♎32'10	23♋46	11♏ 1	10♎24	6♍32	24♍58	28♐51	2°R 5	29♍44	14♑ 3	11°D40	10♓14	9♉40	n.a.	F 1
S 2	1 48 12	26°33'25	6♌36	12°31	11°40	7°11	25°11	28°56	2♊ 3	29°46	14° 3	11♓41	10°11	9°47	n.a.	S 2
S 3	1 52 9	27°34'42	19°50	14° 1	12°56	7°50	25°23	29° 0	2° 1	29°49	14° 4	11°42	10° 8	9°53	n.a.	S 3
M 4	1 56 5	28°35'59	3♍31	15°29	14°11	8°28	25°35	29° 5	1°59	29°51	14° 4	11°43	10° 5	10° 0	n.a.	M 4
T 5	2 0 2	29°37'17	17°40	16°57	15°27	9° 7	25°47	29°10	1°57	29°53	14° 5	11°R43	10° 2	10° 7	n.a.	T 5
W 6	2 3 59	0♏38'36	2♎17	18°23	16°42	9°45	25°59	29°15	1°55	29°55	14° 5	11°42	9°58	10°13	n.a.	W 6
T 7	2 7 55	1°39'55	17°17	19°48	17°58	10°24	26°11	29°20	1°52	29°57	14° 6	11°38	9°55	10°20	n.a.	T 7
F 8	2 11 52	2°41'14	2♏32	21°11	19°13	11° 2	26°23	29°25	1°50	29°59	14° 7	11°31	9°52	10°27	n.a.	F 8
S 9	2 15 48	3°42'34	17°52	22°32	20°29	11°41	26°35	29°30	1°48	0♎ 1	14° 7	11°23	9°49	10°33	n.a.	S 9
S 10	2 19 45	4°43'54	3♐ 5	23°51	21°45	12°19	26°47	29°35	1°46	0° 3	14° 8	11°15	9°46	10°40	n.a.	S 10
M11	2 23 41	5°45'15	18° 1	25° 8	23° 0	12°58	26°59	29°40	1°44	0° 4	14° 9	11° 6	9°43	10°47	n.a.	M11
T 12	2 27 38	6°46'35	2♑32	26°21	24°16	13°36	27°11	29°46	1°41	0° 6	14°10	11° 0	9°39	10°54	n.a.	T 12
W13	2 31 35	7°47'55	16°34	27°30	25°31	14°15	27°22	29°51	1°39	0° 8	14°11	10°55	9°36	11° 0	n.a.	W13
T 14	2 35 31	8°49'15	0♒ 8	28°35	26°47	14°53	27°34	29°57	1°37	0°10	14°11	10°53	9°33	11° 7	n.a.	T 14
F 15	2 39 28	9°50'35	13°15	29°35	28° 2	15°32	27°45	0♑ 2	1°34	0°12	14°12	10°D53	9°30	11°14	n.a.	F 15
S 16	2 43 24	10°51'54	25°58	0♐29	29°18	16°10	27°57	0° 8	1°32	0°14	14°13	10°53	9°27	11°20	n.a.	S 16
S 17	2 47 21	11°53'13	8♓23	1°16	0♏34	16°49	28° 8	0°14	1°30	0°16	14°14	10°R54	9°24	11°27	n.a.	S 17
M18	2 51 17	12°54'32	20°33	1°56	1°49	17°27	28°20	0°19	1°27	0°17	14°15	10°54	9°20	11°34	n.a.	M18
T 19	2 55 14	13°55'51	2♈34	2°27	3° 5	18° 6	28°31	0°25	1°25	0°19	14°16	10°51	9°17	11°41	n.a.	T 19
W20	2 59 10	14°57'09	14°29	2°49	4°20	18°44	28°42	0°31	1°22	0°21	14°17	10°46	9°14	11°47	n.a.	W20
T 21	3 3 7	15°58'26	26°21	3° 1	5°36	19°23	28°53	0°37	1°20	0°23	14°18	10°38	9°11	11°54	n.a.	T 21
F 22	3 7 4	16°59'44	8♉12	3°R 2	6°51	20° 1	29° 4	0°43	1°17	0°24	14°19	10°27	9° 8	12° 1	n.a.	F 22
S 23	3 11 0	18° 1'01	20° 4	2°52	8° 7	20°40	29°15	0°49	1°15	0°26	14°20	10°14	9° 4	12° 7	n.a.	S 23
S 24	3 14 57	19° 2'18	1♊58	2°29	9°22	21°18	29°26	0°55	1°12	0°28	14°21	10° 1	9° 1	12°14	n.a.	S 24
M25	3 18 53	20° 3'35	13°56	1°55	10°37	21°57	29°36	1° 1	1°10	0°29	14°22	9°47	8°58	12°21	n.a.	M25
T 26	3 22 50	21° 4'51	25°59	1°10	11°53	22°35	29°47	1° 7	1° 7	0°31	14°23	9°35	8°55	12°28	n.a.	T 26
W27	3 26 46	22° 6'07	8♋ 8	0°14	13° 8	23°14	29°57	1°13	1° 5	0°33	14°24	9°25	8°52	12°34	n.a.	W27
T 28	3 30 43	23° 7'23	20°27	29♏ 9	14°24	23°52	0♎ 8	1°20	1° 2	0°34	14°25	9°17	8°49	12°41	n.a.	T 28
F 29	3 34 40	24° 8'39	2♌58	27°57	15°39	24°31	0°18	1°26	0°59	0°36	14°26	9°13	8°45	12°48	n.a.	F 29
S 30	3 38 36	25♏ 9'54	15♌44	26♏40	16♏55	25♍ 9	0♎28	1♑32	0♊57	0♎37	14♑27	9♓11	8♓42	12♉54	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10s 3	25n32	3n50	17s29	2s11	3s 5	1n13	10n34	1n24	3n11	1n16	24s26	0s32	21n 2	0n 4	1n58	2n 2	35s13	12s 9	7s19	7s52	19n10		n.a.
S 2	10 26	21 51	2 58	17 59	2 13	3 36	1 12	10 20	1 24	3 6	1 16	24 26	0 32	21 2	0 4	1 57	2 2	35 12	12 9	7 19	7 53	19 13		n.a.
S 3	10 48	16 58	1 55	18 29	2 14	4 8	1 10	10 5	1 24	3 1	1 16	24 26	0 32	21 1	0 4	1 57	2 2	35 12	12 9	7 18	7 55	19 16		n.a.
M 4	11 11	11 5	0 44	18 56	2 15	4 39	1 8	9 50	1 24	2 57	1 16	24 26	0 32	21 1	0 4	1 56	2 2	35 12	12 9	7 18	7 56	19 18		n.a.
T 5	11 33	4 28	0s32	19 23	2 16	5 10	1 7	9 36	1 24	2 52	1 16	24 26	0 33	21 0	0 4	1 55	2 2	35 12	12 8	7 18	7 57	19 21		n.a.
W 6	11 55	2s35	1 48	19 47	2 15	5 41	1 5	9 21	1 24	2 47	1 16	24 26	0 33	21 0	0 4	1 54	2 2	35 11	12 8	7 18	7 58	19 23		n.a.
T 7	12 16	9 40	2 59	20 10	2 15	6 13	1 3	9 6	1 24	2 42	1 16	24 26	0 33	21 0	0 4	1 53	2 2	35 11	12 8	7 20	8 0	19 26		n.a.
F 8	12 38	16 18	3 58	20 32	2 13	6 43	1 1	8 51	1 24	2 37	1 16	24 26	0 33	20 59	0 4	1 53	2 3	35 11	12 8	7 23	8 1	19 29		n.a.
S 9	12 59	21 57	4 41	20 51	2 11	7 14	0 59	8 36	1 24	2 33	1 16	24 26	0 33	20 59	0 4	1 52	2 3	35 10	12 7	7 26	8 2	19 31		n.a.
S 10	13 20	26 7	5 3	21 9	2 8	7 45	0 57	8 21	1 24	2 28	1 16	24 26	0 33	20 58	0 4	1 51	2 3	35 10	12 7	7 29	8 3	19 34		n.a.
M11	13 41	28 22	5 3	21 25	2 4	8 15	0 55	8 6	1 24	2 23	1 16	24 26	0 33	20 58	0 4	1 50	2 3	35 10	12 7	7 32	8 4	19 36		n.a.
T 12	14 2	28 36	4 45	21 38	1 59	8 45	0 53	7 51	1 24	2 18	1 17	24 26	0 33	20 57	0 4	1 50	2 3	35 9	12 7	7 35	8 6	19 39		n.a.
W13	14 22	26 57	4 9	21 49	1 54	9 15	0 51	7 36	1 24	2 14	1 17	24 26	0 33	20 57	0 4	1 49	2 3	35 9	12 6	7 36	8 7	19 42		n.a.
T 14	14 42	23 45	3 20	21 57	1 47	9 45	0 49	7 21	1 24	2 9	1 17	24 26	0 33	20 57	0 4	1 48	2 3	35 9	12 6	7 37	8 8	19 44		n.a.
F 15	15 2	19 26	2 22	22 3	1 39	10 15	0 47	7 6	1 24	2 5	1 17	24 26	0 33	20 56	0 4	1 47	2 3	35 8	12 6	7 37	8 9	19 47		n.a.
S 16	15 22	14 20	1 19	22 6	1 30	10 44	0 45	6 50	1 24	2 0	1 17	24 26	0 33	20 56	0 4	1 47	2 3	35 8	12 6	7 37	8 10	19 49		n.a.
S 17	15 41	8 47	0 13	22 6	1 20	11 13	0 43	6 35	1 24	1 56	1 17	24 26	0 33	20 55	0 4	1 46	2 3	35 8	12 6	7 37	8 12	19 52		n.a.
M18	16 0	3 2	0n51	22 3	1 8	11 42	0 41	6 20	1 24	1 51	1 17	24 26	0 33	20 55	0 4	1 45	2 3	35 7	12 5	7 37	8 13	19 54		n.a.
T 19	16 19	2n46	1 53	21 57	0 55	12 10	0 38	6 5	1 24	1 47	1 17	24 26	0 33	20 54	0 4	1 45	2 3	35 7	12 5	7 38	8 14	19 57		n.a.
W20	16 38	8 24	2 49	21 47	0 41	12 38	0 36	5 49	1 24	1 42	1 17	24 26	0 33	20 54	0 4	1 44	2 3	35 7	12 5	7 40	8 15	19 59		n.a.
T 21	16 56	13 43	3 37	21 34	0 25	13 6	0 34	5 34	1 24	1 38	1 17	24 26	0 33	20 53	0 4	1 43	2 3	35 6	12 5	7 43	8 17	20 2		n.a.
F 22	17 14	18 31	4 15	21 18	0 8	13 34	0 32	5 18	1 24	1 34	1 18	24 26	0 33	20 53	0 4	1 43	2 3	35 6	12 4	7 47	8 18	20 4		n.a.
S 23	17 31	22 37	4 43	20 58	0n 9	14 1	0 29	5 3	1 24	1 29	1 18	24 26	0 33	20 52	0 4	1 42	2 3	35 6	12 4	7 52	8 19	20 7		n.a.
S 24	17 48	25 48	4 58	20 35	0 28	14 28	0 27	4 47	1 24	1 25	1 18	24 27	0 33	20 52	0 4	1 41	2 3	35 5	12 4	7 58	8 20	20 9		n.a.
M25	18 5	27 52	5 0	20 9	0 48	14 54	0 25	4 32	1 24	1 21	1 18	24 26	0 33	20 51	0 4	1 41	2 3	35 5	12 4	8 3	8 21	20 12		n.a.
T 26	18 22	28 38	4 49	19 40	1 8	15 20	0 22	4 16	1 24	1 17	1 18	24 26	0 33	20 50	0 4	1 40	2 3	35 5	12 4	8 7	8 23	20 14		n.a.
W27	18 38	28 2	4 25	19 9	1 28	15 46	0 20	4 1	1 24	1 13	1 18	24 26	0 33	20 50	0 4	1 40	2 3	35 4	12 3	8 11	8 24	20 17		n.a.
T 28	18 54	26 3	3 48	18 36	1 47	16 11	0 18	3 45	1 24	1 9	1 18	24 26	0 33	20 49	0 4	1 39	2 3	35 4	12 3	8 14	8 25	20 19		n.a.
F 29	19 10	22 46	2 59	18 2	2 6	16 36	0 15	3 30	1 24	1 4	1 19	24 26	0 33	20 49	0 4	1 39	2 4	35 4	12 3	8 16	8 26	20 22		n.a.
S 30	19s25	18n20	2n 1	17s28	2n23	17s 0	0n13	3n14	1n24	1n 0	1n19	24s26	0s34	20n48	0n 4	1n38	2n 4	35s 3	12s 3	8s17	8s27	20n24		n.a.

Julian Day Number = 1115047.5, Delta T = 10h48m14s
Ecliptic obliquity = 23°53'27, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'28, Lahiri = -26°51'28 Julian Calendar 1 Nov. 1661 BCE == Greg. Calendar 18 Oct. 1661 BCE

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ASTRODIENST EPHEMERIS for the year 1661 BCE
geocentric

DECEMBER 1661 BCE (-1660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 42 33	26♏11'09	28♌51	25°R21	18♏10	25♍47	0♎38	1♑39	0°R54	0♎39	14♑29	9°D11	8♓39	13♉ 1	n.a.	S 1
M 2	3 46 29	27°12'24	12♍20	24♏ 2	19°25	26°26	0°48	1°45	0♊52	0°40	14°30	9°R11	8°36	13° 8	n.a.	M 2
T 3	3 50 26	28°13'38	26°16	22°46	20°41	27° 4	0°58	1°52	0°49	0°41	14°31	9♓10	8°33	13°14	n.a.	T 3
W 4	3 54 22	29°14'52	10♎38	21°34	21°56	27°43	1° 8	1°59	0°46	0°43	14°32	9° 7	8°30	13°21	n.a.	W 4
T 5	3 58 19	0♐16'05	25°25	20°29	23°12	28°21	1°18	2° 5	0°44	0°44	14°34	9° 1	8°26	13°28	n.a.	T 5
F 6	4 2 15	1°17'18	10♏31	19°32	24°27	28°59	1°27	2°12	0°41	0°46	14°35	8°53	8°23	13°35	n.a.	F 6
S 7	4 6 12	2°18'30	25°48	18°43	25°42	29°38	1°37	2°19	0°39	0°47	14°36	8°42	8°20	13°41	n.a.	S 7
S 8	4 10 9	3°19'41	11♐ 4	18° 4	26°58	0♎16	1°46	2°25	0°36	0°48	14°37	8°30	8°17	13°48	n.a.	S 8
M 9	4 14 5	4°20'52	26° 8	17°34	28°13	0°55	1°56	2°32	0°33	0°49	14°39	8°18	8°14	13°55	n.a.	M 9
T 10	4 18 2	5°22'01	10♑50	17°13	29°28	1°33	2° 5	2°39	0°31	0°51	14°40	8° 8	8°10	14° 1	n.a.	T 10
W11	4 21 58	6°23'09	25° 5	17° 2	0♐44	2°11	2°14	2°46	0°28	0°52	14°41	8° 1	8° 7	14° 8	n.a.	W11
T 12	4 25 55	7°24'16	8♒48	16°D59	1°59	2°50	2°23	2°53	0°25	0°53	14°43	7°56	8° 4	14°15	n.a.	T 12
F 13	4 29 51	8°25'22	22° 2	17° 3	3°14	3°28	2°32	3° 0	0°23	0°54	14°44	7°54	8° 1	14°22	n.a.	F 13
S 14	4 33 48	9°26'26	4♓50	17°16	4°30	4° 6	2°40	3° 7	0°20	0°55	14°46	7°54	7°58	14°28	n.a.	S 14
S 15	4 37 45	10°27'29	17°16	17°35	5°45	4°44	2°49	3°14	0°18	0°56	14°47	7°54	7°55	14°35	n.a.	S 15
M16	4 41 41	11°28'30	29°26	18° 0	7° 0	5°23	2°57	3°21	0°15	0°57	14°48	7°53	7°51	14°42	n.a.	M16
T 17	4 45 38	12°29'30	11♈24	18°31	8°15	6° 1	3° 6	3°28	0°13	0°58	14°50	7°50	7°48	14°48	n.a.	T 17
W18	4 49 34	13°30'28	23°15	19° 7	9°30	6°39	3°14	3°35	0°10	0°59	14°51	7°45	7°45	14°55	n.a.	W18
T 19	4 53 31	14°31'25	5♉ 5	19°48	10°46	7°17	3°22	3°42	0° 8	1° 0	14°53	7°36	7°42	15° 2	n.a.	T 19
F 20	4 57 27	15°32'20	16°56	20°34	12° 1	7°55	3°30	3°49	0° 5	1° 1	14°54	7°25	7°39	15° 9	n.a.	F 20
S 21	5 1 24	16°33'14	28°50	21°23	13°16	8°34	3°37	3°56	0° 3	1° 2	14°56	7°11	7°36	15°15	n.a.	S 21
S 22	5 5 20	17°34'07	10♊50	22°16	14°31	9°12	3°45	4° 3	0° 0	1° 3	14°57	6°57	7°32	15°22	n.a.	S 22
M23	5 9 17	18°34'58	22°56	23°12	15°46	9°50	3°53	4°10	29♉58	1° 4	14°59	6°42	7°29	15°29	n.a.	M23
T 24	5 13 14	19°35'48	5♋10	24°11	17° 1	10°28	4° 0	4°18	29°55	1° 5	15° 0	6°29	7°26	15°35	n.a.	T 24
W25	5 17 10	20°36'37	17°31	25°13	18°16	11° 6	4° 7	4°25	29°53	1° 5	15° 2	6°18	7°23	15°42	n.a.	W25
T 26	5 21 7	21°37'24	0♌ 2	26°18	19°32	11°44	4°14	4°32	29°50	1° 6	15° 3	6°10	7°20	15°49	n.a.	T 26
F 27	5 25 3	22°38'10	12°44	27°24	20°47	12°22	4°21	4°39	29°48	1° 7	15° 5	6° 5	7°16	15°56	n.a.	F 27
S 28	5 29 0	23°38'54	25°38	28°33	22° 2	13° 0	4°28	4°47	29°46	1° 7	15° 6	6° 3	7°13	16° 2	n.a.	S 28
S 29	5 32 56	24°39'37	8♍47	29°44	23°17	13°38	4°35	4°54	29°43	1° 8	15° 8	6°D 3	7°10	16° 9	n.a.	S 29
M30	5 36 53	25°40'19	22°13	0♐56	24°32	14°16	4°41	5° 1	29°41	1° 9	15°10	6°R 3	7° 7	16°16	n.a.	M30
T 31	5 40 50	26♐40'59	6♎ 0	2♐11	25♐47	14♎54	4♎48	5♑ 9	29♉39	1♎ 9	15♑11	6♓ 3	7♓ 4	16♉22	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	19s40	12n57	0n54	16s54	2n38	17s24	0n11	2n59	1n23	0n56	1n19	24s26	0s34	20n48	0n 4	1n37	2n 4	35s 3	12s 3	8s17	8s29	20n27			n.a.
M 2	19 54	6 48	0s17	16 22	2 52	17 47	0 8	2 43	1 23	0 53	1 19	24 26	0 34	20 47	0 4	1 37	2 4	35 3	12 2	8 17	8 30	20 29			n.a.
T 3	20 8	0 9	1 29	15 52	3 3	18 10	0 6	2 27	1 23	0 49	1 19	24 26	0 34	20 47	0 4	1 36	2 4	35 2	12 2	8 17	8 31	20 32			n.a.
W 4	20 22	6s42	2 38	15 25	3 11	18 32	0 3	2 12	1 23	0 45	1 19	24 26	0 34	20 46	0 4	1 36	2 4	35 2	12 2	8 18	8 32	20 34			n.a.
T 5	20 35	13 23	3 38	15 2	3 18	18 54	0 1	1 56	1 23	0 41	1 19	24 26	0 34	20 46	0 4	1 35	2 4	35 2	12 2	8 20	8 34	20 37			n.a.
F 6	20 48	19 26	4 24	14 43	3 22	19 16	0s 1	1 40	1 23	0 37	1 20	24 26	0 34	20 45	0 4	1 35	2 4	35 1	12 2	8 24	8 35	20 39			n.a.
S 7	21 1	24 18	4 52	14 27	3 24	19 37	0 4	1 25	1 23	0 34	1 20	24 26	0 34	20 45	0 5	1 34	2 4	35 1	12 2	8 28	8 36	20 42			n.a.
S 8	21 13	27 28	5 0	14 16	3 24	19 57	0 6	1 9	1 23	0 30	1 20	24 26	0 34	20 44	0 5	1 34	2 4	35 1	12 1	8 32	8 37	20 44			n.a.
M 9	21 25	28 36	4 46	14 10	3 22	20 17	0 9	0 53	1 23	0 26	1 20	24 26	0 34	20 43	0 5	1 33	2 4	35 0	12 1	8 37	8 38	20 47			n.a.
T 10	21 36	27 38	4 13	14 7	3 19	20 36	0 11	0 38	1 22	0 23	1 20	24 26	0 34	20 43	0 5	1 33	2 4	35 0	12 1	8 40	8 40	20 49			n.a.
W11	21 47	24 53	3 25	14 8	3 14	20 54	0 13	0 22	1 22	0 19	1 20	24 26	0 34	20 42	0 5	1 33	2 4	35 0	12 1	8 43	8 41	20 51			n.a.
T 12	21 57	20 45	2 27	14 13	3 9	21 12	0 16	0 7	1 22	0 16	1 20	24 26	0 34	20 42	0 5	1 32	2 4	35 0	12 1	8 45	8 42	20 54			n.a.
F 13	22 7	15 44	1 23	14 20	3 2	21 30	0 18	0s 9	1 22	0 12	1 21	24 26	0 34	20 41	0 5	1 32	2 4	34 59	12 1	8 46	8 43	20 56			n.a.
S 14	22 17	10 10	0 16	14 31	2 55	21 46	0 20	0 25	1 22	0 9	1 21	24 25	0 34	20 41	0 5	1 31	2 4	34 59	12 1	8 46	8 44	20 59			n.a.
S 15	22 26	4 22	0n49	14 44	2 47	22 2	0 22	0 40	1 22	0 6	1 21	24 25	0 34	20 40	0 5	1 31	2 5	34 59	12 1	8 46	8 46	21 1			n.a.
M16	22 35	1n28	1 51	14 59	2 39	22 18	0 25	0 56	1 22	0 2	1 21	24 25	0 34	20 40	0 5	1 31	2 5	34 58	12 0	8 46	8 47	21 3			n.a.
T 17	22 43	7 8	2 47	15 16	2 30	22 32	0 27	1 11	1 21	0s 1	1 21	24 25	0 34	20 39	0 5	1 30	2 5	34 58	12 0	8 47	8 48	21 6			n.a.
W18	22 51	12 31	3 35	15 35	2 21	22 47	0 29	1 27	1 21	0 4	1 22	24 25	0 34	20 39	0 5	1 30	2 5	34 58	12 0	8 49	8 49	21 8			n.a.
T 19	22 58	17 26	4 13	15 55	2 11	23 0	0 31	1 43	1 21	0 7	1 22	24 25	0 35	20 38	0 5	1 30	2 5	34 57	12 0	8 53	8 50	21 11			n.a.
F 20	23 5	21 41	4 41	16 16	2 2	23 13	0 34	1 58	1 21	0 10	1 22	24 25	0 35	20 38	0 5	1 29	2 5	34 57	12 0	8 57	8 52	21 13			n.a.
S 21	23 12	25 5	4 56	16 38	1 53	23 25	0 36	2 14	1 21	0 13	1 22	24 24	0 35	20 37	0 5	1 29	2 5	34 57	12 0	9 2	8 53	21 15			n.a.
S 22	23 18	27 25	4 59	17 1	1 43	23 36	0 38	2 29	1 20	0 16	1 22	24 24	0 35	20 36	0 5	1 29	2 5	34 57	12 0	9 8	8 54	21 18			n.a.
M23	23 23	28 29	4 48	17 25	1 33	23 47	0 40	2 45	1 20	0 19	1 22	24 24	0 35	20 36	0 5	1 29	2 5	34 56	12 0	9 13	8 55	21 20			n.a.
T 24	23 28	28 11	4 23	17 49	1 24	23 56	0 42	3 0	1 20	0 22	1 23	24 24	0 35	20 35	0 5	1 28	2 5	34 56	12 0	9 18	8 56	21 22			n.a.
W25	23 33	26 28	3 47	18 14	1 14	24 6	0 44	3 15	1 20	0 24	1 23	24 24	0 35	20 35	0 5	1 28	2 5	34 56	11 59	9 22	8 58	21 25			n.a.
T 26	23 37	23 25	2 58	18 38	1 5	24 14	0 46	3 31	1 19	0 27	1 23	24 24	0 35	20 34	0 5	1 28	2 5	34 55	11 59	9 25	8 59	21 27			n.a.
F 27	23 41	19 13	2 0	19 3	0 56	24 22	0 48	3 46	1 19	0 30	1 23	24 23	0 35	20 34	0 5	1 28	2 5	34 55	11 59	9 27	9 0	21 29			n.a.
S 28	23 44	14 5	0 55	19 28	0 46	24 29	0 50	4 1	1 19	0 32	1 23	24 23	0 35	20 33	0 5	1 27	2 5	34 55	11 59	9 28	9 1	21 32			n.a.
S 29	23 47	8 12	0s15	19 52	0 37	24 35	0 52	4 17	1 18	0 35	1 24	24 23	0 35	20 33	0 5	1 27	2 5	34 55	11 59	9 28	9 2	21 34			n.a.
M30	23 49	1 51	1 25	20 16	0 28	24 40	0 54	4 32	1 18	0 37	1 24	24 23	0 35	20 32	0 5	1 27	2 6	34 54	11 59	9 28	9 4	21 36			n.a.
T 31	23s51	4s44	2s32	20s40	0n20	24s45	0s55	4s47	1n18	0s39	1n24	24s23	0s35	20n32	0n 5	1n27	2n 6	34s54	11s59	9s28	9s 5	21n39			n.a.

Julian Day Number = 1115077.5, Delta T = 10h48m12s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'24, Lahiri = -26°51'24 Julian Calendar 1 Dec. 1661 BCE == Greg. Calendar 17 Nov. 1661 BCE

The year -1660 astronomical counting style corresponds to year 1661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

JANUARY 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 44 46	27♐41'38	20♎ 7	3♐27	27♐ 2	15♎32	4♎54	5♑16	29°R37	1♎10	15♑13	6°R 1	7♓ 1	16♉29	n.a.	W 1
T 2	5 48 43	28°42'16	4♏35	4°44	28°17	16°10	5° 0	5°23	29♉34	1°10	15°14	5♓56	6°57	16°36	n.a.	T 2
F 3	5 52 39	29°42'52	19°19	6° 3	29°32	16°48	5° 6	5°31	29°32	1°11	15°16	5°49	6°54	16°43	n.a.	F 3
S 4	5 56 36	0♑43'27	4♐15	7°23	0♑47	17°26	5°11	5°38	29°30	1°11	15°18	5°40	6°51	16°49	n.a.	S 4
S 5	6 0 32	1°44'00	19°14	8°45	2° 2	18° 4	5°17	5°45	29°28	1°11	15°19	5°30	6°48	16°56	n.a.	S 5
M 6	6 4 29	2°44'32	4♑ 7	10° 7	3°17	18°42	5°22	5°53	29°26	1°12	15°21	5°20	6°45	17° 3	n.a.	M 6
T 7	6 8 25	3°45'01	18°43	11°31	4°32	19°19	5°28	6° 0	29°24	1°12	15°23	5°11	6°42	17°10	n.a.	T 7
W 8	6 12 22	4°45'29	2♒57	12°56	5°47	19°57	5°33	6° 8	29°22	1°12	15°24	5° 5	6°38	17°16	n.a.	W 8
T 9	6 16 19	5°45'55	16°45	14°23	7° 2	20°35	5°38	6°15	29°20	1°13	15°26	5° 1	6°35	17°23	n.a.	T 9
F 10	6 20 15	6°46'19	0♓ 4	15°50	8°17	21°13	5°42	6°22	29°18	1°13	15°27	4°D59	6°32	17°30	n.a.	F 10
S 11	6 24 12	7°46'40	12°58	17°18	9°31	21°50	5°47	6°30	29°16	1°13	15°29	4°59	6°29	17°36	n.a.	S 11
S 12	6 28 8	8°46'59	25°29	18°48	10°46	22°28	5°51	6°37	29°14	1°13	15°31	5° 0	6°26	17°43	n.a.	S 12
M13	6 32 5	9°47'16	7♈43	20°18	12° 1	23° 6	5°56	6°45	29°12	1°13	15°32	5°R 1	6°22	17°50	n.a.	M13
T 14	6 36 1	10°47'31	19°44	21°50	13°16	23°43	6° 0	6°52	29°11	1°13	15°34	5° 0	6°19	17°57	n.a.	T 14
W15	6 39 58	11°47'44	1♉37	23°23	14°31	24°21	6° 4	6°59	29° 9	1°13	15°36	4°58	6°16	18° 3	n.a.	W15
T 16	6 43 54	12°47'54	13°27	24°56	15°45	24°58	6° 7	7° 7	29° 7	1°R13	15°37	4°54	6°13	18°10	n.a.	T 16
F 17	6 47 51	13°48'03	25°19	26°31	17° 0	25°36	6°11	7°14	29° 6	1°13	15°39	4°47	6°10	18°17	n.a.	F 17
S 18	6 51 48	14°48'09	7♊17	28° 7	18°15	26°13	6°14	7°21	29° 4	1°13	15°41	4°39	6° 7	18°23	n.a.	S 18
S 19	6 55 44	15°48'13	19°22	29°43	19°30	26°50	6°17	7°29	29° 2	1°13	15°42	4°29	6° 3	18°30	n.a.	S 19
M20	6 59 41	16°48'14	1♋38	1♑21	20°44	27°28	6°21	7°36	29° 1	1°13	15°44	4°20	6° 0	18°37	n.a.	M20
T 21	7 3 37	17°48'14	14° 4	3° 0	21°59	28° 5	6°23	7°43	28°59	1°13	15°46	4°11	5°57	18°44	n.a.	T 21
W22	7 7 34	18°48'12	26°42	4°40	23°14	28°42	6°26	7°51	28°58	1°13	15°47	4° 4	5°54	18°50	n.a.	W22
T 23	7 11 30	19°48'07	9♌32	6°21	24°29	29°20	6°29	7°58	28°57	1°13	15°49	3°59	5°51	18°57	n.a.	T 23
F 24	7 15 27	20°48'00	22°33	8° 3	25°43	29°57	6°31	8° 5	28°55	1°12	15°51	3°57	5°48	19° 4	n.a.	F 24
S 25	7 19 23	21°47'52	5♍46	9°47	26°58	0♏34	6°33	8°13	28°54	1°12	15°52	3°D56	5°44	19°10	n.a.	S 25
S 26	7 23 20	22°47'41	19°10	11°31	28°12	1°11	6°35	8°20	28°53	1°12	15°54	3°57	5°41	19°17	n.a.	S 26
M27	7 27 17	23°47'28	2♎47	13°17	29°27	1°48	6°37	8°27	28°52	1°11	15°56	3°58	5°38	19°24	n.a.	M27
T 28	7 31 13	24°47'14	16°37	15° 4	0♒42	2°25	6°38	8°34	28°50	1°11	15°57	4° 0	5°35	19°31	n.a.	T 28
W29	7 35 10	25°46'58	0♏39	16°51	1°56	3° 2	6°40	8°41	28°49	1°11	15°59	4°R 0	5°32	19°37	n.a.	W29
T 30	7 39 6	26°46'40	14°54	18°41	3°11	3°39	6°41	8°49	28°48	1°10	16° 1	3°58	5°28	19°44	n.a.	T 30
F 31	7 43 3	27♑46'20	29♏18	20♑31	4♒25	4♏16	6♎42	8♑56	28♉47	1♎10	16♑ 2	3♓55	5♓25	19♉51	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23s52	11s15	3s31	21s 4	0n11	24s49	0s57	5s 2	1n18	0s42	1n24	24s22	0s35	20n31	0n 5	1n27	2n 6	34s54	11s59	9s29	9s 6	21n41			n.a.
T 2	23 53	17 20	4 19	21 27	0 2	24 52	0 59	5 17	1 17	0 44	1 24	24 22	0 35	20 31	0 5	1 27	2 6	34 54	11 59	9 30	9 7	21 43			n.a.
F 3	23 53	22 32	4 50	21 49	0s 6	24 54	1 1	5 33	1 17	0 46	1 25	24 22	0 36	20 31	0 5	1 26	2 6	34 53	11 59	9 33	9 8	21 46			n.a.
S 4	23 53	26 21	5 2	22 11	0 14	24 55	1 2	5 48	1 17	0 48	1 25	24 22	0 36	20 30	0 5	1 26	2 6	34 53	11 59	9 36	9 10	21 48			n.a.
S 5	23 53	28 20	4 54	22 32	0 22	24 56	1 4	6 3	1 16	0 50	1 25	24 21	0 36	20 30	0 5	1 26	2 6	34 53	11 59	9 40	9 11	21 50			n.a.
M 6	23 52	28 15	4 26	22 52	0 29	24 56	1 5	6 18	1 16	0 52	1 25	24 21	0 36	20 29	0 5	1 26	2 6	34 53	11 59	9 44	9 12	21 53			n.a.
T 7	23 50	26 11	3 40	23 11	0 37	24 55	1 7	6 33	1 15	0 54	1 25	24 21	0 36	20 29	0 5	1 26	2 6	34 52	11 59	9 47	9 13	21 55			n.a.
W 8	23 48	22 30	2 42	23 30	0 44	24 54	1 8	6 47	1 15	0 56	1 26	24 21	0 36	20 28	0 5	1 26	2 6	34 52	11 59	9 49	9 14	21 57			n.a.
T 9	23 46	17 38	1 36	23 48	0 51	24 51	1 10	7 2	1 15	0 58	1 26	24 20	0 36	20 28	0 5	1 26	2 6	34 52	11 59	9 51	9 16	21 59			n.a.
F 10	23 43	12 4	0 26	24 4	0 57	24 48	1 11	7 17	1 14	1 0	1 26	24 20	0 36	20 27	0 5	1 26	2 6	34 52	11 59	9 52	9 17	22 2			n.a.
S 11	23 39	6 9	0n43	24 20	1 4	24 44	1 12	7 32	1 14	1 1	1 26	24 20	0 36	20 27	0 5	1 26	2 6	34 52	11 59	9 52	9 18	22 4			n.a.
S 12	23 36	0 11	1 48	24 34	1 10	24 40	1 13	7 46	1 13	1 3	1 27	24 19	0 36	20 27	0 5	1 26	2 6	34 51	11 59	9 51	9 19	22 6			n.a.
M13	23 31	5n39	2 46	24 47	1 15	24 34	1 15	8 1	1 13	1 4	1 27	24 19	0 36	20 26	0 5	1 26	2 7	34 51	11 59	9 51	9 20	22 8			n.a.
T 14	23 27	11 11	3 36	24 59	1 21	24 28	1 16	8 15	1 12	1 6	1 27	24 19	0 36	20 26	0 5	1 26	2 7	34 51	11 59	9 51	9 22	22 11			n.a.
W15	23 21	16 15	4 16	25 9	1 26	24 21	1 17	8 30	1 12	1 7	1 27	24 19	0 36	20 25	0 5	1 26	2 7	34 51	11 59	9 52	9 23	22 13			n.a.
T 16	23 16	20 42	4 45	25 19	1 31	24 14	1 18	8 44	1 11	1 9	1 27	24 18	0 37	20 25	0 5	1 26	2 7	34 51	11 59	9 54	9 24	22 15			n.a.
F 17	23 10	24 20	5 2	25 26	1 36	24 5	1 19	8 59	1 11	1 10	1 28	24 18	0 37	20 25	0 5	1 26	2 7	34 50	11 59	9 56	9 25	22 17			n.a.
S 18	23 3	26 57	5 6	25 33	1 40	23 56	1 20	9 13	1 10	1 11	1 28	24 18	0 37	20 24	0 5	1 26	2 7	34 50	11 59	9 59	9 26	22 19			n.a.
S 19	22 56	28 22	4 56	25 37	1 44	23 46	1 20	9 27	1 10	1 12	1 28	24 17	0 37	20 24	0 5	1 26	2 7	34 50	11 59	10 3	9 28	22 22			n.a.
M20	22 49	28 25	4 33	25 40	1 48	23 36	1 21	9 41	1 9	1 13	1 28	24 17	0 37	20 24	0 5	1 27	2 7	34 50	11 59	10 6	9 29	22 24			n.a.
T 21	22 41	27 2	3 56	25 42	1 51	23 24	1 22	9 55	1 9	1 14	1 29	24 17	0 37	20 23	0 5	1 27	2 7	34 50	11 59	10 9	9 30	22 26			n.a.
W22	22 33	24 16	3 7	25 42	1 54	23 12	1 23	10 9	1 8	1 15	1 29	24 16	0 37	20 23	0 5	1 27	2 7	34 49	11 59	10 12	9 31	22 28			n.a.
T 23	22 24	20 15	2 8	25 40	1 56	23 0	1 23	10 23	1 8	1 16	1 29	24 16	0 37	20 23	0 5	1 27	2 7	34 49	11 59	10 14	9 32	22 30			n.a.
F 24	22 15	15 13	1 1	25 36	1 58	22 46	1 24	10 37	1 7	1 16	1 29	24 15	0 37	20 23	0 5	1 27	2 7	34 49	11 59	10 15	9 34	22 33			n.a.
S 25	22 5	9 25	0s10	25 31	2 0	22 32	1 24	10 51	1 7	1 17	1 29	24 15	0 37	20 22	0 5	1 27	2 7	34 49	11 59	10 15	9 35	22 35			n.a.
S 26	21 55	3 7	1 22	25 23	2 1	22 17	1 25	11 5	1 6	1 18	1 30	24 15	0 37	20 22	0 5	1 27	2 7	34 49	11 59	10 15	9 36	22 37			n.a.
M27	21 45	3s25	2 30	25 14	2 2	22 2	1 25	11 18	1 5	1 18	1 30	24 14	0 37	20 22	0 5	1 28	2 8	34 49	11 59	10 14	9 37	22 39			n.a.
T 28	21 34	9 53	3 31	25 3	2 2	21 46	1 25	11 32	1 5	1 18	1 30	24 14	0 38	20 21	0 5	1 28	2 8	34 49	11 59	10 14	9 38	22 41			n.a.
W29	21 23	15 58	4 20	24 49	2 2	21 29	1 26	11 45	1 4	1 19	1 30	24 14	0 38	20 21	0 5	1 28	2 8	34 48	12 0	10 14	9 39	22 43			n.a.
T 30	21 12	21 16	4 54	24 34	2 2	21 12	1 26	11 59	1 3	1 19	1 31	24 13	0 38	20 21	0 5	1 28	2 8	34 48	12 0	10 14	9 41	22 45			n.a.
F 31	21s 0	25s24	5s10	24s16	2s 0	20s54	1s26	12s12	1n 3	1s19	1n31	24s13	0s38	20n21	0n 5	1n29	2n 8	34s48	12s 0	10s15	9s42	22n48			n.a.

Julian Day Number = 1115108.5, Delta T = 10h48m11s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'20, Lahiri = -26°51'20 Julian Calendar 1 Jan. 1660 BCE == Greg. Calendar 18 Dec. 1661 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

FEBRUARY 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 46 59	28♉45'58	13♐48	22♉22	5♒40	4♏53	6♎43	9♉ 3	28°R46	1°R 9	16♉ 4	3°R51	5♓22	19♉57	n.a.	S 1
S 2	7 50 56	29°45'35	28°19	24°15	6°54	5°30	6°43	9°10	28♉45	1♎ 9	16° 6	3♓46	5°19	20° 4	n.a.	S 2
M 3	7 54 52	0♒45'09	12♉45	26° 9	8° 9	6° 6	6°44	9°17	28°45	1° 8	16° 7	3°41	5°16	20°11	n.a.	M 3
T 4	7 58 49	1°44'42	26°59	28° 4	9°23	6°43	6°44	9°24	28°44	1° 8	16° 9	3°36	5°13	20°18	n.a.	T 4
W 5	8 2 46	2°44'12	10♒57	29°59	10°38	7°20	6°R44	9°31	28°43	1° 7	16°10	3°33	5° 9	20°24	n.a.	W 5
T 6	8 6 42	3°43'39	24°35	1♒57	11°52	7°56	6°44	9°38	28°42	1° 6	16°12	3°31	5° 6	20°31	n.a.	T 6
F 7	8 10 39	4°43'05	7♓51	3°55	13° 6	8°33	6°44	9°45	28°42	1° 6	16°14	3°D31	5° 3	20°38	n.a.	F 7
S 8	8 14 35	5°42'28	20°45	5°54	14°21	9° 9	6°43	9°52	28°41	1° 5	16°15	3°32	5° 0	20°45	n.a.	S 8
S 9	8 18 32	6°41'48	3♈18	7°54	15°35	9°45	6°42	9°59	28°41	1° 4	16°17	3°33	4°57	20°51	n.a.	S 9
M10	8 22 28	7°41'07	15°35	9°55	16°50	10°21	6°41	10° 6	28°40	1° 3	16°18	3°35	4°54	20°58	n.a.	M10
T 11	8 26 25	8°40'22	27°39	11°57	18° 4	10°58	6°40	10°13	28°40	1° 2	16°20	3°36	4°50	21° 5	n.a.	T 11
W12	8 30 21	9°39'35	9♉35	13°59	19°18	11°34	6°39	10°19	28°39	1° 2	16°21	3°R37	4°47	21°11	n.a.	W12
T 13	8 34 18	10°38'46	21°27	16° 1	20°32	12°10	6°38	10°26	28°39	1° 1	16°23	3°36	4°44	21°18	n.a.	T 13
F 14	8 38 14	11°37'55	3♊21	18° 3	21°47	12°46	6°36	10°33	28°39	1° 0	16°25	3°35	4°41	21°25	n.a.	F 14
S 15	8 42 11	12°37'01	15°21	20° 5	23° 1	13°22	6°34	10°40	28°38	0°59	16°26	3°32	4°38	21°32	n.a.	S 15
S 16	8 46 8	13°36'04	27°30	22° 7	24°15	13°57	6°32	10°46	28°38	0°58	16°28	3°30	4°34	21°38	n.a.	S 16
M17	8 50 4	14°35'05	9♋52	24° 8	25°29	14°33	6°30	10°53	28°38	0°57	16°29	3°27	4°31	21°45	n.a.	M17
T 18	8 54 1	15°34'04	22°29	26° 7	26°43	15° 9	6°28	10°59	28°38	0°56	16°31	3°24	4°28	21°52	n.a.	T 18
W19	8 57 57	16°33'01	5♌22	28° 6	27°58	15°44	6°25	11° 6	28°D38	0°55	16°32	3°22	4°25	21°58	n.a.	W19
T 20	9 1 54	17°31'55	18°31	0♓ 2	29°12	16°20	6°23	11°12	28°38	0°54	16°34	3°20	4°22	22° 5	n.a.	T 20
F 21	9 5 50	18°30'47	1♍55	1°56	0♓26	16°55	6°20	11°19	28°38	0°53	16°35	3°D20	4°19	22°12	n.a.	F 21
S 22	9 9 47	19°29'37	15°33	3°48	1°40	17°31	6°17	11°25	28°38	0°52	16°36	3°20	4°15	22°19	n.a.	S 22
S 23	9 13 43	20°28'24	29°23	5°37	2°54	18° 6	6°13	11°31	28°39	0°51	16°38	3°21	4°12	22°25	n.a.	S 23
M24	9 17 40	21°27'10	13♎23	7°22	4° 8	18°41	6°10	11°38	28°39	0°50	16°39	3°22	4° 9	22°32	n.a.	M24
T 25	9 21 36	22°25'54	27°29	9° 4	5°22	19°16	6° 6	11°44	28°39	0°48	16°41	3°23	4° 6	22°39	n.a.	T 25
W26	9 25 33	23°24'36	11♏40	10°41	6°36	19°51	6° 3	11°50	28°39	0°47	16°42	3°23	4° 3	22°46	n.a.	W26
T 27	9 29 30	24°23'17	25°54	12°15	7°50	20°26	5°59	11°56	28°40	0°46	16°44	3°R24	4° 0	22°52	n.a.	T 27
F 28	9 33 26	25♒21'55	10♐ 7	13♓43	9♓ 4	21♏ 1	5♎55	12♉ 2	28♉40	0♎45	16♉45	3♓23	3♓56	22♉59	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s48	27s57	5s 6	23s57	1s59	20s36	1s26	12s25	1n 2	1s19	1n31	24s12	0s38	20n21	0n 5	1n29	2n 8	34s48	12s 0	10s17	9s43	22n50		n.a.
S 2	20 35	28 36	4 43	23 35	1 57	20 17	1 26	12 38	1 1	1 19	1 31	24 12	0 38	20 20	0 5	1 29	2 8	34 48	12 0	10 19	9 44	22 52		n.a.
M 3	20 22	27 17	4 2	23 11	1 54	19 57	1 26	12 51	1 0	1 19	1 31	24 12	0 38	20 20	0 5	1 29	2 8	34 48	12 0	10 21	9 45	22 54		n.a.
T 4	20 9	24 12	3 6	22 45	1 51	19 37	1 26	13 4	1 0	1 19	1 32	24 11	0 38	20 20	0 5	1 30	2 8	34 48	12 0	10 22	9 47	22 56		n.a.
W 5	19 55	19 44	2 0	22 17	1 47	19 16	1 25	13 17	0 59	1 19	1 32	24 11	0 38	20 20	0 5	1 30	2 8	34 48	12 0	10 24	9 48	22 58		n.a.
T 6	19 41	14 20	0 49	21 46	1 43	18 55	1 25	13 30	0 58	1 19	1 32	24 10	0 38	20 20	0 5	1 30	2 8	34 48	12 0	10 24	9 49	23 0		n.a.
F 7	19 27	8 25	0n24	21 13	1 38	18 33	1 25	13 43	0 57	1 19	1 32	24 10	0 39	20 20	0 5	1 31	2 8	34 47	12 1	10 24	9 50	23 2		n.a.
S 8	19 12	2 19	1 33	20 38	1 32	18 11	1 24	13 55	0 56	1 18	1 33	24 9	0 39	20 19	0 5	1 31	2 8	34 47	12 1	10 24	9 51	23 4		n.a.
S 9	18 57	3n43	2 36	20 1	1 26	17 48	1 24	14 8	0 56	1 18	1 33	24 9	0 39	20 19	0 5	1 31	2 8	34 47	12 1	10 23	9 53	23 6		n.a.
M10	18 42	9 28	3 30	19 22	1 19	17 24	1 23	14 20	0 55	1 17	1 33	24 9	0 39	20 19	0 5	1 32	2 8	34 47	12 1	10 23	9 54	23 8		n.a.
T 11	18 26	14 47	4 15	18 41	1 12	17 1	1 23	14 33	0 54	1 17	1 33	24 8	0 39	20 19	0 5	1 32	2 9	34 47	12 1	10 22	9 55	23 11		n.a.
W12	18 10	19 29	4 47	17 58	1 4	16 36	1 22	14 45	0 53	1 16	1 33	24 8	0 39	20 19	0 5	1 33	2 9	34 47	12 1	10 22	9 56	23 13		n.a.
T 13	17 54	23 24	5 7	17 13	0 56	16 12	1 21	14 57	0 52	1 15	1 34	24 7	0 39	20 19	0 5	1 33	2 9	34 47	12 1	10 22	9 57	23 15		n.a.
F 14	17 37	26 21	5 14	16 27	0 47	15 47	1 20	15 9	0 51	1 14	1 34	24 7	0 39	20 19	0 5	1 33	2 9	34 47	12 2	10 23	9 58	23 17		n.a.
S 15	17 20	28 10	5 8	15 39	0 37	15 21	1 20	15 21	0 50	1 13	1 34	24 6	0 39	20 19	0 5	1 34	2 9	34 47	12 2	10 24	10 0	23 19		n.a.
S 16	17 3	28 39	4 47	14 49	0 27	14 55	1 19	15 33	0 49	1 12	1 34	24 6	0 40	20 19	0 5	1 34	2 9	34 47	12 2	10 25	10 1	23 21		n.a.
M17	16 46	27 44	4 13	13 59	0 16	14 29	1 18	15 45	0 48	1 11	1 34	24 6	0 40	20 19	0 5	1 35	2 9	34 47	12 2	10 26	10 2	23 23		n.a.
T 18	16 28	25 22	3 26	13 8	0 5	14 2	1 17	15 56	0 47	1 10	1 35	24 5	0 40	20 19	0 5	1 35	2 9	34 47	12 2	10 27	10 3	23 25		n.a.
W19	16 10	21 41	2 28	12 16	0n 6	13 35	1 16	16 8	0 46	1 9	1 35	24 5	0 40	20 19	0 5	1 36	2 9	34 47	12 2	10 28	10 4	23 27		n.a.
T 20	15 52	16 51	1 21	11 23	0 18	13 8	1 14	16 19	0 45	1 8	1 35	24 4	0 40	20 19	0 5	1 36	2 9	34 47	12 3	10 28	10 6	23 29		n.a.
F 21	15 34	11 7	0 8	10 31	0 30	12 40	1 13	16 30	0 44	1 6	1 35	24 4	0 40	20 19	0 5	1 37	2 9	34 47	12 3	10 28	10 7	23 31		n.a.
S 22	15 15	4 46	1s 7	9 39	0 42	12 12	1 12	16 42	0 43	1 5	1 35	24 3	0 40	20 19	0 5	1 37	2 9	34 47	12 3	10 28	10 8	23 33		n.a.
S 23	14 56	1s52	2 19	8 47	0 54	11 44	1 11	16 53	0 42	1 4	1 36	24 3	0 40	20 19	0 5	1 38	2 9	34 47	12 3	10 28	10 9	23 35		n.a.
M24	14 37	8 30	3 24	7 56	1 6	11 15	1 9	17 4	0 40	1 2	1 36	24 3	0 40	20 19	0 5	1 38	2 9	34 47	12 3	10 28	10 10	23 37		n.a.
T 25	14 18	14 45	4 17	7 7	1 19	10 46	1 8	17 15	0 39	1 0	1 36	24 2	0 41	20 19	0 5	1 39	2 9	34 47	12 4	10 27	10 11	23 39		n.a.
W26	13 58	20 16	4 54	6 18	1 31	10 17	1 6	17 25	0 38	0 59	1 36	24 2	0 41	20 19	0 5	1 39	2 9	34 47	12 4	10 27	10 13	23 41		n.a.
T 27	13 38	24 40	5 14	5 31	1 42	9 47	1 5	17 36	0 37	0 57	1 36	24 1	0 41	20 19	0 5	1 40	2 9	34 47	12 4	10 27	10 14	23 43		n.a.
F 28	13s18	27s34	5s14	4s47	1n54	9s18	1s 3	17s47	0n36	0s55	1n36	24s 1	0s41	20n19	0n 5	1n40	2n 9	34s47	12s 4	10s27	10s15	23n45		n.a.

Julian Day Number = 1115139.5, Delta T = 10h48m09s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'16, Lahiri = -26°51'15 Julian Calendar 1 Feb. 1660 BCE == Greg. Calendar 18 Jan. 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

MARCH 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 37 23	26♒20'32	24♐17	15♓ 7	10♓18	21♏35	5°R50	12♑ 8	28♉41	0°R44	16♑46	3°R23	3♓53	23♉ 6	n.a.	S 1
S 2	9 41 19	27°19'07	8♑22	16°27	11°32	22°10	5♎46	12°14	28°42	0♎42	16°48	3♓22	3°50	23°12	n.a.	S 2
M 3	9 45 16	28°17'41	22°19	17°40	12°45	22°44	5°41	12°20	28°42	0°41	16°49	3°21	3°47	23°19	n.a.	M 3
T 4	9 49 12	29°16'12	6♒ 5	18°49	13°59	23°19	5°37	12°26	28°43	0°40	16°50	3°21	3°44	23°26	n.a.	T 4
W 5	9 53 9	0♓14'41	19°37	19°52	15°13	23°53	5°32	12°32	28°44	0°38	16°52	3°21	3°40	23°33	n.a.	W 5
T 6	9 57 5	1°13'08	2♓55	20°49	16°27	24°27	5°27	12°38	28°44	0°37	16°53	3°D21	3°37	23°39	n.a.	T 6
F 7	10 1 2	2°11'34	15°56	21°41	17°41	25° 1	5°22	12°43	28°45	0°36	16°54	3°21	3°34	23°46	n.a.	F 7
S 8	10 4 58	3° 9'57	28°41	22°27	18°54	25°35	5°16	12°49	28°46	0°34	16°55	3°R21	3°31	23°53	n.a.	S 8
S 9	10 8 55	4° 8'18	11♈10	23° 7	20° 8	26° 8	5°11	12°54	28°47	0°33	16°56	3°21	3°28	23°59	n.a.	S 9
M10	10 12 52	5° 6'37	23°26	23°41	21°22	26°42	5° 5	13° 0	28°48	0°31	16°58	3°20	3°25	24° 6	n.a.	M10
T 11	10 16 48	6° 4'53	5♉30	24°10	22°35	27°15	4°59	13° 5	28°49	0°30	16°59	3°20	3°21	24°13	n.a.	T 11
W12	10 20 45	7° 3'08	17°26	24°32	23°49	27°48	4°54	13°11	28°50	0°29	17° 0	3°20	3°18	24°20	n.a.	W12
T 13	10 24 41	8° 1'20	29°20	24°48	25° 3	28°21	4°48	13°16	28°51	0°27	17° 1	3°20	3°15	24°26	n.a.	T 13
F 14	10 28 38	8°59'31	11♊14	24°59	26°16	28°54	4°42	13°21	28°53	0°26	17° 2	3°D20	3°12	24°33	n.a.	F 14
S 15	10 32 34	9°57'39	23°13	25°R 4	27°30	29°27	4°35	13°26	28°54	0°24	17° 3	3°20	3° 9	24°40	n.a.	S 15
S 16	10 36 31	10°55'45	5♋23	25° 3	28°43	29°59	4°29	13°32	28°55	0°23	17° 5	3°20	3° 5	24°47	n.a.	S 16
M17	10 40 27	11°53'49	17°47	24°57	29°57	0♐32	4°23	13°37	28°57	0°21	17° 6	3°21	3° 2	24°53	n.a.	M17
T 18	10 44 24	12°51'51	0♌29	24°46	1♈10	1° 4	4°16	13°42	28°58	0°20	17° 7	3°22	2°59	25° 0	n.a.	T 18
W19	10 48 21	13°49'50	13°31	24°30	2°24	1°37	4° 9	13°46	28°59	0°18	17° 8	3°23	2°56	25° 7	n.a.	W19
T 20	10 52 17	14°47'48	26°54	24° 9	3°37	2° 9	4° 3	13°51	29° 1	0°17	17° 9	3°R23	2°53	25°13	n.a.	T 20
F 21	10 56 14	15°45'44	10♍38	23°44	4°50	2°40	3°56	13°56	29° 2	0°15	17°10	3°23	2°50	25°20	n.a.	F 21
S 22	11 0 10	16°43'38	24°41	23°16	6° 4	3°12	3°49	14° 1	29° 4	0°14	17°11	3°22	2°46	25°27	n.a.	S 22
S 23	11 4 7	17°41'31	8♎59	22°45	7°17	3°43	3°42	14° 5	29° 6	0°12	17°12	3°21	2°43	25°34	n.a.	S 23
M24	11 8 3	18°39'22	23°27	22°11	8°30	4°15	3°35	14°10	29° 7	0°10	17°13	3°19	2°40	25°40	n.a.	M24
T 25	11 12 0	19°37'11	7♏59	21°35	9°44	4°46	3°28	14°14	29° 9	0° 9	17°14	3°17	2°37	25°47	n.a.	T 25
W26	11 15 56	20°34'59	22°29	20°59	10°57	5°16	3°20	14°19	29°11	0° 7	17°14	3°16	2°34	25°54	n.a.	W26
T 27	11 19 53	21°32'46	6♐53	20°21	12°10	5°47	3°13	14°23	29°13	0° 6	17°15	3°14	2°31	26° 0	n.a.	T 27
F 28	11 23 49	22°30'31	21° 7	19°44	13°23	6°18	3° 6	14°27	29°15	0° 4	17°16	3°D14	2°27	26° 7	n.a.	F 28
S 29	11 27 46	23°28'16	5♑ 9	19° 8	14°36	6°48	2°58	14°31	29°17	0° 2	17°17	3°14	2°24	26°14	n.a.	S 29
S 30	11 31 43	24°25'59	18°57	18°33	15°49	7°18	2°51	14°35	29°19	0° 1	17°18	3°15	2°21	26°21	n.a.	S 30
M31	11 35 39	25♓23'40	2♒31	18♓ 0	17♈ 2	7♐47	2♎44	14♑39	29♉21	29♍59	17♑19	3♓17	2♓18	26♉27	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s58	28s41	4s56	4s 4	2n 4	8s48	1s 1	17s57	0n34	0s53	1n37	24s 0	0s41	20n20	0n 5	1n41	2n 9	34s47	12s 5	10s27	10s16	23n46		n.a.
S 2	12 38	27 56	4 19	3 23	2 15	8 17	1 0	18 7	0 33	0 51	1 37	24 0	0 41	20 20	0 5	1 41	2 10	34 47	12 5	10 28	10 17	23 48		n.a.
M 3	12 17	25 25	3 28	2 45	2 25	7 47	0 58	18 18	0 32	0 49	1 37	23 59	0 41	20 20	0 5	1 42	2 10	34 47	12 5	10 28	10 18	23 50		n.a.
T 4	11 57	21 27	2 25	2 9	2 34	7 17	0 56	18 28	0 30	0 47	1 37	23 59	0 41	20 20	0 5	1 42	2 10	34 47	12 5	10 28	10 20	23 52		n.a.
W 5	11 36	16 24	1 15	1 36	2 42	6 46	0 54	18 38	0 29	0 45	1 37	23 59	0 42	20 20	0 5	1 43	2 10	34 47	12 5	10 28	10 21	23 54		n.a.
T 6	11 15	10 40	0 2	1 6	2 50	6 15	0 52	18 48	0 28	0 43	1 37	23 58	0 42	20 20	0 5	1 44	2 10	34 47	12 6	10 28	10 22	23 56		n.a.
F 7	10 53	4 35	1n 9	0 39	2 57	5 44	0 50	18 57	0 26	0 41	1 37	23 58	0 42	20 21	0 5	1 44	2 10	34 47	12 6	10 28	10 23	23 58		n.a.
S 8	10 32	1n32	2 16	0 16	3 3	5 13	0 48	19 7	0 25	0 39	1 38	23 57	0 42	20 21	0 5	1 45	2 10	34 47	12 6	10 28	10 24	24 0		n.a.
S 9	10 10	7 28	3 15	0n 5	3 8	4 41	0 46	19 17	0 23	0 36	1 38	23 57	0 42	20 21	0 5	1 45	2 10	34 47	12 6	10 28	10 25	24 2		n.a.
M10	9 49	13 1	4 3	0 22	3 12	4 10	0 44	19 26	0 22	0 34	1 38	23 57	0 42	20 21	0 5	1 46	2 10	34 48	12 7	10 28	10 27	24 4		n.a.
T 11	9 27	17 59	4 40	0 36	3 14	3 38	0 42	19 35	0 20	0 32	1 38	23 56	0 42	20 21	0 5	1 47	2 10	34 48	12 7	10 28	10 28	24 6		n.a.
W12	9 5	22 13	5 5	0 47	3 16	3 7	0 40	19 45	0 18	0 29	1 38	23 56	0 43	20 22	0 5	1 47	2 10	34 48	12 7	10 28	10 29	24 7		n.a.
T 13	8 43	25 31	5 16	0 54	3 17	2 35	0 38	19 54	0 17	0 27	1 38	23 55	0 43	20 22	0 5	1 48	2 10	34 48	12 8	10 28	10 30	24 9		n.a.
F 14	8 21	27 43	5 14	0 57	3 16	2 3	0 36	20 3	0 15	0 24	1 38	23 55	0 43	20 22	0 5	1 48	2 10	34 48	12 8	10 29	10 31	24 11		n.a.
S 15	7 59	28 40	4 58	0 57	3 14	1 31	0 33	20 12	0 14	0 22	1 38	23 55	0 43	20 23	0 5	1 49	2 10	34 48	12 8	10 28	10 33	24 13		n.a.
S 16	7 36	28 15	4 29	0 54	3 10	0 59	0 31	20 20	0 12	0 19	1 38	23 54	0 43	20 23	0 5	1 50	2 10	34 48	12 8	10 28	10 34	24 15		n.a.
M17	7 14	26 25	3 46	0 47	3 6	0 28	0 29	20 29	0 10	0 16	1 38	23 54	0 43	20 23	0 5	1 50	2 10	34 48	12 9	10 28	10 35	24 17		n.a.
T 18	6 51	23 14	2 52	0 37	2 59	0n 4	0 26	20 38	0 8	0 14	1 38	23 53	0 43	20 23	0 5	1 51	2 10	34 48	12 9	10 28	10 36	24 18		n.a.
W19	6 29	18 48	1 48	0 24	2 52	0 36	0 24	20 46	0 6	0 11	1 39	23 53	0 43	20 24	0 5	1 52	2 10	34 49	12 9	10 27	10 37	24 20		n.a.
T 20	6 6	13 20	0 36	0 8	2 43	1 8	0 21	20 54	0 5	0 8	1 39	23 53	0 44	20 24	0 5	1 52	2 10	34 49	12 9	10 27	10 38	24 22		n.a.
F 21	5 43	7 6	0s40	0s12	2 33	1 40	0 19	21 3	0 3	0 5	1 39	23 52	0 44	20 24	0 5	1 53	2 10	34 49	12 10	10 27	10 40	24 24		n.a.
S 22	5 20	0 24	1 55	0 33	2 22	2 12	0 17	21 11	0 1	0 2	1 39	23 52	0 44	20 25	0 5	1 54	2 10	34 49	12 10	10 27	10 41	24 26		n.a.
S 23	4 57	6s26	3 4	0 57	2 10	2 44	0 14	21 19	0s 1	0n 0	1 39	23 52	0 44	20 25	0 5	1 54	2 10	34 49	12 10	10 28	10 42	24 28		n.a.
M24	4 34	13 1	4 2	1 23	1 56	3 16	0 12	21 27	0 3	0 3	1 39	23 51	0 44	20 26	0 5	1 55	2 10	34 49	12 11	10 29	10 43	24 29		n.a.
T 25	4 11	18 55	4 45	1 51	1 42	3 47	0 9	21 34	0 5	0 6	1 39	23 51	0 44	20 26	0 5	1 55	2 10	34 49	12 11	10 29	10 44	24 31		n.a.
W26	3 48	23 43	5 10	2 19	1 27	4 19	0 6	21 42	0 7	0 9	1 39	23 51	0 44	20 26	0 5	1 56	2 10	34 50	12 11	10 30	10 45	24 33		n.a.
T 27	3 25	27 2	5 14	2 49	1 11	4 50	0 4	21 50	0 9	0 12	1 39	23 50	0 45	20 27	0 5	1 57	2 10	34 50	12 12	10 30	10 46	24 35		n.a.
F 28	3 2	28 34	5 0	3 18	0 55	5 22	0 1	21 57	0 11	0 15	1 39	23 50	0 45	20 27	0 5	1 57	2 10	34 50	12 12	10 31	10 48	24 36		n.a.
S 29	2 38	28 15	4 28	3 48	0 38	5 53	0n 1	22 5	0 14	0 18	1 39	23 50	0 45	20 28	0 5	1 58	2 10	34 50	12 12	10 31	10 49	24 38		n.a.
S 30	2 15	26 9	3 40	4 17	0 21	6 24	0 4	22 12	0 16	0 21	1 39	23 49	0 45	20 28	0 5	1 59	2 10	34 50	12 13	10 30	10 50	24 40		n.a.
M31	1s52	22s35	2s41	4s46	0n 4	6n55	0n 7	22s19	0s18	0n24	1n39	23s49	0s45	20n29	0n 5	1n59	2n10	34s51	12s13	10s30	10s51	24n42		n.a.

Julian Day Number = 1115167.5, Delta T = 10h48m07s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'12, Lahiri = -26°51'12 Julian Calendar 1 March 1660 BCE == Greg. Calendar 15 Feb. 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

APRIL 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 39 36	26♓21'21	15♒52	17°R29	18♈16	8♐17	2°R36	14♑43	29♉23	29°R58	17♑19	3♓18	2♓15	26♉34	n.a.	T 1
W 2	11 43 32	27°19'00	29° 0	17♓ 2	19°29	8°46	2♎28	14°47	29°25	29♍56	17°20	3°R19	2°11	26°41	n.a.	W 2
T 3	11 47 29	28°16'37	11♓54	16°37	20°42	9°15	2°21	14°51	29°27	29°54	17°21	3°18	2° 8	26°48	n.a.	T 3
F 4	11 51 25	29°14'13	24°37	16°17	21°55	9°44	2°13	14°54	29°29	29°53	17°21	3°17	2° 5	26°54	n.a.	F 4
S 5	11 55 22	0♈11'48	7♈ 7	16° 0	23° 7	10°12	2° 6	14°58	29°31	29°51	17°22	3°14	2° 2	27° 1	n.a.	S 5
S 6	11 59 18	1° 9'22	19°26	15°48	24°20	10°40	1°58	15° 1	29°34	29°49	17°23	3°10	1°59	27° 8	n.a.	S 6
M 7	12 3 15	2° 6'54	1♉35	15°40	25°33	11° 8	1°50	15° 5	29°36	29°48	17°23	3° 5	1°56	27°14	n.a.	M 7
T 8	12 7 12	3° 4'25	13°37	15°D37	26°46	11°36	1°43	15° 8	29°38	29°46	17°24	3° 0	1°52	27°21	n.a.	T 8
W 9	12 11 8	4° 1'54	25°32	15°38	27°59	12° 3	1°35	15°11	29°41	29°45	17°25	2°56	1°49	27°28	n.a.	W 9
T 10	12 15 5	4°59'22	7♊24	15°43	29°12	12°30	1°28	15°14	29°43	29°43	17°25	2°52	1°46	27°35	n.a.	T 10
F 11	12 19 1	5°56'48	19°17	15°53	0♋24	12°57	1°20	15°17	29°45	29°41	17°26	2°49	1°43	27°41	n.a.	F 11
S 12	12 22 58	6°54'13	1♋15	16° 8	1°37	13°23	1°12	15°20	29°48	29°40	17°26	2°47	1°40	27°48	n.a.	S 12
S 13	12 26 54	7°51'37	13°23	16°27	2°50	13°49	1° 5	15°23	29°51	29°38	17°27	2°D47	1°37	27°55	n.a.	S 13
M14	12 30 51	8°48'59	25°45	16°51	4° 2	14°15	0°57	15°26	29°53	29°37	17°27	2°48	1°33	28° 2	n.a.	M14
T 15	12 34 47	9°46'20	8♌25	17°18	5°15	14°40	0°50	15°29	29°56	29°35	17°28	2°50	1°30	28° 8	n.a.	T 15
W16	12 38 44	10°43'39	21°29	17°50	6°27	15° 5	0°42	15°31	29°58	29°33	17°28	2°51	1°27	28°15	n.a.	W16
T 17	12 42 41	11°40'57	4♍58	18°26	7°40	15°30	0°35	15°34	0♊ 1	29°32	17°28	2°R52	1°24	28°22	n.a.	T 17
F 18	12 46 37	12°38'14	18°53	19° 6	8°52	15°54	0°28	15°36	0° 4	29°30	17°29	2°51	1°21	28°28	n.a.	F 18
S 19	12 50 34	13°35'29	3♎12	19°50	10° 5	16°18	0°20	15°38	0° 7	29°29	17°29	2°48	1°17	28°35	n.a.	S 19
S 20	12 54 30	14°32'44	17°52	20°37	11°17	16°41	0°13	15°41	0° 9	29°27	17°29	2°43	1°14	28°42	n.a.	S 20
M21	12 58 27	15°29'58	2♏45	21°29	12°30	17° 5	0° 6	15°43	0°12	29°26	17°30	2°37	1°11	28°49	n.a.	M21
T 22	13 2 23	16°27'11	17°43	22°23	13°42	17°27	29♍59	15°45	0°15	29°24	17°30	2°31	1° 8	28°55	n.a.	T 22
W23	13 6 20	17°24'23	2♐36	23°22	14°54	17°50	29°52	15°47	0°18	29°22	17°30	2°25	1° 5	29° 2	n.a.	W23
T 24	13 10 16	18°21'35	17°18	24°23	16° 6	18°11	29°45	15°49	0°21	29°21	17°30	2°20	1° 2	29° 9	n.a.	T 24
F 25	13 14 13	19°18'47	1♑43	25°28	17°19	18°33	29°38	15°50	0°24	29°19	17°31	2°17	0°58	29°15	n.a.	F 25
S 26	13 18 10	20°15'58	15°47	26°36	18°31	18°54	29°31	15°52	0°27	29°18	17°31	2°D16	0°55	29°22	n.a.	S 26
S 27	13 22 6	21°13'08	29°29	27°48	19°43	19°14	29°25	15°53	0°30	29°16	17°31	2°16	0°52	29°29	n.a.	S 27
M28	13 26 3	22°10'18	12♒52	29° 2	20°55	19°35	29°18	15°55	0°33	29°15	17°31	2°17	0°49	29°36	n.a.	M28
T 29	13 29 59	23° 7'28	25°56	0♈20	22° 7	19°54	29°12	15°56	0°36	29°14	17°31	2°R18	0°46	29°42	n.a.	T 29
W30	13 33 56	24♈ 4'37	8♓45	1♈41	23♉19	20♐13	29♍ 5	15♑57	0♊39	29♍12	17♑31	2♓18	0♓42	29♉49	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1 s29	17 s53	1 s34	5 s13	0 s12	7n26	0n 9	22 s26	0 s20	0n27	1n39	23 s49	0 s45	20n29	0n 5	2n 0	2n10	34 s51	12 s13	10 s29	10 s52	24n43		n.a.
W 2	1 5	12 25	0 24	5 39	0 29	7 57	0 12	22 33	0 23	0 30	1 39	23 48	0 46	20 29	0 5	2 1	2 10	34 51	12 13	10 29	10 53	24 45		n.a.
T 3	0 42	6 30	0n47	6 3	0 45	8 27	0 15	22 40	0 25	0 33	1 39	23 48	0 46	20 30	0 5	2 1	2 10	34 51	12 14	10 29	10 55	24 47		n.a.
F 4	0 19	0 26	1 54	6 26	1 0	8 58	0 17	22 47	0 27	0 36	1 39	23 48	0 46	20 30	0 5	2 2	2 10	34 51	12 14	10 29	10 56	24 49		n.a.
S 5	0n 5	5n32	2 55	6 46	1 15	9 28	0 20	22 54	0 30	0 39	1 39	23 48	0 46	20 31	0 5	2 3	2 10	34 52	12 14	10 30	10 57	24 50		n.a.
S 6	0 28	11 13	3 46	7 4	1 29	9 58	0 23	23 0	0 32	0 42	1 39	23 47	0 46	20 31	0 5	2 3	2 10	34 52	12 15	10 32	10 58	24 52		n.a.
M 7	0 51	16 24	4 26	7 19	1 42	10 27	0 25	23 7	0 35	0 45	1 38	23 47	0 46	20 32	0 5	2 4	2 10	34 52	12 15	10 34	10 59	24 54		n.a.
T 8	1 15	20 53	4 54	7 32	1 54	10 57	0 28	23 13	0 38	0 48	1 38	23 47	0 47	20 32	0 5	2 5	2 10	34 52	12 15	10 36	11 0	24 55		n.a.
W 9	1 38	24 30	5 9	7 42	2 6	11 26	0 31	23 20	0 40	0 51	1 38	23 47	0 47	20 33	0 5	2 5	2 10	34 53	12 16	10 37	11 2	24 57		n.a.
T 10	2 1	27 3	5 11	7 49	2 17	11 55	0 33	23 26	0 43	0 54	1 38	23 47	0 47	20 33	0 5	2 6	2 10	34 53	12 16	10 39	11 3	24 59		n.a.
F 11	2 24	28 25	4 59	7 54	2 26	12 23	0 36	23 32	0 46	0 57	1 38	23 46	0 47	20 34	0 5	2 7	2 10	34 53	12 16	10 40	11 4	25 0		n.a.
S 12	2 47	28 27	4 34	7 57	2 35	12 52	0 39	23 38	0 48	1 0	1 38	23 46	0 47	20 35	0 5	2 7	2 10	34 53	12 17	10 40	11 5	25 2		n.a.
S 13	3 10	27 8	3 57	7 56	2 43	13 20	0 41	23 44	0 51	1 3	1 38	23 46	0 47	20 35	0 5	2 8	2 10	34 54	12 17	10 40	11 6	25 4		n.a.
M14	3 34	24 28	3 8	7 53	2 50	13 47	0 44	23 50	0 54	1 6	1 38	23 46	0 47	20 36	0 5	2 9	2 10	34 54	12 17	10 40	11 7	25 5		n.a.
T 15	3 56	20 34	2 9	7 48	2 56	14 15	0 46	23 56	0 57	1 9	1 38	23 46	0 48	20 36	0 5	2 9	2 10	34 54	12 18	10 39	11 8	25 7		n.a.
W16	4 19	15 35	1 2	7 40	3 1	14 42	0 49	24 2	1 0	1 12	1 38	23 46	0 48	20 37	0 5	2 10	2 10	34 55	12 18	10 39	11 10	25 9		n.a.
T 17	4 42	9 42	0 s11	7 29	3 5	15 8	0 52	24 8	1 3	1 15	1 37	23 45	0 48	20 37	0 5	2 10	2 10	34 55	12 19	10 39	11 11	25 10		n.a.
F 18	5 5	3 10	1 26	7 16	3 9	15 35	0 54	24 13	1 6	1 18	1 37	23 45	0 48	20 38	0 5	2 11	2 10	34 55	12 19	10 39	11 12	25 12		n.a.
S 19	5 28	3 s41	2 37	7 1	3 11	16 1	0 57	24 19	1 9	1 21	1 37	23 45	0 48	20 39	0 5	2 12	2 10	34 55	12 19	10 40	11 13	25 13		n.a.
S 20	5 50	10 30	3 39	6 43	3 13	16 26	0 59	24 25	1 12	1 23	1 37	23 45	0 48	20 39	0 5	2 12	2 10	34 56	12 20	10 42	11 14	25 15		n.a.
M21	6 13	16 50	4 28	6 24	3 13	16 51	1 2	24 30	1 16	1 26	1 37	23 45	0 49	20 40	0 5	2 13	2 10	34 56	12 20	10 44	11 15	25 17		n.a.
T 22	6 35	22 11	4 58	6 2	3 13	17 16	1 4	24 36	1 19	1 29	1 37	23 45	0 49	20 40	0 5	2 14	2 10	34 56	12 20	10 46	11 17	25 18		n.a.
W23	6 57	26 6	5 8	5 37	3 13	17 40	1 6	24 41	1 22	1 32	1 36	23 45	0 49	20 41	0 5	2 14	2 10	34 57	12 21	10 48	11 18	25 20		n.a.
T 24	7 20	28 13	4 58	5 11	3 11	18 4	1 9	24 47	1 26	1 34	1 36	23 45	0 49	20 42	0 5	2 15	2 10	34 57	12 21	10 50	11 19	25 21		n.a.
F 25	7 42	28 21	4 29	4 43	3 9	18 27	1 11	24 52	1 29	1 37	1 36	23 45	0 49	20 42	0 5	2 15	2 10	34 57	12 21	10 51	11 20	25 23		n.a.
S 26	8 4	26 39	3 44	4 12	3 6	18 50	1 13	24 57	1 33	1 39	1 36	23 45	0 49	20 43	0 5	2 16	2 10	34 58	12 22	10 52	11 21	25 24		n.a.
S 27	8 26	23 22	2 47	3 40	3 2	19 12	1 16	25 3	1 36	1 42	1 36	23 45	0 50	20 44	0 5	2 16	2 10	34 58	12 22	10 52	11 22	25 26		n.a.
M28	8 47	18 54	1 43	3 6	2 58	19 34	1 18	25 8	1 40	1 44	1 36	23 45	0 50	20 44	0 6	2 17	2 10	34 58	12 22	10 52	11 23	25 28		n.a.
T 29	9 9	13 39	0 34	2 30	2 53	19 56	1 20	25 13	1 43	1 47	1 35	23 45	0 50	20 45	0 6	2 18	2 10	34 58	12 23	10 51	11 25	25 29		n.a.
W30	9n31	7 s54	0n35	1 s52	2 s47	20n17	1n22	25 s18	1 s47	1n49	1n35	23 s45	0 s50	20n46	0n 6	2n18	2n10	34 s59	12 s23	10 s51	11 s26	25n31		n.a.

Julian Day Number = 1115198.5, Delta T = 10h48m05s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'08, Lahiri = -26°51'07 Julian Calendar 1 Apr. 1660 BCE == Greg. Calendar 18 March 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

MAY 1660 BCE (-1659) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 37 52	25♈ 1'45	21♓21	3♈ 4	24♉31	20♐32	28°R59	15♑59	0♊42	29°R11	17♑31	2°R16	0♓39	29♉56	n.a.	T 1
F 2	13 41 49	25°58'54	3♈46	4°31	25°43	20°50	28♍53	16° 0	0°45	29♍ 9	17°R31	2♓12	0°36	0♊ 3	n.a.	F 2
S 3	13 45 45	26°56'02	16° 2	6° 1	26°55	21° 7	28°47	16° 0	0°48	29° 8	17°31	2° 5	0°33	0° 9	n.a.	S 3
S 4	13 49 42	27°53'09	28°10	7°33	28° 7	21°24	28°41	16° 1	0°52	29° 6	17°31	1°57	0°30	0°16	n.a.	S 4
M 5	13 53 39	28°50'16	10♉12	9° 9	29°19	21°40	28°35	16° 2	0°55	29° 5	17°31	1°47	0°27	0°23	n.a.	M 5
T 6	13 57 35	29°47'23	22° 8	10°47	0♊31	21°56	28°30	16° 3	0°58	29° 4	17°31	1°36	0°23	0°29	n.a.	T 6
W 7	14 1 32	0♉44'29	4♊ 1	12°28	1°42	22°11	28°24	16° 3	1° 1	29° 2	17°31	1°25	0°20	0°36	n.a.	W 7
T 8	14 5 28	1°41'34	15°52	14°12	2°54	22°26	28°19	16° 4	1° 5	29° 1	17°31	1°16	0°17	0°43	n.a.	T 8
F 9	14 9 25	2°38'40	27°44	15°59	4° 6	22°40	28°14	16° 4	1° 8	29° 0	17°31	1° 8	0°14	0°50	n.a.	F 9
S 10	14 13 21	3°35'44	9♋41	17°49	5°17	22°53	28° 9	16° 4	1°11	28°59	17°31	1° 3	0°11	0°56	n.a.	S 10
S 11	14 17 18	4°32'48	21°47	19°41	6°29	23° 6	28° 4	16° 4	1°15	28°57	17°31	1° 1	0° 8	1° 3	n.a.	S 11
M12	14 21 15	5°29'52	4♌ 6	21°35	7°40	23°18	27°59	16°R 4	1°18	28°56	17°30	1°D 0	0° 4	1°10	n.a.	M12
T 13	14 25 11	6°26'55	16°43	23°32	8°52	23°30	27°54	16° 4	1°21	28°55	17°30	1° 0	0° 1	1°17	n.a.	T 13
W14	14 29 8	7°23'58	29°43	25°32	10° 3	23°40	27°50	16° 4	1°25	28°54	17°30	1°R 0	29♒58	1°23	n.a.	W14
T 15	14 33 4	8°21'00	13♍ 9	27°33	11°15	23°51	27°45	16° 4	1°28	28°53	17°30	1° 0	29°55	1°30	n.a.	T 15
F 16	14 37 1	9°18'02	27° 4	29°37	12°26	24° 0	27°41	16° 3	1°32	28°51	17°29	0°57	29°52	1°37	n.a.	F 16
S 17	14 40 57	10°15'04	11♎28	1♉42	13°37	24° 9	27°37	16° 3	1°35	28°50	17°29	0°53	29°48	1°43	n.a.	S 17
S 18	14 44 54	11°12'05	26°17	3°49	14°49	24°17	27°33	16° 2	1°39	28°49	17°29	0°46	29°45	1°50	n.a.	S 18
M19	14 48 50	12° 9'07	11♏24	5°56	16° 0	24°24	27°30	16° 2	1°42	28°48	17°28	0°36	29°42	1°57	n.a.	M19
T 20	14 52 47	13° 6'08	26°39	8° 5	17°11	24°31	27°26	16° 1	1°46	28°47	17°28	0°26	29°39	2° 4	n.a.	T 20
W21	14 56 44	14° 3'10	11♐52	10°15	18°22	24°37	27°23	16° 0	1°49	28°46	17°27	0°17	29°36	2°10	n.a.	W21
T 22	15 0 40	15° 0'12	26°52	12°25	19°33	24°42	27°20	15°59	1°53	28°45	17°27	0° 9	29°33	2°17	n.a.	T 22
F 23	15 4 37	15°57'15	11♑31	14°35	20°44	24°47	27°17	15°58	1°56	28°44	17°26	0° 3	29°29	2°24	n.a.	F 23
S 24	15 8 33	16°54'18	25°44	16°45	21°55	24°50	27°14	15°57	2° 0	28°43	17°26	29♒59	29°26	2°31	n.a.	S 24
S 25	15 12 30	17°51'21	9♒30	18°54	23° 6	24°53	27°11	15°56	2° 3	28°42	17°25	29°58	29°23	2°37	n.a.	S 25
M26	15 16 26	18°48'25	22°51	21° 3	24°16	24°55	27° 9	15°54	2° 7	28°41	17°25	29°58	29°20	2°44	n.a.	M26
T 27	15 20 23	19°45'30	5♓49	23°11	25°27	24°57	27° 7	15°53	2°11	28°40	17°24	29°58	29°17	2°51	n.a.	T 27
W28	15 24 20	20°42'35	18°29	25°18	26°38	24°R57	27° 4	15°51	2°14	28°39	17°24	29°57	29°14	2°57	n.a.	W28
T 29	15 28 16	21°39'40	0♈53	27°24	27°48	24°57	27° 2	15°50	2°18	28°39	17°23	29°53	29°10	3° 4	n.a.	T 29
F 30	15 32 13	22°36'47	13° 7	29°28	28°59	24°56	27° 1	15°48	2°21	28°38	17°23	29°48	29° 7	3°11	n.a.	F 30
S 31	15 36 9	23♉33'53	25♈12	1♊31	0♋ 9	24♐54	26♍59	15♑46	2♊25	28♍37	17♑22	29♒39	29♒ 4	3♊18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	9n52	1s57	1n41	1s12	2s41	20n37	1n24	25s23	1s51	1n51	1n35	23s45	0s50	20n46	0n 6	2n19	2n10	34s59	12s23	10s52	11s27	25n32			n.a.
F 2	10 13	3n58	2 40	0 31	2 34	20 57	1 26	25 28	1 55	1 54	1 35	23 45	0 51	20 47	0 6	2 19	2 10	35 0	12 24	10 53	11 28	25 34			n.a.
S 3	10 34	9 40	3 32	0n12	2 26	21 16	1 28	25 34	1 59	1 56	1 34	23 45	0 51	20 48	0 6	2 20	2 10	35 0	12 24	10 56	11 29	25 35			n.a.
S 4	10 55	14 57	4 13	0 56	2 19	21 35	1 30	25 39	2 3	1 58	1 34	23 45	0 51	20 48	0 6	2 20	2 10	35 0	12 24	10 59	11 30	25 37			n.a.
M 5	11 16	19 37	4 43	1 42	2 10	21 53	1 32	25 44	2 7	2 0	1 34	23 45	0 51	20 49	0 6	2 21	2 10	35 1	12 25	11 3	11 31	25 38			n.a.
T 6	11 36	23 28	5 0	2 30	2 1	22 10	1 34	25 49	2 11	2 2	1 34	23 45	0 51	20 50	0 6	2 21	2 10	35 1	12 25	11 6	11 33	25 40			n.a.
W 7	11 57	26 18	5 3	3 18	1 52	22 27	1 36	25 54	2 15	2 4	1 34	23 45	0 51	20 50	0 6	2 22	2 10	35 1	12 25	11 10	11 34	25 41			n.a.
T 8	12 17	28 0	4 54	4 8	1 42	22 43	1 37	25 59	2 19	2 6	1 33	23 45	0 52	20 51	0 6	2 22	2 10	35 2	12 26	11 14	11 35	25 43			n.a.
F 9	12 37	28 24	4 32	4 59	1 32	22 59	1 39	26 4	2 23	2 8	1 33	23 46	0 52	20 52	0 6	2 23	2 10	35 2	12 26	11 16	11 36	25 44			n.a.
S 10	12 57	27 29	3 58	5 52	1 22	23 14	1 41	26 9	2 27	2 10	1 33	23 46	0 52	20 53	0 6	2 23	2 10	35 2	12 26	11 18	11 37	25 45			n.a.
S 11	13 17	25 16	3 13	6 45	1 11	23 28	1 42	26 14	2 32	2 12	1 32	23 46	0 52	20 53	0 6	2 24	2 10	35 3	12 27	11 19	11 38	25 47			n.a.
M12	13 36	21 50	2 18	7 38	1 0	23 42	1 44	26 19	2 36	2 13	1 32	23 46	0 52	20 54	0 6	2 24	2 9	35 3	12 27	11 19	11 39	25 48			n.a.
T 13	13 55	17 19	1 15	8 33	0 49	23 55	1 45	26 24	2 40	2 15	1 32	23 46	0 52	20 55	0 6	2 25	2 9	35 3	12 27	11 19	11 41	25 50			n.a.
W14	14 14	11 54	0 7	9 28	0 38	24 8	1 46	26 29	2 45	2 17	1 32	23 46	0 53	20 55	0 6	2 25	2 9	35 4	12 28	11 19	11 42	25 51			n.a.
T 15	14 33	5 46	1s 4	10 23	0 27	24 19	1 48	26 34	2 49	2 18	1 31	23 47	0 53	20 56	0 6	2 26	2 9	35 4	12 28	11 19	11 43	25 53			n.a.
F 16	14 52	0s51	2 14	11 18	0 16	24 31	1 49	26 39	2 54	2 19	1 31	23 47	0 53	20 57	0 6	2 26	2 9	35 5	12 28	11 20	11 44	25 54			n.a.
S 17	15 10	7 38	3 17	12 13	0 5	24 41	1 50	26 44	2 59	2 21	1 31	23 47	0 53	20 58	0 6	2 26	2 9	35 5	12 29	11 22	11 45	25 55			n.a.
S 18	15 28	14 11	4 9	13 7	0n 6	24 51	1 51	26 49	3 3	2 22	1 31	23 47	0 53	20 58	0 6	2 27	2 9	35 5	12 29	11 25	11 46	25 57			n.a.
M19	15 46	20 2	4 45	14 1	0 17	25 0	1 52	26 54	3 8	2 23	1 30	23 48	0 54	20 59	0 6	2 27	2 9	35 6	12 29	11 28	11 47	25 58			n.a.
T 20	16 4	24 38	5 1	14 54	0 27	25 8	1 53	26 59	3 13	2 25	1 30	23 48	0 54	21 0	0 6	2 28	2 9	35 6	12 30	11 31	11 49	26 0			n.a.
W21	16 21	27 31	4 55	15 45	0 37	25 15	1 54	27 4	3 17	2 26	1 30	23 48	0 54	21 0	0 6	2 28	2 9	35 6	12 30	11 35	11 50	26 1			n.a.
T 22	16 38	28 21	4 30	16 36	0 47	25 22	1 54	27 9	3 22	2 27	1 29	23 48	0 54	21 1	0 6	2 28	2 9	35 7	12 30	11 38	11 51	26 2			n.a.
F 23	16 55	27 9	3 47	17 24	0 56	25 28	1 55	27 14	3 27	2 28	1 29	23 49	0 54	21 2	0 6	2 29	2 9	35 7	12 31	11 40	11 52	26 4			n.a.
S 24	17 12	24 11	2 51	18 11	1 4	25 34	1 56	27 19	3 32	2 28	1 29	23 49	0 54	21 3	0 6	2 29	2 9	35 8	12 31	11 41	11 53	26 5			n.a.
S 25	17 28	19 55	1 46	18 56	1 12	25 38	1 56	27 24	3 37	2 29	1 28	23 49	0 55	21 3	0 6	2 29	2 9	35 8	12 31	11 42	11 54	26 6			n.a.
M26	17 45	14 45	0 38	19 38	1 19	25 42	1 56	27 29	3 42	2 30	1 28	23 50	0 55	21 4	0 6	2 30	2 9	35 8	12 32	11 42	11 55	26 8			n.a.
T 27	18 0	9 4	0n31	20 18	1 26	25 45	1 57	27 34	3 47	2 31	1 28	23 50	0 55	21 5	0 6	2 30	2 9	35 9	12 32	11 42	11 56	26 9			n.a.
W28	18 16	3 10	1 36	20 56	1 32	25 48	1 57	27 39	3 52	2 31	1 28	23 50	0 55	21 6	0 6	2 30	2 9	35 9	12 32	11 42	11 58	26 10			n.a.
T 29	18 31	2n44	2 36	21 32	1 37	25 49	1 57	27 44	3 56	2 32	1 27	23 51	0 55	21 6	0 6	2 31	2 9	35 9	12 33	11 43	11 59	26 12			n.a.
F 30	18 46	8 26	3 27	22 5	1 42	25 50	1 57	27 49	4 1	2 32	1 27	23 51	0 55	21 7	0 6	2 31	2 9	35 10	12 33	11 45	12 0	26 13			n.a.
S 31	19n 1	13n45	4n 8	22n35	1n46	25n51	1n57	27s54	4s 6	2n32	1n27	23s52	0s56	21n 8	0n 6	2n31	2n 8	35s10	12s33	11s48	12s 1	26n14			n.a.

Julian Day Number = 1115228.5, Delta T = 10h48m03s
Ecliptic obliquity = 23°53'26, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'04, Lahiri = -26°51'03 Julian Calendar 1 May 1660 BCE == Greg. Calendar 17 Apr. 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

JUNE 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 40 6	24♉31'01	7♉11	3♊33	1♋20	24°R52	26°R58	15°R44	2♊29	28°R36	17°R21	29°R28	29♒ 1	3♊24	n.a.	S 1
M 2	15 44 2	25°28'09	19° 6	5°33	2°30	24♐48	26♍56	15♑42	2°32	28♍36	17♑21	29♒15	28°58	3°31	n.a.	M 2
T 3	15 47 59	26°25'18	0♊59	7°31	3°40	24°44	26°55	15°40	2°36	28°35	17°20	29° 1	28°54	3°38	n.a.	T 3
W 4	15 51 56	27°22'27	12°51	9°27	4°51	24°39	26°55	15°38	2°40	28°34	17°19	28°47	28°51	3°44	n.a.	W 4
T 5	15 55 52	28°19'37	24°43	11°22	6° 1	24°34	26°54	15°36	2°43	28°34	17°18	28°35	28°48	3°51	n.a.	T 5
F 6	15 59 49	29°16'47	6♋37	13°15	7°11	24°27	26°53	15°33	2°47	28°33	17°18	28°25	28°45	3°58	n.a.	F 6
S 7	16 3 45	0♊13'58	18°36	15° 6	8°21	24°20	26°53	15°31	2°51	28°32	17°17	28°18	28°42	4° 5	n.a.	S 7
S 8	16 7 42	1°11'10	0♌44	16°55	9°31	24°12	26°D53	15°28	2°54	28°32	17°16	28°13	28°39	4°11	n.a.	S 8
M 9	16 11 38	2° 8'21	13° 3	18°43	10°41	24° 4	26°53	15°26	2°58	28°31	17°15	28°11	28°35	4°18	n.a.	M 9
T 10	16 15 35	3° 5'34	25°38	20°28	11°51	23°55	26°53	15°23	3° 2	28°31	17°14	28°10	28°32	4°25	n.a.	T 10
W11	16 19 31	4° 2'47	8♍33	22°12	13° 0	23°45	26°54	15°20	3° 5	28°31	17°14	28°10	28°29	4°32	n.a.	W11
T 12	16 23 28	5° 0'00	21°54	23°54	14°10	23°34	26°54	15°17	3° 9	28°30	17°13	28°10	28°26	4°38	n.a.	T 12
F 13	16 27 25	5°57'14	5♎42	25°35	15°20	23°23	26°55	15°14	3°13	28°30	17°12	28° 7	28°23	4°45	n.a.	F 13
S 14	16 31 21	6°54'28	20° 0	27°13	16°29	23°12	26°56	15°11	3°16	28°29	17°11	28° 2	28°20	4°52	n.a.	S 14
S 15	16 35 18	7°51'44	4♏44	28°50	17°38	23° 0	26°57	15° 8	3°20	28°29	17°10	27°55	28°16	4°58	n.a.	S 15
M16	16 39 14	8°49'00	19°49	0♋25	18°48	22°47	26°59	15° 5	3°24	28°29	17° 9	27°46	28°13	5° 5	n.a.	M16
T 17	16 43 11	9°46'17	5♐ 8	1°59	19°57	22°34	27° 0	15° 2	3°27	28°28	17° 8	27°36	28°10	5°12	n.a.	T 17
W18	16 47 7	10°43'35	20°27	3°30	21° 6	22°20	27° 2	14°59	3°31	28°28	17° 7	27°25	28° 7	5°19	n.a.	W18
T 19	16 51 4	11°40'54	5♑36	5° 0	22°15	22° 6	27° 4	14°55	3°35	28°28	17° 6	27°17	28° 4	5°25	n.a.	T 19
F 20	16 55 1	12°38'15	20°25	6°28	23°24	21°52	27° 6	14°52	3°38	28°28	17° 5	27°10	28° 0	5°32	n.a.	F 20
S 21	16 58 57	13°35'36	4♒48	7°54	24°33	21°37	27° 8	14°48	3°42	28°28	17° 4	27° 6	27°57	5°39	n.a.	S 21
S 22	17 2 54	14°33'00	18°43	9°18	25°42	21°22	27°10	14°45	3°46	28°28	17° 3	27° 5	27°54	5°46	n.a.	S 22
M23	17 6 50	15°30'24	2♓ 8	10°41	26°50	21° 7	27°13	14°41	3°49	28°28	17° 2	27°D 4	27°51	5°52	n.a.	M23
T 24	17 10 47	16°27'50	15° 9	12° 1	27°59	20°52	27°16	14°37	3°53	28°27	17° 1	27°R 5	27°48	5°59	n.a.	T 24
W25	17 14 43	17°25'17	27°47	13°20	29° 7	20°36	27°19	14°33	3°57	28°D27	17° 0	27° 4	27°45	6° 6	n.a.	W25
T 26	17 18 40	18°22'46	10♈ 8	14°36	0♌15	20°20	27°22	14°30	4° 0	28°27	16°59	27° 2	27°41	6°12	n.a.	T 26
F 27	17 22 36	19°20'17	22°17	15°51	1°24	20° 4	27°25	14°26	4° 4	28°28	16°58	26°58	27°38	6°19	n.a.	F 27
S 28	17 26 33	20°17'49	4♉16	17° 3	2°32	19°48	27°28	14°22	4° 7	28°28	16°57	26°51	27°35	6°26	n.a.	S 28
S 29	17 30 30	21°15'22	16°11	18°13	3°40	19°32	27°32	14°18	4°11	28°28	16°55	26°41	27°32	6°33	n.a.	S 29
M30	17 34 26	22♊12'58	28♉ 3	19♋21	4♌48	19♐16	27♍36	14♑14	4♊14	28♍28	16♑54	26♒30	27♒29	6♊39	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n15	18n31	4n37	23n 3	1n49	25n50	1n57	27s58	4s11	2n33	1n26	23s52	0s56	21n 9	0n 6	2n31	2n 8	35s11	12s34	11s52	12s 2	26n16		n.a.
M 2	19 29	22 32	4 55	23 28	1 52	25 49	1 57	28 3	4 16	2 33	1 26	23 52	0 56	21 9	0 6	2 32	2 8	35 11	12 34	11 57	12 3	26 17		n.a.
T 3	19 43	25 37	4 59	23 51	1 54	25 47	1 57	28 8	4 21	2 33	1 26	23 53	0 56	21 10	0 6	2 32	2 8	35 11	12 34	12 2	12 4	26 18		n.a.
W 4	19 57	27 34	4 51	24 11	1 55	25 44	1 56	28 13	4 26	2 33	1 25	23 53	0 56	21 11	0 6	2 32	2 8	35 12	12 34	12 7	12 5	26 19		n.a.
T 5	20 10	28 16	4 29	24 28	1 56	25 41	1 56	28 17	4 31	2 33	1 25	23 54	0 56	21 12	0 6	2 32	2 8	35 12	12 35	12 11	12 7	26 21		n.a.
F 6	20 22	27 39	3 56	24 44	1 56	25 36	1 55	28 22	4 36	2 33	1 25	23 54	0 57	21 12	0 6	2 32	2 8	35 13	12 35	12 15	12 8	26 22		n.a.
S 7	20 35	25 45	3 12	24 57	1 55	25 31	1 54	28 26	4 41	2 33	1 24	23 54	0 57	21 13	0 6	2 33	2 8	35 13	12 35	12 17	12 9	26 23		n.a.
S 8	20 47	22 38	2 19	25 7	1 54	25 26	1 54	28 31	4 45	2 33	1 24	23 55	0 57	21 14	0 6	2 33	2 8	35 13	12 35	12 19	12 10	26 24		n.a.
M 9	20 59	18 29	1 19	25 16	1 52	25 19	1 53	28 35	4 50	2 32	1 24	23 55	0 57	21 14	0 6	2 33	2 8	35 14	12 36	12 20	12 11	26 26		n.a.
T 10	21 10	13 26	0 13	25 22	1 50	25 12	1 52	28 39	4 55	2 32	1 23	23 56	0 57	21 15	0 6	2 33	2 8	35 14	12 36	12 20	12 12	26 27		n.a.
W11	21 21	7 40	0s55	25 26	1 47	25 5	1 51	28 43	4 59	2 31	1 23	23 56	0 57	21 16	0 6	2 33	2 8	35 15	12 36	12 20	12 13	26 28		n.a.
T 12	21 32	1 25	2 2	25 28	1 44	24 56	1 50	28 47	5 4	2 31	1 23	23 57	0 58	21 17	0 6	2 33	2 8	35 15	12 37	12 20	12 14	26 29		n.a.
F 13	21 42	5s 7	3 4	25 29	1 40	24 47	1 48	28 51	5 8	2 30	1 22	23 57	0 58	21 17	0 6	2 33	2 8	35 15	12 37	12 21	12 16	26 31		n.a.
S 14	21 52	11 37	3 58	25 27	1 35	24 37	1 47	28 55	5 12	2 30	1 22	23 58	0 58	21 18	0 6	2 33	2 8	35 16	12 37	12 23	12 17	26 32		n.a.
S 15	22 2	17 40	4 37	25 24	1 31	24 27	1 45	28 58	5 17	2 29	1 22	23 58	0 58	21 19	0 6	2 33	2 8	35 16	12 37	12 25	12 18	26 33		n.a.
M16	22 11	22 48	4 58	25 19	1 25	24 15	1 44	29 1	5 21	2 28	1 22	23 59	0 58	21 20	0 6	2 34	2 7	35 16	12 38	12 29	12 19	26 34		n.a.
T 17	22 20	26 26	4 58	25 12	1 20	24 4	1 42	29 5	5 25	2 27	1 21	23 59	0 58	21 20	0 6	2 34	2 7	35 17	12 38	12 32	12 20	26 35		n.a.
W18	22 28	28 9	4 37	25 4	1 14	23 51	1 40	29 8	5 28	2 26	1 21	24 0	0 59	21 21	0 6	2 34	2 7	35 17	12 38	12 36	12 21	26 36		n.a.
T 19	22 37	27 43	3 57	24 55	1 7	23 38	1 39	29 11	5 32	2 25	1 21	24 1	0 59	21 22	0 6	2 34	2 7	35 17	12 38	12 39	12 22	26 38		n.a.
F 20	22 44	25 17	3 1	24 44	1 0	23 24	1 37	29 13	5 36	2 24	1 20	24 1	0 59	21 22	0 6	2 34	2 7	35 18	12 38	12 41	12 23	26 39		n.a.
S 21	22 52	21 17	1 55	24 32	0 53	23 10	1 34	29 16	5 39	2 23	1 20	24 2	0 59	21 23	0 6	2 34	2 7	35 18	12 39	12 42	12 25	26 40		n.a.
S 22	22 59	16 12	0 44	24 19	0 45	22 55	1 32	29 18	5 43	2 21	1 20	24 2	0 59	21 24	0 6	2 34	2 7	35 19	12 39	12 43	12 26	26 41		n.a.
M23	23 5	10 29	0n27	24 4	0 37	22 39	1 30	29 20	5 46	2 20	1 19	24 3	0 59	21 25	0 6	2 34	2 7	35 19	12 39	12 43	12 27	26 42		n.a.
T 24	23 11	4 31	1 34	23 49	0 29	22 23	1 28	29 22	5 49	2 19	1 19	24 3	0 59	21 25	0 6	2 34	2 7	35 19	12 39	12 43	12 28	26 43		n.a.
W25	23 17	1n28	2 35	23 33	0 20	22 6	1 25	29 24	5 52	2 17	1 19	24 4	1 0	21 26	0 6	2 33	2 7	35 20	12 40	12 43	12 29	26 44		n.a.
T 26	23 22	7 15	3 28	23 16	0 11	21 49	1 23	29 25	5 54	2 16	1 18	24 4	1 0	21 27	0 6	2 33	2 7	35 20	12 40	12 44	12 30	26 45		n.a.
F 27	23 27	12 40	4 9	22 58	0 2	21 31	1 20	29 26	5 57	2 14	1 18	24 5	1 0	21 27	0 6	2 33	2 7	35 20	12 40	12 45	12 31	26 47		n.a.
S 28	23 32	17 33	4 40	22 40	0s 7	21 13	1 17	29 27	5 59	2 12	1 18	24 6	1 0	21 28	0 6	2 33	2 7	35 21	12 40	12 48	12 32	26 48		n.a.
S 29	23 36	21 43	4 57	22 21	0 17	20 54	1 14	29 28	6 1	2 11	1 17	24 6	1 0	21 29	0 6	2 33	2 7	35 21	12 40	12 51	12 33	26 49		n.a.
M30	23n39	25n 0	5n 2	22n 1	0s27	20n35	1n11	29s29	6s 3	2n 9	1n17	24s 7	1s 0	21n29	0n 6	2n33	2n 6	35s21	12s40	12s55	12s35	26n50		n.a.

Julian Day Number = 1115259.5, Delta T = 10h48m01s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°58'00, Lahiri = -26°50'59 Julian Calendar 1 June 1660 BCE == Greg. Calendar 18 May 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

JULY 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 38 23	23♊10'34	9♊54	20♋26	5♌55	19°R 0	27♍40	14°R10	4♊18	28♍28	16°R53	26°R18	27♒26	6♊46	n.a.	T 1
W 2	17 42 19	24° 8'13	21°48	21°29	7° 3	18♐45	27°44	14♑ 5	4°21	28°28	16♑52	26♒ 6	27°22	6°53	n.a.	W 2
T 3	17 46 16	25° 5'52	3♋44	22°30	8°10	18°29	27°48	14° 1	4°25	28°29	16°51	25°56	27°19	7° 0	n.a.	T 3
F 4	17 50 12	26° 3'34	15°45	23°27	9°18	18°14	27°53	13°57	4°28	28°29	16°50	25°47	27°16	7° 6	n.a.	F 4
S 5	17 54 9	27° 1'16	27°51	24°22	10°25	17°59	27°57	13°53	4°32	28°29	16°49	25°41	27°13	7°13	n.a.	S 5
S 6	17 58 5	27°59'00	10♌ 6	25°14	11°32	17°45	28° 2	13°48	4°35	28°29	16°47	25°38	27°10	7°20	n.a.	S 6
M 7	18 2 2	28°56'46	22°32	26° 2	12°39	17°31	28° 7	13°44	4°39	28°30	16°46	25°D37	27° 6	7°26	n.a.	M 7
T 8	18 5 59	29°54'32	5♍12	26°47	13°46	17°17	28°12	13°40	4°42	28°30	16°45	25°37	27° 3	7°33	n.a.	T 8
W 9	18 9 55	0♋52'20	18° 9	27°29	14°53	17° 4	28°17	13°35	4°46	28°31	16°44	25°38	27° 0	7°40	n.a.	W 9
T 10	18 13 52	1°50'10	1♎27	28° 7	15°59	16°51	28°23	13°31	4°49	28°31	16°42	25°R38	26°57	7°47	n.a.	T 10
F 11	18 17 48	2°48'00	15° 8	28°41	17° 6	16°39	28°28	13°26	4°52	28°32	16°41	25°38	26°54	7°53	n.a.	F 11
S 12	18 21 45	3°45'52	29°15	29°10	18°12	16°27	28°34	13°22	4°56	28°32	16°40	25°35	26°51	8° 0	n.a.	S 12
S 13	18 25 41	4°43'46	13♏45	29°36	19°18	16°16	28°40	13°17	4°59	28°33	16°39	25°30	26°47	8° 7	n.a.	S 13
M14	18 29 38	5°41'41	28°36	29°56	20°24	16° 6	28°46	13°13	5° 2	28°33	16°37	25°24	26°44	8°13	n.a.	M14
T 15	18 33 34	6°39'38	13♐41	0♌11	21°29	15°56	28°52	13° 8	5° 6	28°34	16°36	25°17	26°41	8°20	n.a.	T 15
W16	18 37 31	7°37'37	28°50	0°22	22°35	15°47	28°58	13° 4	5° 9	28°35	16°35	25°10	26°38	8°27	n.a.	W16
T 17	18 41 28	8°35'37	13♑53	0°R26	23°40	15°38	29° 5	12°59	5°12	28°35	16°34	25° 4	26°35	8°34	n.a.	T 17
F 18	18 45 24	9°33'39	28°42	0°25	24°45	15°31	29°11	12°54	5°15	28°36	16°32	24°59	26°32	8°40	n.a.	F 18
S 19	18 49 21	10°31'43	13♒ 8	0°18	25°50	15°23	29°18	12°50	5°18	28°37	16°31	24°57	26°28	8°47	n.a.	S 19
S 20	18 53 17	11°29'48	27° 8	0° 5	26°55	15°17	29°25	12°45	5°22	28°38	16°30	24°D56	26°25	8°54	n.a.	S 20
M21	18 57 14	12°27'56	10♓40	29♋46	28° 0	15°12	29°32	12°41	5°25	28°38	16°29	24°57	26°22	9° 1	n.a.	M21
T 22	19 1 10	13°26'06	23°45	29°20	29° 4	15° 7	29°39	12°36	5°28	28°39	16°27	24°59	26°19	9° 7	n.a.	T 22
W23	19 5 7	14°24'19	6♈28	28°49	0♍ 8	15° 3	29°46	12°31	5°31	28°40	16°26	25° 0	26°16	9°14	n.a.	W23
T 24	19 9 3	15°22'33	18°51	28°11	1°12	14°59	29°54	12°27	5°34	28°41	16°25	25°R 0	26°12	9°21	n.a.	T 24
F 25	19 13 0	16°20'50	0♉59	27°28	2°16	14°57	0♎ 1	12°22	5°37	28°42	16°24	24°59	26° 9	9°27	n.a.	F 25
S 26	19 16 57	17°19'09	12°58	26°39	3°19	14°55	0° 9	12°17	5°40	28°43	16°22	24°56	26° 6	9°34	n.a.	S 26
S 27	19 20 53	18°17'30	24°52	25°46	4°22	14°54	0°17	12°13	5°43	28°44	16°21	24°51	26° 3	9°41	n.a.	S 27
M28	19 24 50	19°15'53	6♊43	24°50	5°25	14°D54	0°25	12° 8	5°46	28°45	16°20	24°46	26° 0	9°48	n.a.	M28
T 29	19 28 46	20°14'19	18°36	23°51	6°28	14°55	0°33	12° 4	5°49	28°46	16°18	24°39	25°57	9°54	n.a.	T 29
W30	19 32 43	21°12'47	0♋33	22°50	7°30	14°56	0°41	11°59	5°51	28°47	16°17	24°33	25°53	10° 1	n.a.	W30
T 31	19 36 39	22♋11'17	12♋36	21♋50	8♍32	14♐59	0♎49	11♑55	5♊54	28♍48	16♑16	24♒28	25♒50	10♊ 8	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n43	27n12	4n54	21n41	0s37	20n15	1n 8	29s29	6s 5	2n 7	1n17	24s 7	1s 0	21n30	0n 6	2n33	2n 6	35s22	12s41	12s59	12s36	26n51		n.a.	T 1
W 2	23 45	28 10	4 33	21 21	0 48	19 54	1 5	29 30	6 7	2 5	1 17	24 8	1 1	21 31	0 6	2 33	2 6	35 22	12 41	13 3	12 37	26 52		n.a.	W 2
T 3	23 48	27 50	4 0	21 1	0 58	19 33	1 2	29 30	6 8	2 3	1 16	24 9	1 1	21 31	0 6	2 33	2 6	35 22	12 41	13 7	12 38	26 53		n.a.	T 3
F 4	23 50	26 11	3 16	20 40	1 9	19 12	0 58	29 29	6 10	2 1	1 16	24 9	1 1	21 32	0 6	2 32	2 6	35 23	12 41	13 10	12 39	26 54		n.a.	F 4
S 5	23 51	23 19	2 23	20 20	1 20	18 50	0 55	29 29	6 11	1 59	1 16	24 10	1 1	21 33	0 6	2 32	2 6	35 23	12 41	13 12	12 40	26 55		n.a.	S 5
S 6	23 52	19 22	1 22	20 0	1 31	18 28	0 51	29 29	6 11	1 57	1 15	24 10	1 1	21 33	0 6	2 32	2 6	35 23	12 41	13 13	12 41	26 56		n.a.	S 6
M 7	23 53	14 31	0 16	19 40	1 43	18 5	0 47	29 28	6 12	1 54	1 15	24 11	1 1	21 34	0 6	2 32	2 6	35 24	12 42	13 13	12 42	26 57		n.a.	M 7
T 8	23 53	8 59	0s51	19 20	1 54	17 42	0 44	29 27	6 13	1 52	1 15	24 11	1 1	21 35	0 6	2 31	2 6	35 24	12 42	13 13	12 43	26 58		n.a.	T 8
W 9	23 53	2 58	1 58	19 1	2 5	17 18	0 40	29 26	6 13	1 50	1 14	24 12	1 1	21 35	0 6	2 31	2 6	35 24	12 42	13 13	12 45	26 59		n.a.	W 9
T 10	23 53	3s20	3 0	18 42	2 17	16 55	0 36	29 25	6 13	1 47	1 14	24 13	1 2	21 36	0 6	2 31	2 6	35 25	12 42	13 13	12 46	27 0		n.a.	T 10
F 11	23 52	9 39	3 54	18 24	2 28	16 30	0 32	29 24	6 13	1 45	1 14	24 13	1 2	21 37	0 6	2 31	2 6	35 25	12 42	13 13	12 47	27 1		n.a.	F 11
S 12	23 50	15 41	4 35	18 7	2 39	16 6	0 27	29 22	6 13	1 42	1 14	24 14	1 2	21 37	0 6	2 30	2 6	35 25	12 42	13 14	12 48	27 2		n.a.	S 12
S 13	23 48	21 2	5 0	17 51	2 50	15 41	0 23	29 21	6 13	1 39	1 13	24 14	1 2	21 38	0 6	2 30	2 6	35 25	12 42	13 16	12 49	27 3		n.a.	S 13
M14	23 46	25 12	5 6	17 36	3 1	15 15	0 19	29 19	6 12	1 37	1 13	24 15	1 2	21 39	0 6	2 30	2 6	35 26	12 42	13 18	12 50	27 4		n.a.	M14
T 15	23 43	27 41	4 51	17 22	3 12	14 50	0 14	29 17	6 12	1 34	1 13	24 15	1 2	21 39	0 6	2 30	2 5	35 26	12 43	13 20	12 51	27 5		n.a.	T 15
W16	23 40	28 9	4 16	17 10	3 22	14 24	0 10	29 16	6 11	1 31	1 12	24 16	1 2	21 40	0 6	2 29	2 5	35 26	12 43	13 23	12 52	27 6		n.a.	W16
T 17	23 36	26 31	3 23	17 0	3 32	13 58	0 5	29 14	6 10	1 28	1 12	24 17	1 2	21 40	0 6	2 29	2 5	35 26	12 43	13 25	12 53	27 7		n.a.	T 17
F 18	23 32	23 2	2 17	16 51	3 41	13 31	0 0	29 12	6 9	1 25	1 12	24 17	1 2	21 41	0 6	2 28	2 5	35 27	12 43	13 26	12 54	27 8		n.a.	F 18
S 19	23 28	18 12	1 3	16 44	3 49	13 4	0s 4	29 10	6 8	1 22	1 12	24 18	1 2	21 42	0 6	2 28	2 5	35 27	12 43	13 27	12 56	27 9		n.a.	S 19
S 20	23 23	12 31	0n12	16 39	3 57	12 37	0 9	29 8	6 6	1 19	1 11	24 18	1 3	21 42	0 6	2 28	2 5	35 27	12 43	13 27	12 57	27 9		n.a.	S 20
M21	23 18	6 25	1 24	16 37	4 4	12 10	0 14	29 6	6 5	1 16	1 11	24 19	1 3	21 43	0 6	2 27	2 5	35 27	12 43	13 27	12 58	27 10		n.a.	M21
T 22	23 12	0 14	2 30	16 36	4 9	11 43	0 19	29 3	6 3	1 13	1 11	24 19	1 3	21 43	0 6	2 27	2 5	35 28	12 43	13 26	12 59	27 11		n.a.	T 22
W23	23 6	5n45	3 26	16 39	4 14	11 15	0 25	29 1	6 2	1 10	1 10	24 20	1 3	21 44	0 6	2 27	2 5	35 28	12 43	13 26	13 0	27 12		n.a.	W23
T 24	22 59	11 22	4 11	16 43	4 17	10 47	0 30	28 59	6 0	1 7	1 10	24 20	1 3	21 44	0 6	2 26	2 5	35 28	12 43	13 26	13 1	27 13		n.a.	T 24
F 25	22 52	16 27	4 44	16 51	4 18	10 19	0 35	28 57	5 58	1 3	1 10	24 21	1 3	21 45	0 6	2 26	2 5	35 28	12 43	13 26	13 2	27 14		n.a.	F 25
S 26	22 45	20 50	5 4	17 0	4 18	9 51	0 41	28 55	5 56	1 0	1 10	24 21	1 3	21 46	0 6	2 25	2 5	35 29	12 43	13 27	13 3	27 15		n.a.	S 26
S 27	22 37	24 21	5 10	17 12	4 16	9 23	0 46	28 53	5 54	0 57	1 9	24 22	1 3	21 46	0 6	2 25	2 5	35 29	12 43	13 29	13 4	27 16		n.a.	S 27
M28	22 29	26 49	5 4	17 27	4 11	8 54	0 52	28 50	5 52	0 53	1 9	24 22	1 3	21 47	0 6	2 24	2 5	35 29	12 43	13 31	13 5	27 17		n.a.	M28
T 29	22 20	28 6	4 44	17 43	4 5	8 25	0 57	28 48	5 50	0 50	1 9	24 23	1 3	21 47	0 6	2 24	2 5	35 29	12 43	13 33	13 7	27 17		n.a.	T 29
W30	22 11	28 5	4 12	18 1	3 57	7 57	1 3	28 46	5 47	0 46	1 9	24 23	1 3	21 48	0 6	2 23	2 4	35 29	12 43	13 35	13 8	27 18		n.a.	W30
T 31	22n 1	26n44	3n28	18n21	3s47	7n28	1s 9	28s44	5s45	0n43	1n 8	24s24	1s 4	21n48	0n 6	2n23	2n 4	35s30	12s43	13s37	13s 9	27n19		n.a.	T 31

Julian Day Number = 1115289.5, Delta T = 10h47m59s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'56, Lahiri = -26°50'55 Julian Calendar 1 July 1660 BCE == Greg. Calendar 17 June 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

AUGUST 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 40 36	23♋ 9'49	24♋47	20°R50	9♍34	15♐ 2	0♎58	11°R50	5♊57	28♍49	16°R15	24°R23	25♒47	10♊14	n.a.	F 1
S 2	19 44 32	24° 8'23	7♌ 6	19♋54	10°36	15° 6	1° 6	11♑46	6° 0	28°51	16♑13	24♒21	25°44	10°21	n.a.	S 2
S 3	19 48 29	25° 6'59	19°36	19° 1	11°37	15°10	1°15	11°41	6° 3	28°52	16°12	24°D19	25°41	10°28	n.a.	S 3
M 4	19 52 26	26° 5'37	2♍17	18°14	12°38	15°16	1°24	11°37	6° 5	28°53	16°11	24°19	25°38	10°35	n.a.	M 4
T 5	19 56 22	27° 4'17	15°11	17°34	13°39	15°22	1°33	11°33	6° 8	28°54	16°10	24°21	25°34	10°41	n.a.	T 5
W 6	20 0 19	28° 2'59	28°19	17° 1	14°39	15°29	1°42	11°28	6°10	28°56	16° 8	24°22	25°31	10°48	n.a.	W 6
T 7	20 4 15	29° 1'42	11♎43	16°36	15°39	15°37	1°51	11°24	6°13	28°57	16° 7	24°24	25°28	10°55	n.a.	T 7
F 8	20 8 12	0♌ 0'28	25°24	16°21	16°39	15°45	2° 0	11°20	6°16	28°58	16° 6	24°R24	25°25	11° 1	n.a.	F 8
S 9	20 12 8	0°59'15	9♏23	16°D15	17°38	15°55	2°10	11°15	6°18	29° 0	16° 5	24°24	25°22	11° 8	n.a.	S 9
S 10	20 16 5	1°58'05	23°40	16°19	18°37	16° 5	2°19	11°11	6°20	29° 1	16° 3	24°23	25°18	11°15	n.a.	S 10
M11	20 20 1	2°56'56	8♐10	16°32	19°35	16°15	2°29	11° 7	6°23	29° 3	16° 2	24°21	25°15	11°22	n.a.	M11
T 12	20 23 58	3°55'49	22°52	16°55	20°33	16°27	2°39	11° 3	6°25	29° 4	16° 1	24°18	25°12	11°28	n.a.	T 12
W13	20 27 54	4°54'45	7♑37	17°28	21°31	16°39	2°48	10°59	6°28	29° 5	16° 0	24°16	25° 9	11°35	n.a.	W13
T 14	20 31 51	5°53'42	22°20	18°10	22°28	16°52	2°58	10°55	6°30	29° 7	15°59	24°13	25° 6	11°42	n.a.	T 14
F 15	20 35 48	6°52'41	6♒53	19° 0	23°25	17° 5	3° 8	10°51	6°32	29° 8	15°57	24°12	25° 3	11°49	n.a.	F 15
S 16	20 39 44	7°51'43	21°10	19°58	24°21	17°19	3°18	10°47	6°34	29°10	15°56	24°D11	24°59	11°55	n.a.	S 16
S 17	20 43 41	8°50'46	5♓ 6	21° 3	25°17	17°34	3°29	10°44	6°36	29°12	15°55	24°12	24°56	12° 2	n.a.	S 17
M18	20 47 37	9°49'52	18°38	22°15	26°12	17°49	3°39	10°40	6°39	29°13	15°54	24°12	24°53	12° 9	n.a.	M18
T 19	20 51 34	10°49'01	1♈47	23°32	27° 7	18° 5	3°49	10°36	6°41	29°15	15°53	24°14	24°50	12°15	n.a.	T 19
W20	20 55 30	11°48'11	14°33	24°55	28° 1	18°22	4° 0	10°33	6°43	29°16	15°52	24°15	24°47	12°22	n.a.	W20
T 21	20 59 27	12°47'24	27° 0	26°22	28°54	18°39	4°10	10°29	6°45	29°18	15°50	24°16	24°43	12°29	n.a.	T 21
F 22	21 3 23	13°46'40	9♉11	27°53	29°47	18°57	4°21	10°26	6°47	29°20	15°49	24°R16	24°40	12°36	n.a.	F 22
S 23	21 7 20	14°45'59	21°12	29°27	0♎40	19°15	4°32	10°22	6°48	29°22	15°48	24°16	24°37	12°42	n.a.	S 23
S 24	21 11 17	15°45'19	3♊ 5	1♌ 5	1°31	19°34	4°43	10°19	6°50	29°23	15°47	24°15	24°34	12°49	n.a.	S 24
M25	21 15 13	16°44'43	14°57	2°44	2°22	19°53	4°54	10°16	6°52	29°25	15°46	24°15	24°31	12°56	n.a.	M25
T 26	21 19 10	17°44'08	26°52	4°25	3°13	20°13	5° 5	10°12	6°54	29°27	15°45	24°14	24°28	13° 2	n.a.	T 26
W27	21 23 6	18°43'36	8♋52	6° 7	4° 3	20°33	5°16	10° 9	6°56	29°29	15°44	24°13	24°24	13° 9	n.a.	W27
T 28	21 27 3	19°43'07	21° 2	7°51	4°52	20°54	5°27	10° 6	6°57	29°30	15°43	24°12	24°21	13°16	n.a.	T 28
F 29	21 30 59	20°42'40	3♌23	9°35	5°40	21°16	5°38	10° 3	6°59	29°32	15°42	24°12	24°18	13°23	n.a.	F 29
S 30	21 34 56	21°42'15	15°58	11°20	6°27	21°38	5°50	10° 0	7° 0	29°34	15°41	24°12	24°15	13°29	n.a.	S 30
S 31	21 38 52	22♌41'52	28♌47	13♌ 5	7♎14	22♐ 0	6♎ 1	9♑58	7♊ 2	29♍36	15♑40	24°D12	24♒12	13♊36	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n52	24n 6	2n34	18n42	3s35	6n59	1s15	28s42	5s42	0n39	1n 8	24s24	1s 4	21n49	0n 6	2n22	2n 4	35s30	12s43	13s38	13s10	27n20		n.a.
S 2	21 41	20 20	1 33	19 4	3 21	6 30	1 20	28 40	5 40	0 35	1 8	24 25	1 4	21 49	0 6	2 22	2 4	35 30	12 43	13 39	13 11	27 21		n.a.
S 3	21 31	15 38	0 26	19 27	3 6	6 1	1 26	28 38	5 37	0 31	1 8	24 25	1 4	21 50	0 7	2 21	2 4	35 30	12 43	13 40	13 12	27 21		n.a.
M 4	21 20	10 11	0s44	19 49	2 49	5 31	1 32	28 36	5 35	0 28	1 7	24 26	1 4	21 50	0 7	2 21	2 4	35 30	12 43	13 40	13 13	27 22		n.a.
T 5	21 8	4 14	1 52	20 12	2 32	5 2	1 39	28 34	5 32	0 24	1 7	24 26	1 4	21 51	0 7	2 20	2 4	35 30	12 43	13 39	13 14	27 23		n.a.
W 6	20 56	2s 0	2 56	20 35	2 14	4 33	1 45	28 32	5 29	0 20	1 7	24 27	1 4	21 51	0 7	2 19	2 4	35 31	12 43	13 39	13 15	27 24		n.a.
T 7	20 44	8 15	3 51	20 56	1 55	4 4	1 51	28 30	5 26	0 16	1 7	24 27	1 4	21 52	0 7	2 19	2 4	35 31	12 43	13 38	13 16	27 25		n.a.
F 8	20 32	14 16	4 35	21 17	1 36	3 34	1 57	28 28	5 24	0 12	1 7	24 28	1 4	21 52	0 7	2 18	2 4	35 31	12 43	13 38	13 17	27 25		n.a.
S 9	20 19	19 41	5 4	21 36	1 17	3 5	2 4	28 27	5 21	0 8	1 6	24 28	1 4	21 53	0 7	2 18	2 4	35 31	12 43	13 38	13 19	27 26		n.a.
S 10	20 6	24 6	5 14	21 54	0 58	2 36	2 10	28 25	5 18	0 4	1 6	24 28	1 4	21 53	0 7	2 17	2 4	35 31	12 43	13 38	13 20	27 27		n.a.
M11	19 52	27 6	5 5	22 11	0 40	2 7	2 16	28 23	5 15	0s 0	1 6	24 29	1 4	21 53	0 7	2 16	2 4	35 31	12 43	13 39	13 21	27 28		n.a.
T 12	19 38	28 18	4 36	22 25	0 23	1 38	2 23	28 21	5 12	0 4	1 6	24 29	1 4	21 54	0 7	2 16	2 4	35 31	12 43	13 40	13 22	27 28		n.a.
W13	19 24	27 29	3 49	22 37	0 6	1 9	2 29	28 20	5 9	0 8	1 5	24 30	1 4	21 54	0 7	2 15	2 4	35 31	12 43	13 41	13 23	27 29		n.a.
T 14	19 9	24 44	2 47	22 47	0n 9	0 40	2 36	28 18	5 6	0 13	1 5	24 30	1 4	21 55	0 7	2 14	2 4	35 31	12 43	13 42	13 24	27 30		n.a.
F 15	18 54	20 25	1 34	22 55	0 24	0 11	2 42	28 17	5 3	0 17	1 5	24 30	1 4	21 55	0 7	2 14	2 4	35 32	12 43	13 42	13 25	27 30		n.a.
S 16	18 39	14 59	0 17	23 0	0 38	0s18	2 49	28 15	5 0	0 21	1 5	24 31	1 4	21 55	0 7	2 13	2 3	35 32	12 43	13 42	13 26	27 31		n.a.
S 17	18 23	8 54	1n 0	23 2	0 50	0 46	2 56	28 14	4 57	0 25	1 5	24 31	1 4	21 56	0 7	2 12	2 3	35 32	12 43	13 42	13 27	27 32		n.a.
M18	18 7	2 34	2 11	23 1	1 1	1 15	3 2	28 12	4 54	0 30	1 4	24 31	1 4	21 56	0 7	2 12	2 3	35 32	12 43	13 42	13 28	27 33		n.a.
T 19	17 51	3n40	3 13	22 58	1 11	1 43	3 9	28 11	4 51	0 34	1 4	24 32	1 4	21 57	0 7	2 11	2 3	35 32	12 43	13 42	13 29	27 33		n.a.
W20	17 34	9 34	4 4	22 52	1 20	2 11	3 16	28 9	4 48	0 39	1 4	24 32	1 4	21 57	0 7	2 10	2 3	35 32	12 42	13 41	13 30	27 34		n.a.
T 21	17 17	14 57	4 41	22 43	1 28	2 39	3 23	28 8	4 45	0 43	1 4	24 32	1 4	21 57	0 7	2 10	2 3	35 32	12 42	13 41	13 32	27 35		n.a.
F 22	17 0	19 38	5 6	22 31	1 35	3 6	3 29	28 6	4 42	0 48	1 3	24 33	1 5	21 58	0 7	2 9	2 3	35 32	12 42	13 41	13 33	27 35		n.a.
S 23	16 43	23 28	5 16	22 17	1 40	3 34	3 36	28 5	4 39	0 52	1 3	24 33	1 5	21 58	0 7	2 8	2 3	35 32	12 42	13 41	13 34	27 36		n.a.
S 24	16 25	26 17	5 13	22 0	1 45	4 1	3 43	28 3	4 36	0 57	1 3	24 33	1 5	21 58	0 7	2 7	2 3	35 32	12 42	13 41	13 35	27 36		n.a.
M25	16 7	27 56	4 56	21 41	1 48	4 28	3 50	28 2	4 33	1 1	1 3	24 33	1 5	21 59	0 7	2 7	2 3	35 32	12 42	13 41	13 36	27 37		n.a.
T 26	15 48	28 18	4 27	21 19	1 51	4 54	3 56	28 1	4 30	1 6	1 3	24 34	1 5	21 59	0 7	2 6	2 3	35 32	12 42	13 42	13 37	27 38		n.a.
W27	15 30	27 20	3 46	20 55	1 53	5 20	4 3	27 59	4 27	1 11	1 2	24 34	1 5	21 59	0 7	2 5	2 3	35 32	12 42	13 42	13 38	27 38		n.a.
T 28	15 11	25 4	2 54	20 29	1 54	5 46	4 10	27 58	4 24	1 15	1 2	24 34	1 5	22 0	0 7	2 4	2 3	35 32	12 41	13 42	13 39	27 39		n.a.
F 29	14 52	21 35	1 53	20 2	1 55	6 12	4 17	27 56	4 21	1 20	1 2	24 34	1 5	22 0	0 7	2 4	2 3	35 32	12 41	13 42	13 40	27 39		n.a.
S 30	14 32	17 4	0 45	19 32	1 54	6 37	4 23	27 55	4 18	1 25	1 2	24 35	1 5	22 0	0 7	2 3	2 3	35 32	12 41	13 42	13 41	27 40		n.a.
S 31	14n12	11n43	0s25	19n 1	1n54	7s 2	4s30	27s53	4s15	1s30	1n 2	24s35	1s 5	22n 0	0n 7	2n 2	2n 3	35s32	12s41	13s42	13s42	27n41		n.a.

Julian Day Number = 1115320.5, Delta T = 10h47m57s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'51, Lahiri = -26°50'51 Julian Calendar 1 Aug. 1660 BCE == Greg. Calendar 18 July 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

SEPTEMBER 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 42 49	23♌41'31	11♍50	14♌50	7♎59	22♐23	6♎13	9°R55	7♊ 3	29♍38	15°R39	24°R12	24♒ 9	13♊43	n.a.	M 1
T 2	21 46 45	24°41'13	25° 7	16°36	8°44	22°46	6°24	9♑52	7° 5	29°40	15♑38	24♒12	24° 5	13°49	n.a.	T 2
W 3	21 50 42	25°40'56	8♎37	18°21	9°28	23°10	6°36	9°50	7° 6	29°42	15°37	24°12	24° 2	13°56	n.a.	W 3
T 4	21 54 39	26°40'42	22°19	20° 5	10°11	23°35	6°48	9°48	7° 7	29°44	15°36	24°11	23°59	14° 3	n.a.	T 4
F 5	21 58 35	27°40'29	6♏12	21°50	10°53	23°59	7° 0	9°45	7° 9	29°46	15°35	24°11	23°56	14°10	n.a.	F 5
S 6	22 2 32	28°40'18	20°14	23°34	11°34	24°24	7°11	9°43	7°10	29°48	15°34	24°11	23°53	14°16	n.a.	S 6
S 7	22 6 28	29°40'09	4♐23	25°17	12°13	24°50	7°23	9°41	7°11	29°50	15°34	24°D11	23°49	14°23	n.a.	S 7
M 8	22 10 25	0♍40'02	18°38	27° 0	12°52	25°16	7°35	9°39	7°12	29°52	15°33	24°11	23°46	14°30	n.a.	M 8
T 9	22 14 21	1°39'57	2♑56	28°43	13°29	25°42	7°48	9°37	7°13	29°54	15°32	24°12	23°43	14°36	n.a.	T 9
W10	22 18 18	2°39'54	17°14	0♍25	14° 5	26° 9	8° 0	9°35	7°14	29°56	15°31	24°12	23°40	14°43	n.a.	W10
T 11	22 22 14	3°39'52	1♒28	2° 6	14°40	26°36	8°12	9°33	7°15	29°58	15°30	24°13	23°37	14°50	n.a.	T 11
F 12	22 26 11	4°39'53	15°34	3°47	15°14	27° 3	8°24	9°32	7°16	29°59	15°30	24°14	23°34	14°57	n.a.	F 12
S 13	22 30 7	5°39'55	29°29	5°27	15°46	27°31	8°36	9°30	7°17	0♎ 2	15°29	24°R14	23°30	15° 3	n.a.	S 13
S 14	22 34 4	6°39'59	13♓ 9	7° 7	16°16	27°59	8°49	9°29	7°17	0° 4	15°28	24°13	23°27	15°10	n.a.	S 14
M15	22 38 1	7°40'05	26°32	8°46	16°45	28°27	9° 1	9°27	7°18	0° 6	15°27	24°12	23°24	15°17	n.a.	M15
T 16	22 41 57	8°40'13	9♈36	10°24	17°12	28°56	9°14	9°26	7°19	0° 8	15°27	24°10	23°21	15°23	n.a.	T 16
W17	22 45 54	9°40'24	22°21	12° 3	17°38	29°25	9°26	9°25	7°19	0°10	15°26	24° 8	23°18	15°30	n.a.	W17
T 18	22 49 50	10°40'37	4♉49	13°40	18° 2	29°54	9°39	9°24	7°20	0°13	15°25	24° 5	23°15	15°37	n.a.	T 18
F 19	22 53 47	11°40'51	17° 2	15°17	18°24	0♑23	9°52	9°23	7°20	0°15	15°25	24° 3	23°11	15°44	n.a.	F 19
S 20	22 57 43	12°41'09	29° 4	16°54	18°45	0°53	10° 4	9°22	7°21	0°17	15°24	24° 2	23° 8	15°50	n.a.	S 20
S 21	23 1 40	13°41'28	10♊58	18°30	19° 3	1°23	10°17	9°21	7°21	0°19	15°24	24°D 1	23° 5	15°57	n.a.	S 21
M22	23 5 36	14°41'49	22°50	20° 6	19°20	1°54	10°30	9°21	7°22	0°21	15°23	24° 1	23° 2	16° 4	n.a.	M22
T 23	23 9 33	15°42'13	4♋44	21°41	19°34	2°24	10°43	9°20	7°22	0°24	15°23	24° 2	22°59	16°10	n.a.	T 23
W24	23 13 30	16°42'39	16°45	23°16	19°47	2°55	10°56	9°20	7°22	0°26	15°22	24° 4	22°55	16°17	n.a.	W24
T 25	23 17 26	17°43'07	28°58	24°50	19°57	3°26	11° 9	9°19	7°22	0°28	15°22	24° 6	22°52	16°24	n.a.	T 25
F 26	23 21 23	18°43'37	11♌26	26°24	20° 6	3°58	11°22	9°19	7°22	0°30	15°21	24° 7	22°49	16°31	n.a.	F 26
S 27	23 25 19	19°44'09	24°12	27°58	20°12	4°29	11°35	9°D19	7°R22	0°32	15°21	24°R 8	22°46	16°37	n.a.	S 27
S 28	23 29 16	20°44'42	7♍18	29°31	20°15	5° 1	11°48	9°19	7°22	0°35	15°20	24° 7	22°43	16°44	n.a.	S 28
M29	23 33 12	21°45'18	20°44	1♎ 4	20°R17	5°33	12° 1	9°19	7°22	0°37	15°20	24° 5	22°40	16°51	n.a.	M29
T 30	23 37 9	22♍45'55	4♎28	2♎37	20♎15	6♑ 5	12♎14	9♑19	7♊22	0♎39	15♑20	24♒ 1	22♒36	16♊57	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n52	5n47	1s36	18n28	1n52	7s27	4s37	27s52	4s12	1s34	1n 2	24s35	1s 5	22n 1	0n 7	2n 1	2n 3	35s32	12s41	13s42	13s43	27n41		n.a.
T 2	13 32	0s31	2 43	17 54	1 50	7 51	4 43	27 50	4 9	1 39	1 1	24 35	1 5	22 1	0 7	2 0	2 3	35 32	12 41	13 42	13 44	27 42		n.a.
W 3	13 12	6 52	3 42	17 19	1 48	8 15	4 50	27 49	4 6	1 44	1 1	24 36	1 5	22 1	0 7	2 0	2 3	35 32	12 41	13 42	13 46	27 42		n.a.
T 4	12 51	13 0	4 29	16 43	1 45	8 38	4 56	27 47	4 3	1 49	1 1	24 36	1 5	22 1	0 7	1 59	2 3	35 32	12 40	13 42	13 47	27 43		n.a.
F 5	12 30	18 34	5 1	16 5	1 41	9 1	5 3	27 45	4 0	1 54	1 1	24 36	1 5	22 2	0 7	1 58	2 3	35 32	12 40	13 43	13 48	27 43		n.a.
S 6	12 9	23 12	5 16	15 27	1 38	9 23	5 9	27 44	3 58	1 59	1 1	24 36	1 5	22 2	0 7	1 57	2 3	35 32	12 40	13 43	13 49	27 44		n.a.
S 7	11 48	26 31	5 12	14 48	1 34	9 45	5 16	27 42	3 55	2 4	1 1	24 36	1 5	22 2	0 7	1 56	2 3	35 32	12 40	13 43	13 50	27 44		n.a.
M 8	11 27	28 11	4 49	14 8	1 29	10 6	5 22	27 40	3 52	2 9	1 0	24 36	1 5	22 2	0 7	1 55	2 2	35 32	12 40	13 43	13 51	27 45		n.a.
T 9	11 5	27 59	4 7	13 28	1 25	10 26	5 28	27 38	3 49	2 14	1 0	24 37	1 5	22 2	0 7	1 54	2 2	35 32	12 39	13 42	13 52	27 45		n.a.
W10	10 43	25 55	3 11	12 46	1 20	10 46	5 34	27 36	3 46	2 19	1 0	24 37	1 5	22 3	0 7	1 54	2 2	35 31	12 39	13 42	13 53	27 46		n.a.
T 11	10 21	22 12	2 3	12 5	1 14	11 5	5 40	27 34	3 43	2 24	1 0	24 37	1 5	22 3	0 7	1 53	2 2	35 31	12 39	13 42	13 54	27 46		n.a.
F 12	9 59	17 14	0 48	11 23	1 9	11 24	5 46	27 32	3 41	2 29	1 0	24 37	1 5	22 3	0 7	1 52	2 2	35 31	12 39	13 42	13 55	27 47		n.a.
S 13	9 36	11 25	0n29	10 40	1 4	11 42	5 51	27 30	3 38	2 34	1 0	24 37	1 5	22 3	0 7	1 51	2 2	35 31	12 39	13 42	13 56	27 47		n.a.
S 14	9 14	5 10	1 43	9 57	0 58	11 59	5 57	27 27	3 35	2 39	0 59	24 37	1 5	22 3	0 7	1 50	2 2	35 31	12 38	13 42	13 57	27 48		n.a.
M15	8 51	1n11	2 49	9 14	0 52	12 15	6 2	27 25	3 32	2 44	0 59	24 37	1 5	22 3	0 7	1 49	2 2	35 31	12 38	13 42	13 58	27 48		n.a.
T 16	8 28	7 19	3 45	8 31	0 46	12 31	6 8	27 23	3 30	2 49	0 59	24 37	1 5	22 4	0 7	1 48	2 2	35 31	12 38	13 43	13 59	27 49		n.a.
W17	8 5	13 0	4 28	7 47	0 40	12 46	6 13	27 20	3 27	2 54	0 59	24 37	1 5	22 4	0 7	1 48	2 2	35 31	12 38	13 44	14 0	27 49		n.a.
T 18	7 42	18 2	4 58	7 3	0 34	12 59	6 17	27 18	3 24	3 0	0 59	24 37	1 5	22 4	0 7	1 47	2 2	35 31	12 38	13 44	14 2	27 50		n.a.
F 19	7 19	22 13	5 13	6 19	0 27	13 12	6 22	27 15	3 22	3 5	0 59	24 37	1 4	22 4	0 7	1 46	2 2	35 30	12 37	13 45	14 3	27 50		n.a.
S 20	6 55	25 25	5 14	5 35	0 21	13 24	6 26	27 12	3 19	3 10	0 59	24 37	1 4	22 4	0 7	1 45	2 2	35 30	12 37	13 46	14 4	27 50		n.a.
S 21	6 32	27 29	5 2	4 51	0 14	13 35	6 30	27 9	3 16	3 15	0 58	24 37	1 4	22 4	0 7	1 44	2 2	35 30	12 37	13 46	14 5	27 51		n.a.
M22	6 8	28 17	4 36	4 7	0 8	13 45	6 34	27 6	3 14	3 20	0 58	24 38	1 4	22 4	0 7	1 43	2 2	35 30	12 37	13 46	14 6	27 51		n.a.
T 23	5 44	27 47	3 59	3 23	0 1	13 54	6 37	27 3	3 11	3 26	0 58	24 38	1 4	22 4	0 7	1 42	2 2	35 30	12 36	13 45	14 7	27 52		n.a.
W24	5 20	25 59	3 11	2 39	0s 5	14 2	6 41	27 0	3 9	3 31	0 58	24 38	1 4	22 4	0 7	1 41	2 2	35 30	12 36	13 45	14 8	27 52		n.a.
T 25	4 57	22 56	2 14	1 55	0 12	14 8	6 43	26 57	3 6	3 36	0 58	24 38	1 4	22 4	0 7	1 40	2 2	35 29	12 36	13 44	14 9	27 52		n.a.
F 26	4 32	18 47	1 9	1 11	0 18	14 14	6 46	26 53	3 4	3 42	0 58	24 38	1 4	22 4	0 7	1 39	2 2	35 29	12 36	13 44	14 10	27 53		n.a.
S 27	4 8	13 42	0s 0	0 27	0 25	14 18	6 48	26 50	3 1	3 47	0 58	24 38	1 4	22 4	0 7	1 39	2 2	35 29	12 36	13 44	14 11	27 53		n.a.
S 28	3 44	7 53	1 12	0s17	0 31	14 21	6 49	26 46	2 59	3 52	0 57	24 37	1 4	22 4	0 7	1 38	2 2	35 29	12 35	13 44	14 12	27 53		n.a.
M29	3 20	1 36	2 21	1 1	0 38	14 22	6 50	26 42	2 56	3 57	0 57	24 37	1 4	22 4	0 7	1 37	2 2	35 29	12 35	13 45	14 13	27 54		n.a.
T 30	2n55	4s54	3s23	1s44	0s44	14s23	6s51	26s38	2s54	4s 3	0n57	24s37	1s 4	22n 4	0n 7	1n36	2n 2	35s28	12s35	13s46	14s14	27n54		n.a.

Julian Day Number = 1115351.5, Delta T = 10h47m56s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'47, Lahiri = -26°50'47 Julian Calendar 1 Sept. 1660 BCE == Greg. Calendar 18 Aug. 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

OCTOBER 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 41 5	23♍46'33	18♎27	4♎ 9	20°R12	6♑38	12♎27	9♑20	7°R22	0♎41	15°R19	23°R57	22♒33	17♊ 4	n.a.	W 1
T 2	23 45 2	24°47'14	2♏37	5°41	20♎ 6	7°11	12°40	9°20	7♊22	0°44	15♑19	23♒52	22°30	17°11	n.a.	T 2
F 3	23 48 58	25°47'56	16°53	7°13	19°58	7°44	12°53	9°21	7°22	0°46	15°19	23°48	22°27	17°18	n.a.	F 3
S 4	23 52 55	26°48'39	1♐11	8°44	19°47	8°17	13° 7	9°21	7°21	0°48	15°18	23°44	22°24	17°24	n.a.	S 4
S 5	23 56 52	27°49'24	15°27	10°15	19°34	8°50	13°20	9°22	7°21	0°50	15°18	23°42	22°20	17°31	n.a.	S 5
M 6	0 0 48	28°50'10	29°38	11°46	19°18	9°24	13°33	9°23	7°20	0°53	15°18	23°D41	22°17	17°38	n.a.	M 6
T 7	0 4 45	29°50'57	13♑42	13°16	19° 0	9°58	13°47	9°24	7°20	0°55	15°18	23°42	22°14	17°44	n.a.	T 7
W 8	0 8 41	0♎51'45	27°38	14°46	18°39	10°31	14° 0	9°25	7°19	0°57	15°18	23°43	22°11	17°51	n.a.	W 8
T 9	0 12 38	1°52'35	11♒26	16°16	18°17	11° 5	14°13	9°26	7°19	0°59	15°17	23°45	22° 8	17°58	n.a.	T 9
F 10	0 16 34	2°53'25	25° 4	17°46	17°52	11°40	14°27	9°27	7°18	1° 2	15°17	23°R45	22° 5	18° 5	n.a.	F 10
S 11	0 20 31	3°54'17	8♓32	19°15	17°25	12°14	14°40	9°29	7°17	1° 4	15°17	23°44	22° 1	18°11	n.a.	S 11
S 12	0 24 27	4°55'10	21°48	20°43	16°56	12°49	14°54	9°30	7°17	1° 6	15°17	23°41	21°58	18°18	n.a.	S 12
M13	0 28 24	5°56'04	4♈53	22°11	16°26	13°23	15° 7	9°32	7°16	1° 8	15°17	23°36	21°55	18°25	n.a.	M13
T 14	0 32 21	6°57'00	17°43	23°39	15°54	13°58	15°21	9°34	7°15	1°11	15°D17	23°29	21°52	18°31	n.a.	T 14
W15	0 36 17	7°57'57	0♉20	25° 6	15°21	14°33	15°34	9°35	7°14	1°13	15°17	23°20	21°49	18°38	n.a.	W15
T 16	0 40 14	8°58'55	12°44	26°32	14°46	15° 8	15°48	9°37	7°13	1°15	15°17	23°12	21°46	18°45	n.a.	T 16
F 17	0 44 10	9°59'55	24°54	27°57	14°11	15°44	16° 1	9°39	7°12	1°17	15°17	23° 3	21°42	18°51	n.a.	F 17
S 18	0 48 7	11° 0'56	6♊55	29°22	13°35	16°19	16°15	9°42	7°11	1°20	15°17	22°56	21°39	18°58	n.a.	S 18
S 19	0 52 3	12° 1'59	18°48	0♏46	12°59	16°54	16°28	9°44	7°10	1°22	15°18	22°51	21°36	19° 5	n.a.	S 19
M20	0 56 0	13° 3'03	0♋39	2° 8	12°22	17°30	16°42	9°46	7° 9	1°24	15°18	22°48	21°33	19°12	n.a.	M20
T 21	0 59 56	14° 4'08	12°31	3°29	11°46	18° 6	16°56	9°49	7° 7	1°26	15°18	22°D47	21°30	19°18	n.a.	T 21
W22	1 3 53	15° 5'14	24°29	4°49	11°10	18°42	17° 9	9°51	7° 6	1°28	15°18	22°47	21°26	19°25	n.a.	W22
T 23	1 7 50	16° 6'22	6♌40	6° 7	10°35	19°18	17°23	9°54	7° 5	1°31	15°18	22°48	21°23	19°32	n.a.	T 23
F 24	1 11 46	17° 7'31	19° 8	7°23	10° 0	19°54	17°36	9°56	7° 3	1°33	15°19	22°R49	21°20	19°38	n.a.	F 24
S 25	1 15 43	18° 8'41	1♍58	8°37	9°27	20°30	17°50	9°59	7° 2	1°35	15°19	22°49	21°17	19°45	n.a.	S 25
S 26	1 19 39	19° 9'52	15°12	9°47	8°55	21° 6	18° 4	10° 2	7° 1	1°37	15°19	22°46	21°14	19°52	n.a.	S 26
M27	1 23 36	20°11'04	28°51	10°55	8°25	21°43	18°17	10° 5	6°59	1°39	15°19	22°41	21°11	19°59	n.a.	M27
T 28	1 27 32	21°12'18	12♎56	11°59	7°56	22°19	18°31	10° 8	6°57	1°42	15°20	22°34	21° 7	20° 5	n.a.	T 28
W29	1 31 29	22°13'31	27°21	12°59	7°29	22°56	18°44	10°12	6°56	1°44	15°20	22°25	21° 4	20°12	n.a.	W29
T 30	1 35 25	23°14'46	12♏ 1	13°55	7° 4	23°33	18°58	10°15	6°54	1°46	15°21	22°15	21° 1	20°19	n.a.	T 30
F 31	1 39 22	24♎16'02	26♏46	14♏44	6♎41	24♑10	19♎12	10♑18	6♊53	1♎48	15♑21	22♒ 5	20♒58	20♊25	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n31	11s16	4s14	2s27	0s51	14s21	6s51	26s34	2s51	4s 8	0n57	24s37	1s 4	22n 4	0n 7	1n35	2n 2	35s28	12s35	13s47	14s15	27n54		n.a.
T 2	2 7	17 8	4 51	3 10	0 57	14 18	6 51	26 30	2 49	4 13	0 57	24 37	1 4	22 4	0 7	1 34	2 2	35 28	12 34	13 49	14 16	27 55		n.a.
F 3	1 42	22 7	5 9	3 53	1 3	14 14	6 50	26 26	2 46	4 19	0 57	24 37	1 4	22 4	0 7	1 33	2 2	35 28	12 34	13 50	14 17	27 55		n.a.
S 4	1 17	25 49	5 9	4 35	1 9	14 8	6 48	26 21	2 44	4 24	0 57	24 37	1 4	22 4	0 8	1 32	2 2	35 28	12 34	13 52	14 18	27 55		n.a.
S 5	0 53	27 53	4 50	5 17	1 15	14 1	6 45	26 17	2 42	4 29	0 57	24 37	1 4	22 4	0 8	1 31	2 2	35 27	12 34	13 52	14 20	27 56		n.a.
M 6	0 28	28 6	4 13	5 59	1 21	13 52	6 42	26 12	2 39	4 35	0 57	24 37	1 4	22 4	0 8	1 30	2 2	35 27	12 33	13 53	14 21	27 56		n.a.
T 7	0 4	26 30	3 21	6 40	1 27	13 42	6 39	26 7	2 37	4 40	0 56	24 37	1 4	22 4	0 8	1 29	2 2	35 27	12 33	13 52	14 22	27 56		n.a.
W 8	0s21	23 16	2 17	7 21	1 33	13 30	6 34	26 2	2 35	4 46	0 56	24 37	1 4	22 4	0 8	1 28	2 2	35 27	12 33	13 52	14 23	27 57		n.a.
T 9	0 46	18 44	1 7	8 1	1 38	13 16	6 29	25 57	2 33	4 51	0 56	24 37	1 4	22 4	0 8	1 28	2 2	35 26	12 32	13 51	14 24	27 57		n.a.
F 10	1 10	13 18	0n 7	8 41	1 43	13 1	6 23	25 52	2 30	4 56	0 56	24 37	1 4	22 4	0 8	1 27	2 2	35 26	12 32	13 51	14 25	27 57		n.a.
S 11	1 35	7 18	1 19	9 20	1 48	12 44	6 17	25 46	2 28	5 2	0 56	24 36	1 4	22 4	0 8	1 26	2 2	35 26	12 32	13 52	14 26	27 57		n.a.
S 12	1 59	1 5	2 26	9 59	1 53	12 26	6 9	25 41	2 26	5 7	0 56	24 36	1 4	22 4	0 8	1 25	2 2	35 26	12 32	13 53	14 27	27 58		n.a.
M13	2 24	5n 5	3 24	10 37	1 58	12 6	6 1	25 35	2 24	5 12	0 56	24 36	1 4	22 4	0 8	1 24	2 2	35 25	12 31	13 54	14 28	27 58		n.a.
T 14	2 49	10 55	4 10	11 14	2 2	11 46	5 52	25 29	2 22	5 18	0 56	24 36	1 4	22 3	0 8	1 23	2 2	35 25	12 31	13 57	14 29	27 58		n.a.
W15	3 13	16 12	4 43	11 50	2 6	11 23	5 42	25 23	2 19	5 23	0 56	24 36	1 4	22 3	0 8	1 22	2 2	35 25	12 31	14 0	14 30	27 58		n.a.
T 16	3 37	20 44	5 2	12 26	2 10	11 0	5 32	25 17	2 17	5 29	0 56	24 36	1 4	22 3	0 8	1 21	2 2	35 25	12 31	14 3	14 31	27 58		n.a.
F 17	4 2	24 18	5 7	13 1	2 13	10 36	5 20	25 11	2 15	5 34	0 55	24 35	1 4	22 3	0 8	1 20	2 2	35 24	12 30	14 5	14 32	27 59		n.a.
S 18	4 26	26 46	4 58	13 34	2 16	10 11	5 8	25 4	2 13	5 39	0 55	24 35	1 4	22 3	0 8	1 19	2 2	35 24	12 30	14 8	14 33	27 59		n.a.
S 19	4 51	28 0	4 37	14 7	2 19	9 45	4 56	24 58	2 11	5 45	0 55	24 35	1 4	22 3	0 8	1 19	2 2	35 24	12 30	14 9	14 34	27 59		n.a.
M20	5 15	27 57	4 3	14 38	2 21	9 18	4 43	24 51	2 9	5 50	0 55	24 35	1 4	22 2	0 8	1 18	2 2	35 23	12 30	14 10	14 35	27 59		n.a.
T 21	5 39	26 36	3 19	15 9	2 23	8 51	4 29	24 44	2 7	5 55	0 55	24 35	1 4	22 2	0 8	1 17	2 2	35 23	12 29	14 11	14 36	27 59		n.a.
W22	6 3	24 1	2 26	15 37	2 24	8 24	4 15	24 37	2 5	6 1	0 55	24 34	1 4	22 2	0 8	1 16	2 2	35 23	12 29	14 11	14 37	27 59		n.a.
T 23	6 27	20 20	1 26	16 5	2 25	7 56	4 1	24 30	2 3	6 6	0 55	24 34	1 4	22 2	0 8	1 15	2 2	35 23	12 29	14 10	14 38	28 0		n.a.
F 24	6 51	15 41	0 20	16 30	2 25	7 29	3 46	24 23	2 1	6 12	0 55	24 34	1 4	22 2	0 8	1 14	2 2	35 22	12 28	14 10	14 39	28 0		n.a.
S 25	7 15	10 13	0s49	16 54	2 24	7 2	3 31	24 15	1 59	6 17	0 55	24 34	1 4	22 1	0 8	1 13	2 2	35 22	12 28	14 10	14 40	28 0		n.a.
S 26	7 38	4 9	1 57	17 16	2 23	6 35	3 15	24 8	1 57	6 22	0 55	24 33	1 3	22 1	0 8	1 12	2 2	35 22	12 28	14 11	14 41	28 0		n.a.
M27	8 2	2s17	3 0	17 36	2 21	6 8	3 0	24 0	1 55	6 28	0 55	24 33	1 3	22 1	0 8	1 12	2 2	35 21	12 28	14 13	14 42	28 0		n.a.
T 28	8 25	8 47	3 54	17 54	2 18	5 42	2 44	23 52	1 53	6 33	0 55	24 33	1 3	22 1	0 8	1 11	2 2	35 21	12 27	14 15	14 44	28 0		n.a.
W29	8 49	14 59	4 35	18 9	2 14	5 17	2 28	23 44	1 51	6 38	0 55	24 33	1 3	22 0	0 8	1 10	2 2	35 21	12 27	14 18	14 45	28 0		n.a.
T 30	9 12	20 27	4 59	18 21	2 9	4 53	2 13	23 35	1 50	6 44	0 55	24 32	1 3	22 0	0 8	1 9	2 2	35 20	12 27	14 21	14 46	28 0		n.a.
F 31	9s35	24s42	5s 2	18s31	2s 2	4s29	1s57	23s27	1s48	6s49	0n54	24s32	1s 3	22n 0	0n 8	1n 8	2n 2	35s20	12s27	14s25	14s47	28n 0		n.a.

Julian Day Number = 1115381.5, Delta T = 10h47m54s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'43, Lahiri = -26°50'43 Julian Calendar 1 Oct. 1660 BCE == Greg. Calendar 17 Sept. 1660 BCE

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

NOVEMBER 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 43 19	25♎17'17	11♐30	15♏28	6°R20	24♑47	19♎25	10♑22	6°R51	1♎50	15♑22	21°R56	20♒55	20♊32	n.a.	S 1
S 2	1 47 15	26°18'34	26° 5	16° 4	6♎ 2	25°24	19°39	10°25	6♊49	1°52	15°22	21♒50	20°52	20°39	n.a.	S 2
M 3	1 51 12	27°19'50	10♑27	16°33	5°46	26° 1	19°52	10°29	6°47	1°54	15°23	21°47	20°48	20°46	n.a.	M 3
T 4	1 55 8	28°21'07	24°32	16°53	5°32	26°38	20° 6	10°33	6°45	1°56	15°23	21°D46	20°45	20°52	n.a.	T 4
W 5	1 59 5	29°22'24	8♒20	17°R 3	5°21	27°15	20°19	10°37	6°43	1°58	15°24	21°46	20°42	20°59	n.a.	W 5
T 6	2 3 1	0♏23'41	21°53	17° 3	5°12	27°52	20°33	10°41	6°42	2° 1	15°24	21°R46	20°39	21° 6	n.a.	T 6
F 7	2 6 58	1°24'58	5♓10	16°52	5° 6	28°30	20°46	10°45	6°40	2° 3	15°25	21°45	20°36	21°12	n.a.	F 7
S 8	2 10 55	2°26'16	18°16	16°29	5° 3	29° 7	21° 0	10°49	6°38	2° 5	15°25	21°42	20°32	21°19	n.a.	S 8
S 9	2 14 51	3°27'33	1♈ 9	15°54	5°D 1	29°45	21°13	10°53	6°36	2° 7	15°26	21°37	20°29	21°26	n.a.	S 9
M10	2 18 48	4°28'50	13°52	15° 8	5° 3	0♒23	21°27	10°57	6°33	2° 9	15°27	21°28	20°26	21°32	n.a.	M10
T 11	2 22 44	5°30'08	26°26	14°11	5° 6	1° 0	21°40	11° 2	6°31	2°11	15°28	21°16	20°23	21°39	n.a.	T 11
W12	2 26 41	6°31'26	8♉49	13° 5	5°12	1°38	21°54	11° 6	6°29	2°13	15°28	21° 3	20°20	21°46	n.a.	W12
T 13	2 30 37	7°32'44	21° 3	11°51	5°21	2°16	22° 7	11°11	6°27	2°14	15°29	20°48	20°17	21°53	n.a.	T 13
F 14	2 34 34	8°34'02	3♊ 8	10°32	5°32	2°54	22°20	11°15	6°25	2°16	15°30	20°34	20°13	21°59	n.a.	F 14
S 15	2 38 30	9°35'21	15° 5	9°11	5°44	3°32	22°34	11°20	6°23	2°18	15°31	20°22	20°10	22° 6	n.a.	S 15
S 16	2 42 27	10°36'40	26°56	7°49	6° 0	4° 9	22°47	11°25	6°20	2°20	15°31	20°12	20° 7	22°13	n.a.	S 16
M17	2 46 24	11°37'59	8♋45	6°30	6°17	4°47	23° 0	11°30	6°18	2°22	15°32	20° 5	20° 4	22°19	n.a.	M17
T 18	2 50 20	12°39'18	20°35	5°16	6°36	5°26	23°14	11°35	6°16	2°24	15°33	20° 1	20° 1	22°26	n.a.	T 18
W19	2 54 17	13°40'37	2♌31	4°10	6°57	6° 4	23°27	11°40	6°13	2°26	15°34	19°59	19°58	22°33	n.a.	W19
T 20	2 58 13	14°41'56	14°38	3°12	7°20	6°42	23°40	11°45	6°11	2°27	15°35	19°59	19°54	22°39	n.a.	T 20
F 21	3 2 10	15°43'16	27° 1	2°24	7°45	7°20	23°53	11°50	6° 9	2°29	15°36	19°59	19°51	22°46	n.a.	F 21
S 22	3 6 6	16°44'35	9♍46	1°45	8°12	7°58	24° 6	11°55	6° 6	2°31	15°37	19°58	19°48	22°53	n.a.	S 22
S 23	3 10 3	17°45'55	22°58	1°18	8°40	8°37	24°19	12° 1	6° 4	2°33	15°38	19°55	19°45	23° 0	n.a.	S 23
M24	3 14 0	18°47'14	6♎38	1° 0	9°10	9°15	24°32	12° 6	6° 1	2°34	15°39	19°49	19°42	23° 6	n.a.	M24
T 25	3 17 56	19°48'34	20°49	0°D52	9°42	9°53	24°45	12°11	5°59	2°36	15°40	19°40	19°38	23°13	n.a.	T 25
W26	3 21 53	20°49'53	5♏26	0°53	10°15	10°32	24°58	12°17	5°56	2°38	15°41	19°30	19°35	23°20	n.a.	W26
T 27	3 25 49	21°51'12	20°23	1° 3	10°50	11°10	25°11	12°23	5°54	2°39	15°42	19°17	19°32	23°26	n.a.	T 27
F 28	3 29 46	22°52'30	5♐32	1°20	11°26	11°49	25°24	12°28	5°51	2°41	15°43	19° 5	19°29	23°33	n.a.	F 28
S 29	3 33 42	23°53'48	20°41	1°45	12° 3	12°27	25°37	12°34	5°49	2°43	15°44	18°55	19°26	23°40	n.a.	S 29
S 30	3 37 39	24♏55'06	5♑40	2♏15	12♎42	13♒ 6	25♎50	12♑40	5♊46	2♎44	15♑45	18♒47	19♒23	23♊46	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	9s58	27s18	4s46	18s37	1s55	4s 7	1s42	23s18	1s46	6s54	0n54	24s32	1s 3	22n 0	0n 8	1n 7	2n 2	35s20	12s26	14s27	14s48	28n 1			n.a.
S 2	10 20	28 1	4 11	18 39	1 47	3 46	1 27	23 10	1 44	6 59	0 54	24 31	1 3	21 59	0 8	1 6	2 2	35 19	12 26	14 29	14 49	28 1			n.a.
M 3	10 43	26 49	3 21	18 38	1 37	3 26	1 12	23 1	1 42	7 5	0 54	24 31	1 3	21 59	0 8	1 6	2 2	35 19	12 26	14 31	14 50	28 1			n.a.
T 4	11 5	23 54	2 19	18 33	1 25	3 7	0 57	22 52	1 40	7 10	0 54	24 31	1 3	21 59	0 8	1 5	2 2	35 19	12 25	14 31	14 51	28 1			n.a.
W 5	11 27	19 40	1 11	18 24	1 12	2 49	0 43	22 43	1 39	7 15	0 54	24 30	1 3	21 58	0 8	1 4	2 2	35 18	12 25	14 31	14 52	28 1			n.a.
T 6	11 49	14 28	0n 1	18 10	0 58	2 33	0 29	22 33	1 37	7 20	0 54	24 30	1 3	21 58	0 8	1 3	2 3	35 18	12 25	14 31	14 53	28 1			n.a.
F 7	12 11	8 42	1 11	17 52	0 42	2 18	0 15	22 24	1 35	7 26	0 54	24 30	1 3	21 58	0 8	1 2	2 3	35 18	12 25	14 31	14 54	28 1			n.a.
S 8	12 33	2 39	2 16	17 29	0 25	2 4	0 2	22 14	1 33	7 31	0 54	24 29	1 3	21 57	0 8	1 2	2 3	35 17	12 24	14 32	14 55	28 1			n.a.
S 9	12 54	3n24	3 12	17 1	0 7	1 52	0n11	22 5	1 32	7 36	0 54	24 29	1 3	21 57	0 8	1 1	2 3	35 17	12 24	14 34	14 56	28 1			n.a.
M10	13 15	9 14	3 59	16 29	0n13	1 41	0 24	21 55	1 30	7 41	0 54	24 29	1 3	21 57	0 8	1 0	2 3	35 17	12 24	14 37	14 57	28 1			n.a.
T 11	13 36	14 36	4 33	15 53	0 33	1 31	0 36	21 45	1 28	7 46	0 54	24 28	1 3	21 56	0 8	0 59	2 3	35 16	12 24	14 41	14 58	28 1			n.a.
W12	13 57	19 19	4 53	15 13	0 53	1 23	0 47	21 35	1 27	7 51	0 54	24 28	1 3	21 56	0 8	0 59	2 3	35 16	12 23	14 45	14 59	28 1			n.a.
T 13	14 17	23 10	5 0	14 31	1 13	1 16	0 59	21 24	1 25	7 56	0 54	24 27	1 3	21 56	0 8	0 58	2 3	35 16	12 23	14 50	15 0	28 1			n.a.
F 14	14 37	25 58	4 53	13 48	1 33	1 11	1 9	21 14	1 23	8 2	0 54	24 27	1 3	21 55	0 8	0 57	2 3	35 15	12 23	14 54	15 1	28 1			n.a.
S 15	14 57	27 33	4 33	13 4	1 51	1 6	1 20	21 3	1 22	8 7	0 54	24 27	1 3	21 55	0 8	0 56	2 3	35 15	12 23	14 58	15 2	28 1			n.a.
S 16	15 17	27 53	4 1	12 22	2 8	1 3	1 30	20 53	1 20	8 12	0 54	24 26	1 3	21 54	0 8	0 56	2 3	35 15	12 23	15 1	15 3	28 1			n.a.
M17	15 36	26 55	3 19	11 41	2 23	1 2	1 39	20 42	1 19	8 17	0 54	24 26	1 3	21 54	0 8	0 55	2 3	35 14	12 22	15 4	15 4	28 1			n.a.
T 18	15 56	24 44	2 29	11 5	2 36	1 1	1 48	20 31	1 17	8 22	0 54	24 25	1 3	21 54	0 8	0 54	2 3	35 14	12 22	15 5	15 5	28 1			n.a.
W19	16 14	21 27	1 31	10 32	2 47	1 2	1 57	20 20	1 15	8 27	0 54	24 25	1 3	21 53	0 8	0 54	2 3	35 14	12 22	15 6	15 6	28 0			n.a.
T 20	16 33	17 12	0 28	10 5	2 55	1 3	2 5	20 8	1 14	8 32	0 54	24 24	1 3	21 53	0 8	0 53	2 3	35 13	12 22	15 6	15 7	28 0			n.a.
F 21	16 51	12 9	0s37	9 42	3 1	1 6	2 13	19 57	1 12	8 37	0 54	24 24	1 3	21 53	0 8	0 52	2 3	35 13	12 21	15 6	15 8	28 0			n.a.
S 22	17 9	6 28	1 43	9 25	3 5	1 10	2 20	19 46	1 11	8 42	0 53	24 23	1 3	21 52	0 8	0 51	2 3	35 13	12 21	15 6	15 9	28 0			n.a.
S 23	17 27	0 20	2 45	9 14	3 7	1 15	2 28	19 34	1 9	8 47	0 53	24 23	1 3	21 52	0 8	0 51	2 3	35 12	12 21	15 7	15 10	28 0			n.a.
M24	17 44	6s 2	3 40	9 7	3 7	1 21	2 34	19 22	1 8	8 51	0 53	24 22	1 3	21 51	0 8	0 50	2 3	35 12	12 21	15 9	15 11	28 0			n.a.
T 25	18 1	12 19	4 23	9 6	3 6	1 28	2 41	19 10	1 6	8 56	0 53	24 22	1 3	21 51	0 8	0 50	2 3	35 12	12 20	15 12	15 12	28 0			n.a.
W26	18 18	18 8	4 51	9 8	3 3	1 35	2 47	18 58	1 5	9 1	0 53	24 21	1 3	21 50	0 8	0 49	2 3	35 11	12 20	15 15	15 13	28 0			n.a.
T 27	18 34	22 59	5 0	9 15	3 0	1 44	2 52	18 46	1 4	9 6	0 53	24 21	1 3	21 50	0 8	0 48	2 3	35 11	12 20	15 19	15 14	28 0			n.a.
F 28	18 50	26 21	4 48	9 26	2 55	1 53	2 57	18 34	1 2	9 11	0 53	24 20	1 3	21 50	0 8	0 48	2 3	35 11	12 20	15 23	15 15	27 59			n.a.
S 29	19 6	27 48	4 16	9 39	2 50	2 4	3 2	18 21	1 1	9 15	0 53	24 20	1 3	21 49	0 8	0 47	2 4	35 10	12 20	15 26	15 16	27 59			n.a.
S 30	19s21	27s12	3s26	9s56	2n43	2s15	3n 7	18s 9	0s59	9s20	0n53	24s19	1s 3	21n49	0n 8	0n47	2n 4	35s10	12s19	15s29	15s17	27n59			n.a.

Julian Day Number = 1115412.5, Delta T = 10h47m52s
Ecliptic obliquity = 23°53'25, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'39, Lahiri = -26°50'38 Julian Calendar 1 Nov. 1660 BCE == Greg. Calendar 18 Oct. 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1660 BCE
geocentric

DECEMBER 1660 BCE (-1659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 41 36	25♏56'22	20♑21	2♏52	13♎21	13♒44	26♎ 2	12♑46	5°R44	2♎46	15♑46	18°R42	19♒19	23♊53	n.a.	M 1
T 2	3 45 32	26°57'38	4♒40	3°34	14° 2	14°23	26°15	12°52	5♊41	2°47	15°48	18♒40	19°16	24° 0	n.a.	T 2
W 3	3 49 29	27°58'52	18°35	4°21	14°45	15° 2	26°28	12°58	5°39	2°49	15°49	18°D40	19°13	24° 7	n.a.	W 3
T 4	3 53 25	29° 0'06	2♓ 7	5°12	15°28	15°40	26°40	13° 4	5°36	2°50	15°50	18°R40	19°10	24°13	n.a.	T 4
F 5	3 57 22	0♐ 1'18	15°19	6° 7	16°12	16°19	26°53	13°10	5°33	2°52	15°51	18°39	19° 7	24°20	n.a.	F 5
S 6	4 1 18	1° 2'30	28°12	7° 5	16°57	16°58	27° 5	13°16	5°31	2°53	15°52	18°36	19° 3	24°27	n.a.	S 6
S 7	4 5 15	2° 3'40	10♈51	8° 6	17°44	17°37	27°18	13°22	5°28	2°54	15°54	18°30	19° 0	24°33	n.a.	S 7
M 8	4 9 11	3° 4'50	23°18	9°10	18°31	18°15	27°30	13°28	5°25	2°56	15°55	18°22	18°57	24°40	n.a.	M 8
T 9	4 13 8	4° 5'58	5♉36	10°16	19°19	18°54	27°42	13°35	5°23	2°57	15°56	18°11	18°54	24°47	n.a.	T 9
W10	4 17 5	5° 7'05	17°46	11°25	20° 8	19°33	27°54	13°41	5°20	2°58	15°58	17°57	18°51	24°53	n.a.	W10
T 11	4 21 1	6° 8'11	29°49	12°36	20°58	20°12	28° 7	13°47	5°18	3° 0	15°59	17°43	18°48	25° 0	n.a.	T 11
F 12	4 24 58	7° 9'17	11♊46	13°48	21°48	20°51	28°19	13°54	5°15	3° 1	16° 0	17°30	18°44	25° 7	n.a.	F 12
S 13	4 28 54	8°10'21	23°39	15° 3	22°40	21°29	28°31	14° 0	5°12	3° 2	16° 2	17°18	18°41	25°14	n.a.	S 13
S 14	4 32 51	9°11'24	5♋29	16°18	23°32	22° 8	28°43	14° 7	5°10	3° 3	16° 3	17° 8	18°38	25°20	n.a.	S 14
M15	4 36 47	10°12'26	17°19	17°36	24°25	22°47	28°54	14°14	5° 7	3° 4	16° 4	17° 1	18°35	25°27	n.a.	M15
T 16	4 40 44	11°13'28	29°10	18°54	25°18	23°26	29° 6	14°20	5° 5	3° 6	16° 6	16°56	18°32	25°34	n.a.	T 16
W17	4 44 41	12°14'28	11♌ 6	20°14	26°12	24° 5	29°18	14°27	5° 2	3° 7	16° 7	16°55	18°29	25°40	n.a.	W17
T 18	4 48 37	13°15'27	23°12	21°36	27° 7	24°44	29°30	14°34	4°59	3° 8	16° 9	16°D55	18°25	25°47	n.a.	T 18
F 19	4 52 34	14°16'25	5♍33	22°58	28° 3	25°23	29°41	14°40	4°57	3° 9	16°10	16°55	18°22	25°54	n.a.	F 19
S 20	4 56 30	15°17'23	18°13	24°21	28°58	26° 2	29°53	14°47	4°54	3°10	16°11	16°R56	18°19	26° 0	n.a.	S 20
S 21	5 0 27	16°18'19	1♎17	25°45	29°55	26°41	0♏ 4	14°54	4°52	3°11	16°13	16°54	18°16	26° 7	n.a.	S 21
M22	5 4 23	17°19'14	14°50	27°11	0♏52	27°20	0°15	15° 1	4°49	3°12	16°14	16°51	18°13	26°14	n.a.	M22
T 23	5 8 20	18°20'08	28°52	28°37	1°50	27°59	0°27	15° 8	4°47	3°13	16°16	16°45	18° 9	26°21	n.a.	T 23
W24	5 12 16	19°21'01	13♏24	0♐ 4	2°48	28°38	0°38	15°15	4°44	3°13	16°17	16°38	18° 6	26°27	n.a.	W24
T 25	5 16 13	20°21'53	28°20	1°32	3°46	29°17	0°49	15°22	4°41	3°14	16°19	16°29	18° 3	26°34	n.a.	T 25
F 26	5 20 10	21°22'43	13♐34	3° 1	4°45	29°56	1° 0	15°29	4°39	3°15	16°20	16°20	18° 0	26°41	n.a.	F 26
S 27	5 24 6	22°23'32	28°53	4°31	5°45	0♓35	1°11	15°36	4°37	3°16	16°22	16°12	17°57	26°47	n.a.	S 27
S 28	5 28 3	23°24'20	14♑ 7	6° 1	6°44	1°14	1°22	15°43	4°34	3°17	16°23	16° 6	17°54	26°54	n.a.	S 28
M29	5 31 59	24°25'05	29° 6	7°33	7°45	1°53	1°32	15°50	4°32	3°17	16°25	16° 2	17°50	27° 1	n.a.	M29
T 30	5 35 56	25°25'49	13♒42	9° 5	8°45	2°32	1°43	15°57	4°29	3°18	16°27	16°D 1	17°47	27° 7	n.a.	T 30
W31	5 39 52	26♐26'31	27♒52	10♐38	9♏46	3♓11	1♏54	16♑ 5	4♊27	3♎19	16♑28	16♒ 2	17♒44	27♊14	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	19s36	24s41	2s23	10s15	2n37	2s26	3n11	17s56	0s58	9s25	0n53	24s18	1s 3	21n48	0n 8	0n46	2n 4	35s10	12s19	15s30	15s18	27n59			n.a.
T 2	19 51	20 38	1 13	10 36	2 30	2 39	3 15	17 43	0 57	9 30	0 53	24 18	1 3	21 48	0 8	0 45	2 4	35 9	12 19	15 31	15 19	27 59			n.a.
W 3	20 5	15 33	0 0	10 59	2 22	2 52	3 19	17 31	0 55	9 34	0 53	24 17	1 3	21 47	0 8	0 45	2 4	35 9	12 19	15 31	15 20	27 59			n.a.
T 4	20 19	9 49	1n11	11 24	2 14	3 6	3 23	17 18	0 54	9 39	0 53	24 17	1 3	21 47	0 8	0 44	2 4	35 9	12 19	15 31	15 21	27 58			n.a.
F 5	20 32	3 49	2 16	11 50	2 6	3 20	3 26	17 5	0 53	9 43	0 53	24 16	1 3	21 46	0 8	0 44	2 4	35 8	12 19	15 31	15 22	27 58			n.a.
S 6	20 45	2n13	3 13	12 17	1 58	3 35	3 29	16 51	0 51	9 48	0 53	24 15	1 3	21 46	0 8	0 43	2 4	35 8	12 18	15 32	15 23	27 58			n.a.
S 7	20 58	8 1	3 59	12 45	1 50	3 50	3 31	16 38	0 50	9 53	0 53	24 15	1 3	21 45	0 8	0 43	2 4	35 8	12 18	15 34	15 24	27 58			n.a.
M 8	21 10	13 26	4 33	13 13	1 41	4 6	3 34	16 25	0 49	9 57	0 53	24 14	1 3	21 45	0 8	0 42	2 4	35 7	12 18	15 37	15 25	27 57			n.a.
T 9	21 22	18 14	4 53	13 43	1 33	4 23	3 36	16 11	0 47	10 2	0 53	24 14	1 3	21 45	0 9	0 42	2 4	35 7	12 18	15 40	15 26	27 57			n.a.
W10	21 33	22 15	5 1	14 13	1 24	4 40	3 38	15 58	0 46	10 6	0 53	24 13	1 3	21 44	0 9	0 41	2 4	35 7	12 18	15 44	15 27	27 57			n.a.
T 11	21 44	25 16	4 54	14 43	1 15	4 57	3 39	15 44	0 45	10 10	0 53	24 12	1 3	21 44	0 9	0 41	2 4	35 6	12 18	15 49	15 28	27 57			n.a.
F 12	21 55	27 9	4 35	15 13	1 7	5 15	3 41	15 30	0 44	10 15	0 53	24 12	1 3	21 43	0 9	0 40	2 4	35 6	12 17	15 53	15 29	27 56			n.a.
S 13	22 5	27 47	4 3	15 43	0 58	5 33	3 42	15 16	0 42	10 19	0 53	24 11	1 3	21 43	0 9	0 40	2 4	35 6	12 17	15 57	15 30	27 56			n.a.
S 14	22 15	27 7	3 21	16 14	0 50	5 52	3 43	15 2	0 41	10 23	0 53	24 10	1 3	21 42	0 9	0 40	2 4	35 5	12 17	16 0	15 31	27 56			n.a.
M15	22 24	25 14	2 31	16 44	0 42	6 11	3 43	14 48	0 40	10 28	0 53	24 9	1 3	21 42	0 9	0 39	2 4	35 5	12 17	16 2	15 32	27 56			n.a.
T 16	22 33	22 14	1 33	17 14	0 33	6 30	3 44	14 34	0 39	10 32	0 53	24 9	1 3	21 41	0 9	0 39	2 5	35 5	12 17	16 3	15 33	27 55			n.a.
W17	22 41	18 16	0 31	17 44	0 25	6 50	3 44	14 20	0 37	10 36	0 53	24 8	1 3	21 41	0 9	0 38	2 5	35 4	12 17	16 4	15 34	27 55			n.a.
T 18	22 49	13 31	0s34	18 14	0 17	7 9	3 44	14 5	0 36	10 40	0 53	24 7	1 3	21 40	0 9	0 38	2 5	35 4	12 17	16 4	15 35	27 55			n.a.
F 19	22 57	8 8	1 38	18 43	0 9	7 29	3 44	13 51	0 35	10 44	0 53	24 7	1 3	21 40	0 9	0 38	2 5	35 4	12 16	16 3	15 36	27 54			n.a.
S 20	23 4	2 19	2 39	19 12	0 1	7 50	3 44	13 37	0 34	10 49	0 53	24 6	1 3	21 39	0 9	0 37	2 5	35 3	12 16	16 3	15 37	27 54			n.a.
S 21	23 10	3s47	3 34	19 40	0s 6	8 10	3 44	13 22	0 33	10 53	0 53	24 5	1 3	21 39	0 9	0 37	2 5	35 3	12 16	16 4	15 38	27 54			n.a.
M22	23 16	9 55	4 19	20 7	0 14	8 31	3 43	13 7	0 32	10 57	0 53	24 4	1 3	21 38	0 9	0 37	2 5	35 3	12 16	16 5	15 39	27 53			n.a.
T 23	23 22	15 47	4 50	20 34	0 21	8 52	3 42	12 53	0 31	11 1	0 53	24 4	1 3	21 38	0 9	0 36	2 5	35 2	12 16	16 6	15 40	27 53			n.a.
W24	23 27	20 59	5 5	21 0	0 28	9 13	3 41	12 38	0 29	11 5	0 53	24 3	1 3	21 38	0 9	0 36	2 5	35 2	12 16	16 9	15 41	27 53			n.a.
T 25	23 32	25 0	4 59	21 26	0 35	9 34	3 40	12 23	0 28	11 8	0 53	24 2	1 3	21 37	0 9	0 36	2 5	35 2	12 16	16 12	15 42	27 52			n.a.
F 26	23 36	27 21	4 32	21 50	0 42	9 55	3 39	12 8	0 27	11 12	0 53	24 1	1 3	21 37	0 9	0 36	2 5	35 2	12 16	16 14	15 43	27 52			n.a.
S 27	23 40	27 38	3 45	22 14	0 48	10 16	3 38	11 53	0 26	11 16	0 54	24 0	1 3	21 36	0 9	0 35	2 5	35 1	12 16	16 17	15 44	27 52			n.a.
S 28	23 43	25 49	2 43	22 37	0 55	10 37	3 36	11 38	0 25	11 20	0 54	24 0	1 3	21 36	0 9	0 35	2 5	35 1	12 16	16 19	15 45	27 51			n.a.
M29	23 46	22 11	1 30	22 59	1 1	10 58	3 35	11 23	0 24	11 24	0 54	23 59	1 3	21 35	0 9	0 35	2 5	35 1	12 15	16 20	15 46	27 51			n.a.
T 30	23 49	17 13	0 12	23 19	1 7	11 20	3 33	11 7	0 23	11 27	0 54	23 58	1 3	21 35	0 9	0 35	2 5	35 0	12 15	16 20	15 47	27 50			n.a.
W31	23s50	11s27	1n 3	23s39	1s12	11s41	3n31	10s52	0s22	11s31	0n54	23s57	1s 3	21n34	0n 9	0n34	2n 6	35s 0	12s15	16s20	15s48	27n50			n.a.

Julian Day Number = 1115442.5, Delta T = 10h47m50s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'35, Lahiri = -26°50'34 Julian Calendar 1 Dec. 1660 BCE == Greg. Calendar 17 Nov. 1660 BCE

The year -1659 astronomical counting style corresponds to year 1660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

JANUARY 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 43 49	27♐27'11	11♓34	12♐12	10♏48	3♓50	2♏ 4	16♑12	4°R25	3♎19	16♑30	16♒ 3	17♒41	27♊21	n.a.	T 1
F 2	5 47 46	28°27'49	24°51	13°47	11°49	4°29	2°14	16°19	4♊22	3°20	16°31	16°R 4	17°38	27°27	n.a.	F 2
S 3	5 51 42	29°28'25	7♈45	15°22	12°51	5° 8	2°25	16°26	4°20	3°20	16°33	16° 3	17°35	27°34	n.a.	S 3
S 4	5 55 39	0♑28'59	20°20	16°59	13°54	5°47	2°35	16°34	4°18	3°21	16°35	16° 1	17°31	27°41	n.a.	S 4
M 5	5 59 35	1°29'31	2♉40	18°36	14°56	6°26	2°45	16°41	4°15	3°21	16°36	15°57	17°28	27°48	n.a.	M 5
T 6	6 3 32	2°30'01	14°49	20°14	15°59	7° 5	2°55	16°48	4°13	3°22	16°38	15°51	17°25	27°54	n.a.	T 6
W 7	6 7 28	3°30'29	26°50	21°53	17° 2	7°44	3° 4	16°56	4°11	3°22	16°39	15°43	17°22	28° 1	n.a.	W 7
T 8	6 11 25	4°30'56	8♊45	23°33	18° 6	8°24	3°14	17° 3	4° 9	3°22	16°41	15°35	17°19	28° 8	n.a.	T 8
F 9	6 15 21	5°31'20	20°37	25°14	19°10	9° 3	3°24	17°10	4° 7	3°23	16°43	15°27	17°15	28°14	n.a.	F 9
S 10	6 19 18	6°31'42	2♋27	26°56	20°14	9°42	3°33	17°18	4° 4	3°23	16°44	15°20	17°12	28°21	n.a.	S 10
S 11	6 23 15	7°32'03	14°18	28°39	21°18	10°21	3°42	17°25	4° 2	3°23	16°46	15°14	17° 9	28°28	n.a.	S 11
M12	6 27 11	8°32'21	26°11	0♑23	22°22	11° 0	3°52	17°33	4° 0	3°24	16°48	15°11	17° 6	28°34	n.a.	M12
T 13	6 31 8	9°32'38	8♌ 8	2° 8	23°27	11°39	4° 1	17°40	3°58	3°24	16°49	15° 9	17° 3	28°41	n.a.	T 13
W14	6 35 4	10°32'53	20°11	3°53	24°32	12°18	4°10	17°47	3°56	3°24	16°51	15°D 9	17° 0	28°48	n.a.	W14
T 15	6 39 1	11°33'05	2♍24	5°40	25°37	12°57	4°19	17°55	3°54	3°24	16°52	15°10	16°56	28°54	n.a.	T 15
F 16	6 42 57	12°33'17	14°49	7°28	26°43	13°36	4°27	18° 2	3°53	3°24	16°54	15°12	16°53	29° 1	n.a.	F 16
S 17	6 46 54	13°33'26	27°31	9°17	27°49	14°15	4°36	18°10	3°51	3°24	16°56	15°13	16°50	29° 8	n.a.	S 17
S 18	6 50 50	14°33'34	10♎33	11° 7	28°54	14°54	4°45	18°17	3°49	3°R24	16°57	15°R14	16°47	29°15	n.a.	S 18
M19	6 54 47	15°33'39	23°58	12°57	0♐ 0	15°33	4°53	18°25	3°47	3°24	16°59	15°14	16°44	29°21	n.a.	M19
T 20	6 58 44	16°33'44	7♏49	14°49	1° 7	16°12	5° 1	18°32	3°45	3°24	17° 1	15°12	16°41	29°28	n.a.	T 20
W21	7 2 40	17°33'46	22° 6	16°42	2°13	16°51	5° 9	18°40	3°44	3°24	17° 2	15°10	16°37	29°35	n.a.	W21
T 22	7 6 37	18°33'47	6♐47	18°36	3°20	17°30	5°17	18°47	3°42	3°24	17° 4	15° 6	16°34	29°41	n.a.	T 22
F 23	7 10 33	19°33'46	21°46	20°30	4°26	18° 9	5°25	18°55	3°40	3°24	17° 6	15° 2	16°31	29°48	n.a.	F 23
S 24	7 14 30	20°33'43	6♑55	22°26	5°33	18°48	5°33	19° 2	3°39	3°24	17° 7	14°59	16°28	29°55	n.a.	S 24
S 25	7 18 26	21°33'38	22° 5	24°22	6°40	19°26	5°41	19°10	3°37	3°24	17° 9	14°57	16°25	0♋ 1	n.a.	S 25
M26	7 22 23	22°33'31	7♒ 7	26°19	7°47	20° 5	5°48	19°17	3°36	3°23	17°11	14°55	16°21	0° 8	n.a.	M26
T 27	7 26 19	23°33'21	21°51	28°17	8°55	20°44	5°55	19°25	3°35	3°23	17°12	14°D55	16°18	0°15	n.a.	T 27
W28	7 30 16	24°33'09	6♓11	0♒14	10° 2	21°23	6° 2	19°32	3°33	3°23	17°14	14°56	16°15	0°21	n.a.	W28
T 29	7 34 13	25°32'55	20° 5	2°13	11°10	22° 2	6° 9	19°40	3°32	3°22	17°16	14°58	16°12	0°28	n.a.	T 29
F 30	7 38 9	26°32'38	3♈32	4°11	12°17	22°41	6°16	19°47	3°30	3°22	17°17	14°59	16° 9	0°35	n.a.	F 30
S 31	7 42 6	27♑32'19	16♈33	6♒ 9	13♐25	23♓20	6♏23	19♑55	3♊29	3♎22	17♑19	15♒ 0	16♒ 6	0♋42	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23s52	5s18	2n13	23s58	1s18	12s 2	3n29	10s37	0s21	11s35	0n54	23s56	1s 3	21n34	0n 9	0n34	2n 6	35s 0	12s15	16s19	15s49	27n50			n.a.
F 2	23 53	0n52	3 14	24 15	1 23	12 23	3 27	10 21	0 20	11 38	0 54	23 55	1 4	21 34	0 9	0 34	2 6	35 0	12 15	16 19	15 50	27 49			n.a.
S 3	23 53	6 50	4 3	24 31	1 28	12 44	3 25	10 6	0 19	11 42	0 54	23 54	1 4	21 33	0 9	0 34	2 6	34 59	12 15	16 19	15 51	27 49			n.a.
S 4	23 53	12 22	4 38	24 46	1 32	13 5	3 22	9 50	0 18	11 45	0 54	23 54	1 4	21 33	0 9	0 34	2 6	34 59	12 15	16 20	15 52	27 48			n.a.
M 5	23 53	17 19	5 0	24 59	1 36	13 26	3 20	9 35	0 17	11 49	0 54	23 53	1 4	21 32	0 9	0 34	2 6	34 59	12 15	16 21	15 53	27 48			n.a.
T 6	23 52	21 29	5 8	25 11	1 40	13 47	3 17	9 19	0 16	11 52	0 54	23 52	1 4	21 32	0 9	0 34	2 6	34 58	12 15	16 23	15 54	27 47			n.a.
W 7	23 50	24 43	5 3	25 22	1 44	14 8	3 15	9 3	0 15	11 56	0 54	23 51	1 4	21 31	0 9	0 33	2 6	34 58	12 15	16 25	15 55	27 47			n.a.
T 8	23 49	26 51	4 44	25 31	1 47	14 28	3 12	8 47	0 14	11 59	0 54	23 50	1 4	21 31	0 9	0 33	2 6	34 58	12 15	16 28	15 56	27 46			n.a.
F 9	23 46	27 45	4 13	25 38	1 50	14 49	3 9	8 32	0 13	12 2	0 54	23 49	1 4	21 31	0 9	0 33	2 6	34 58	12 15	16 30	15 57	27 46			n.a.
S 10	23 43	27 23	3 31	25 44	1 53	15 9	3 6	8 16	0 12	12 5	0 54	23 48	1 4	21 30	0 9	0 33	2 6	34 57	12 15	16 32	15 58	27 45			n.a.
S 11	23 40	25 45	2 40	25 48	1 55	15 29	3 3	8 0	0 11	12 9	0 54	23 47	1 4	21 30	0 9	0 33	2 6	34 57	12 15	16 34	15 59	27 45			n.a.
M12	23 36	22 58	1 42	25 50	1 57	15 49	3 0	7 44	0 10	12 12	0 54	23 46	1 4	21 29	0 9	0 33	2 6	34 57	12 15	16 35	16 0	27 44			n.a.
T 13	23 32	19 11	0 38	25 51	1 58	16 8	2 57	7 28	0 9	12 15	0 54	23 45	1 4	21 29	0 9	0 33	2 6	34 57	12 15	16 36	16 1	27 44			n.a.
W14	23 28	14 36	0s28	25 49	1 59	16 27	2 53	7 12	0 8	12 18	0 54	23 44	1 4	21 29	0 9	0 33	2 7	34 57	12 15	16 36	16 2	27 43			n.a.
T 15	23 23	9 22	1 33	25 46	2 0	16 46	2 50	6 56	0 7	12 21	0 54	23 44	1 4	21 28	0 9	0 33	2 7	34 56	12 15	16 35	16 3	27 43			n.a.
F 16	23 17	3 43	2 35	25 40	2 0	17 5	2 47	6 40	0 6	12 24	0 54	23 43	1 4	21 28	0 9	0 33	2 7	34 56	12 15	16 35	16 4	27 42			n.a.
S 17	23 11	2s13	3 31	25 33	2 0	17 24	2 43	6 24	0 6	12 27	0 54	23 42	1 4	21 28	0 9	0 33	2 7	34 56	12 15	16 34	16 5	27 42			n.a.
S 18	23 5	8 12	4 18	25 23	1 59	17 42	2 40	6 8	0 5	12 30	0 54	23 41	1 4	21 27	0 9	0 33	2 7	34 56	12 15	16 34	16 6	27 41			n.a.
M19	22 58	13 59	4 52	25 12	1 57	17 59	2 36	5 52	0 4	12 32	0 54	23 40	1 4	21 27	0 9	0 33	2 7	34 55	12 15	16 34	16 7	27 41			n.a.
T 20	22 50	19 16	5 11	24 58	1 56	18 17	2 33	5 35	0 3	12 35	0 54	23 39	1 5	21 27	0 9	0 33	2 7	34 55	12 15	16 35	16 8	27 40			n.a.
W21	22 43	23 38	5 11	24 42	1 53	18 34	2 29	5 19	0 2	12 38	0 55	23 38	1 5	21 26	0 9	0 34	2 7	34 55	12 15	16 36	16 9	27 40			n.a.
T 22	22 35	26 38	4 52	24 23	1 50	18 51	2 25	5 3	0 1	12 40	0 55	23 37	1 5	21 26	0 9	0 34	2 7	34 55	12 15	16 37	16 10	27 39			n.a.
F 23	22 26	27 49	4 12	24 3	1 47	19 7	2 21	4 47	0 0	12 43	0 55	23 36	1 5	21 26	0 9	0 34	2 7	34 55	12 15	16 38	16 11	27 38			n.a.
S 24	22 17	26 56	3 14	23 40	1 43	19 23	2 18	4 31	0n 0	12 46	0 55	23 35	1 5	21 25	0 9	0 34	2 7	34 54	12 15	16 39	16 12	27 38			n.a.
S 25	22 8	24 3	2 2	23 15	1 38	19 38	2 14	4 14	0 1	12 48	0 55	23 34	1 5	21 25	0 9	0 34	2 7	34 54	12 15	16 39	16 13	27 37			n.a.
M26	21 58	19 32	0 43	22 48	1 32	19 53	2 10	3 58	0 2	12 51	0 55	23 33	1 5	21 25	0 9	0 34	2 7	34 54	12 15	16 40	16 14	27 37			n.a.
T 27	21 47	13 53	0n38	22 18	1 26	20 8	2 6	3 42	0 3	12 53	0 55	23 32	1 5	21 25	0 9	0 34	2 7	34 54	12 15	16 40	16 15	27 36			n.a.
W28	21 37	7 38	1 55	21 47	1 20	20 22	2 2	3 25	0 4	12 55	0 55	23 31	1 5	21 24	0 9	0 35	2 8	34 54	12 15	16 40	16 16	27 35			n.a.
T 29	21 26	1 13	3 2	21 13	1 13	20 35	1 58	3 9	0 4	12 58	0 55	23 30	1 5	21 24	0 9	0 35	2 8	34 54	12 16	16 39	16 17	27 35			n.a.
F 30	21 14	5n 2	3 57	20 37	1 5	20 49	1 54	2 53	0 5	13 0	0 55	23 29	1 5	21 24	0 9	0 35	2 8	34 53	12 16	16 39	16 18	27 34			n.a.
S 31	21s 3	10n53	4n38	20s 0	0s56	21s 1	1n50	2s36	0n 6	13s 2	0n55	23s28	1s 5	21n24	0n 9	0n35	2n 8	34s53	12s16	16s38	16s19	27n33			n.a.

Julian Day Number = 1115473.5, Delta T = 10h47m48s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'31, Lahiri = -26°50'30 Julian Calendar 1 Jan. 1659 BCE == Greg. Calendar 18 Dec. 1660 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

FEBRUARY 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 46 2	28♉31'57	29♈12	8♒ 6	14♐33	23♓59	6♏30	20♉ 2	3°R28	3°R21	17♉21	15°R 0	16♒ 2	0♋48	n.a.	S 1
M 2	7 49 59	29°31'33	11♉33	10° 3	15°41	24°38	6°36	20° 9	3♊27	3♎21	17°22	15♒ 0	15°59	0°55	n.a.	M 2
T 3	7 53 55	0♒31'07	23°40	11°58	16°49	25°17	6°42	20°17	3°26	3°20	17°24	14°59	15°56	1° 2	n.a.	T 3
W 4	7 57 52	1°30'38	5♊38	13°52	17°58	25°56	6°48	20°24	3°25	3°20	17°25	14°57	15°53	1° 8	n.a.	W 4
T 5	8 1 48	2°30'07	17°29	15°44	19° 6	26°34	6°54	20°32	3°24	3°19	17°27	14°55	15°50	1°15	n.a.	T 5
F 6	8 5 45	3°29'33	29°19	17°34	20°14	27°13	7° 0	20°39	3°23	3°19	17°29	14°53	15°47	1°22	n.a.	F 6
S 7	8 9 41	4°28'57	11♋ 9	19°21	21°23	27°52	7° 6	20°46	3°22	3°18	17°30	14°52	15°43	1°28	n.a.	S 7
S 8	8 13 38	5°28'19	23° 3	21° 5	22°32	28°31	7°11	20°54	3°21	3°17	17°32	14°51	15°40	1°35	n.a.	S 8
M 9	8 17 35	6°27'38	5♌ 2	22°45	23°40	29°10	7°17	21° 1	3°20	3°17	17°33	14°50	15°37	1°42	n.a.	M 9
T 10	8 21 31	7°26'55	17° 9	24°21	24°49	29°48	7°22	21° 8	3°20	3°16	17°35	14°D50	15°34	1°48	n.a.	T 10
W11	8 25 28	8°26'10	29°26	25°52	25°58	0♈27	7°27	21°16	3°19	3°15	17°37	14°50	15°31	1°55	n.a.	W11
T 12	8 29 24	9°25'23	11♍53	27°19	27° 7	1° 6	7°32	21°23	3°18	3°14	17°38	14°51	15°27	2° 2	n.a.	T 12
F 13	8 33 21	10°24'34	24°32	28°40	28°16	1°45	7°36	21°30	3°18	3°14	17°40	14°51	15°24	2° 8	n.a.	F 13
S 14	8 37 17	11°23'42	7♎26	29°56	29°26	2°23	7°41	21°37	3°17	3°13	17°41	14°52	15°21	2°15	n.a.	S 14
S 15	8 41 14	12°22'49	20°36	1♓ 5	0♉35	3° 2	7°45	21°45	3°17	3°12	17°43	14°52	15°18	2°22	n.a.	S 15
M16	8 45 10	13°21'54	4♏ 3	2° 9	1°44	3°41	7°49	21°52	3°16	3°11	17°44	14°52	15°15	2°28	n.a.	M16
T 17	8 49 7	14°20'57	17°49	3° 6	2°54	4°20	7°53	21°59	3°16	3°10	17°46	14°52	15°12	2°35	n.a.	T 17
W18	8 53 3	15°19'58	1♐54	3°56	4° 3	4°58	7°57	22° 6	3°16	3° 9	17°47	14°52	15° 8	2°42	n.a.	W18
T 19	8 57 0	16°18'57	16°16	4°39	5°13	5°37	8° 1	22°13	3°15	3° 8	17°49	14°52	15° 5	2°49	n.a.	T 19
F 20	9 0 57	17°17'55	0♉53	5°16	6°23	6°16	8° 4	22°20	3°15	3° 7	17°50	14°52	15° 2	2°55	n.a.	F 20
S 21	9 4 53	18°16'50	15°39	5°45	7°32	6°54	8° 7	22°27	3°15	3° 6	17°52	14°53	14°59	3° 2	n.a.	S 21
S 22	9 8 50	19°15'44	0♒29	6° 8	8°42	7°33	8°10	22°34	3°15	3° 5	17°53	14°53	14°56	3° 9	n.a.	S 22
M23	9 12 46	20°14'35	15°15	6°23	9°52	8°12	8°13	22°41	3°15	3° 4	17°55	14°R53	14°53	3°15	n.a.	M23
T 24	9 16 43	21°13'24	29°50	6°31	11° 2	8°50	8°16	22°48	3°D15	3° 3	17°56	14°53	14°49	3°22	n.a.	T 24
W25	9 20 39	22°12'11	14♓ 8	6°R33	12°12	9°29	8°19	22°55	3°15	3° 2	17°58	14°52	14°46	3°29	n.a.	W25
T 26	9 24 36	23°10'55	28° 4	6°28	13°22	10° 7	8°21	23° 2	3°15	3° 1	17°59	14°51	14°43	3°35	n.a.	T 26
F 27	9 28 32	24° 9'38	11♈35	6°17	14°32	10°46	8°23	23° 9	3°15	3° 0	18° 0	14°50	14°40	3°42	n.a.	F 27
S 28	9 32 29	25♒ 8'18	24♈43	6♓ 0	15♉42	11♈25	8♏25	23♉15	3♊15	2♎59	18♉ 2	14♒49	14♒37	3♋49	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	20s50	16n 7	5n 4	19s20	0s47	21s13	1n46	2s20	0n 7	13s 4	0n55	23s26	1s 5	21n23	0n 9	0n35	2n 8	34s53	12s16	16s38	16s20	27n33			n.a.
M 2	20 38	20 34	5 15	18 39	0 37	21 25	1 42	2 3	0 8	13 6	0 55	23 25	1 6	21 23	0 9	0 36	2 8	34 53	12 16	16 38	16 21	27 32			n.a.
T 3	20 25	24 4	5 12	17 57	0 26	21 36	1 38	1 47	0 8	13 8	0 55	23 24	1 6	21 23	0 9	0 36	2 8	34 53	12 16	16 39	16 22	27 31			n.a.
W 4	20 12	26 30	4 56	17 13	0 15	21 47	1 34	1 31	0 9	13 10	0 55	23 23	1 6	21 23	0 9	0 36	2 8	34 53	12 16	16 39	16 23	27 31			n.a.
T 5	19 58	27 43	4 27	16 29	0 4	21 57	1 30	1 14	0 10	13 12	0 55	23 22	1 6	21 22	0 9	0 37	2 8	34 53	12 16	16 40	16 23	27 30			n.a.
F 6	19 44	27 39	3 46	15 44	0n 8	22 6	1 26	0 58	0 11	13 14	0 56	23 21	1 6	21 22	0 9	0 37	2 8	34 53	12 16	16 40	16 24	27 29			n.a.
S 7	19 30	26 20	2 56	14 58	0 20	22 15	1 21	0 41	0 11	13 16	0 56	23 20	1 6	21 22	0 9	0 37	2 8	34 52	12 16	16 41	16 25	27 29			n.a.
S 8	19 15	23 49	1 58	14 13	0 33	22 23	1 17	0 25	0 12	13 18	0 56	23 19	1 6	21 22	0 9	0 37	2 8	34 52	12 17	16 41	16 26	27 28			n.a.
M 9	19 0	20 14	0 54	13 28	0 46	22 31	1 13	0 9	0 13	13 19	0 56	23 18	1 6	21 22	0 9	0 38	2 8	34 52	12 17	16 41	16 27	27 27			n.a.
T 10	18 45	15 47	0s13	12 43	0 59	22 38	1 9	0n 8	0 13	13 21	0 56	23 17	1 6	21 22	0 9	0 38	2 8	34 52	12 17	16 41	16 28	27 26			n.a.
W11	18 30	10 38	1 20	12 0	1 13	22 45	1 5	0 24	0 14	13 23	0 56	23 16	1 6	21 22	0 9	0 38	2 8	34 52	12 17	16 41	16 29	27 26			n.a.
T 12	18 14	5 1	2 25	11 17	1 26	22 50	1 1	0 40	0 15	13 24	0 56	23 15	1 7	21 21	0 9	0 39	2 9	34 52	12 17	16 41	16 30	27 25			n.a.
F 13	17 58	0s53	3 23	10 37	1 39	22 56	0 57	0 57	0 16	13 26	0 56	23 14	1 7	21 21	0 9	0 39	2 9	34 52	12 17	16 41	16 31	27 24			n.a.
S 14	17 41	6 51	4 12	9 58	1 52	23 0	0 53	1 13	0 16	13 27	0 56	23 13	1 7	21 21	0 9	0 40	2 9	34 52	12 17	16 41	16 32	27 23			n.a.
S 15	17 24	12 39	4 50	9 21	2 4	23 4	0 49	1 29	0 17	13 28	0 56	23 12	1 7	21 21	0 9	0 40	2 9	34 52	12 18	16 41	16 33	27 23			n.a.
M16	17 7	17 59	5 12	8 47	2 17	23 8	0 45	1 45	0 18	13 30	0 56	23 11	1 7	21 21	0 9	0 40	2 9	34 52	12 18	16 41	16 34	27 22			n.a.
T 17	16 50	22 31	5 17	8 16	2 28	23 10	0 41	2 2	0 18	13 31	0 56	23 10	1 7	21 21	0 9	0 41	2 9	34 52	12 18	16 41	16 35	27 21			n.a.
W18	16 32	25 53	5 4	7 47	2 39	23 13	0 37	2 18	0 19	13 32	0 56	23 9	1 7	21 21	0 9	0 41	2 9	34 52	12 18	16 41	16 36	27 20			n.a.
T 19	16 15	27 40	4 31	7 21	2 50	23 14	0 33	2 34	0 20	13 33	0 56	23 7	1 7	21 21	0 9	0 42	2 9	34 52	12 18	16 41	16 37	27 20			n.a.
F 20	15 56	27 34	3 41	6 59	2 59	23 15	0 29	2 50	0 20	13 34	0 56	23 6	1 7	21 21	0 9	0 42	2 9	34 51	12 18	16 41	16 38	27 19			n.a.
S 21	15 38	25 31	2 35	6 40	3 8	23 15	0 25	3 7	0 21	13 35	0 57	23 5	1 8	21 21	0 9	0 43	2 9	34 51	12 19	16 41	16 39	27 18			n.a.
S 22	15 19	21 43	1 19	6 25	3 15	23 14	0 21	3 23	0 21	13 36	0 57	23 4	1 8	21 21	0 9	0 43	2 9	34 51	12 19	16 41	16 40	27 17			n.a.
M23	15 1	16 32	0n 2	6 13	3 22	23 13	0 18	3 39	0 22	13 37	0 57	23 3	1 8	21 21	0 9	0 44	2 9	34 51	12 19	16 41	16 41	27 16			n.a.
T 24	14 42	10 28	1 22	6 5	3 27	23 11	0 14	3 55	0 23	13 38	0 57	23 2	1 8	21 21	0 9	0 44	2 9	34 51	12 19	16 41	16 42	27 15			n.a.
W25	14 22	3 59	2 35	6 1	3 31	23 9	0 10	4 11	0 23	13 39	0 57	23 1	1 8	21 21	0 9	0 45	2 9	34 51	12 19	16 41	16 43	27 15			n.a.
T 26	14 3	2n32	3 37	6 0	3 34	23 6	0 7	4 27	0 24	13 39	0 57	23 0	1 8	21 21	0 9	0 45	2 9	34 51	12 20	16 41	16 43	27 14			n.a.
F 27	13 43	8 43	4 25	6 3	3 35	23 2	0 3	4 43	0 25	13 40	0 57	22 59	1 8	21 21	0 9	0 46	2 9	34 51	12 20	16 41	16 44	27 13			n.a.
S 28	13s23	14n20	4n58	6s10	3n34	22s57	0s 1	4n59	0n25	13s41	0n57	22s58	1s 8	21n21	0n 9	0n46	2n 9	34s51	12s20	16s42	16s45	27n12			n.a.

Julian Day Number = 1115504.5, Delta T = 10h47m46s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'26, Lahiri = -26°50'26 Julian Calendar 1 Feb. 1659 BCE == Greg. Calendar 18 Jan. 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

MARCH 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 36 26	26♒ 6'55	7♉27	5°R37	16♑53	12♈ 3	8♏27	23♑22	3♊16	2°R57	18♑ 3	14°R48	14♒33	3♋55	n.a.	S 1
M 2	9 40 22	27° 5'31	19°52	5♓ 9	18° 3	12°42	8°29	23°29	3°16	2♎56	18° 4	14♒47	14°30	4° 2	n.a.	M 2
T 3	9 44 19	28° 4'04	2♊ 1	4°37	19°13	13°20	8°30	23°35	3°16	2°55	18° 6	14°D47	14°27	4° 9	n.a.	T 3
W 4	9 48 15	29° 2'34	13°59	4° 1	20°24	13°59	8°31	23°42	3°17	2°54	18° 7	14°48	14°24	4°15	n.a.	W 4
T 5	9 52 12	0♓ 1'03	25°50	3°23	21°34	14°37	8°33	23°49	3°17	2°52	18° 8	14°49	14°21	4°22	n.a.	T 5
F 6	9 56 8	0°59'29	7♋40	2°41	22°44	15°16	8°33	23°55	3°18	2°51	18°10	14°50	14°18	4°29	n.a.	F 6
S 7	10 0 5	1°57'52	19°32	1°59	23°55	15°54	8°34	24° 2	3°18	2°50	18°11	14°52	14°14	4°35	n.a.	S 7
S 8	10 4 1	2°56'14	1♌30	1°16	25° 5	16°33	8°35	24° 8	3°19	2°48	18°12	14°53	14°11	4°42	n.a.	S 8
M 9	10 7 58	3°54'33	13°37	0°33	26°16	17°11	8°35	24°14	3°20	2°47	18°13	14°R53	14° 8	4°49	n.a.	M 9
T 10	10 11 54	4°52'51	25°56	29♒50	27°27	17°50	8°R35	24°21	3°20	2°46	18°15	14°53	14° 5	4°55	n.a.	T 10
W11	10 15 51	5°51'06	8♍28	29°10	28°37	18°28	8°35	24°27	3°21	2°44	18°16	14°52	14° 2	5° 2	n.a.	W11
T 12	10 19 48	6°49'19	21°15	28°32	29°48	19° 6	8°35	24°33	3°22	2°43	18°17	14°49	13°59	5° 9	n.a.	T 12
F 13	10 23 44	7°47'31	4♎15	27°56	0♒59	19°45	8°35	24°39	3°23	2°42	18°18	14°46	13°55	5°15	n.a.	F 13
S 14	10 27 41	8°45'40	17°30	27°25	2°10	20°23	8°34	24°46	3°24	2°40	18°19	14°42	13°52	5°22	n.a.	S 14
S 15	10 31 37	9°43'48	0♏59	26°57	3°21	21° 2	8°33	24°52	3°25	2°39	18°21	14°39	13°49	5°29	n.a.	S 15
M16	10 35 34	10°41'55	14°40	26°33	4°31	21°40	8°32	24°58	3°26	2°37	18°22	14°36	13°46	5°35	n.a.	M16
T 17	10 39 30	11°39'59	28°32	26°14	5°42	22°18	8°31	25° 4	3°27	2°36	18°23	14°34	13°43	5°42	n.a.	T 17
W18	10 43 27	12°38'03	12♐34	25°59	6°53	22°57	8°30	25° 9	3°28	2°34	18°24	14°D34	13°39	5°49	n.a.	W18
T 19	10 47 23	13°36'05	26°45	25°49	8° 4	23°35	8°28	25°15	3°29	2°33	18°25	14°34	13°36	5°55	n.a.	T 19
F 20	10 51 20	14°34'05	11♑ 2	25°44	9°15	24°13	8°26	25°21	3°31	2°31	18°26	14°35	13°33	6° 2	n.a.	F 20
S 21	10 55 16	15°32'04	25°24	25°D44	10°27	24°52	8°25	25°27	3°32	2°30	18°27	14°37	13°30	6° 9	n.a.	S 21
S 22	10 59 13	16°30'01	9♒48	25°49	11°38	25°30	8°22	25°32	3°33	2°28	18°28	14°R38	13°27	6°16	n.a.	S 22
M23	11 3 10	17°27'57	24° 8	25°58	12°49	26° 8	8°20	25°38	3°35	2°27	18°29	14°38	13°24	6°22	n.a.	M23
T 24	11 7 6	18°25'51	8♓22	26°12	14° 0	26°46	8°18	25°44	3°36	2°25	18°30	14°36	13°20	6°29	n.a.	T 24
W25	11 11 3	19°23'43	22°23	26°31	15°11	27°25	8°15	25°49	3°38	2°23	18°31	14°32	13°17	6°36	n.a.	W25
T 26	11 14 59	20°21'34	6♈ 8	26°54	16°23	28° 3	8°12	25°54	3°39	2°22	18°32	14°27	13°14	6°42	n.a.	T 26
F 27	11 18 56	21°19'23	19°34	27°22	17°34	28°41	8° 9	26° 0	3°41	2°20	18°33	14°21	13°11	6°49	n.a.	F 27
S 28	11 22 52	22°17'10	2♉39	27°53	18°45	29°19	8° 6	26° 5	3°43	2°19	18°34	14°15	13° 8	6°56	n.a.	S 28
S 29	11 26 49	23°14'55	15°24	28°29	19°56	29°58	8° 3	26°10	3°44	2°17	18°34	14°10	13° 4	7° 2	n.a.	S 29
M30	11 30 45	24°12'39	27°50	29° 9	21° 8	0♉36	7°59	26°15	3°46	2°16	18°35	14° 5	13° 1	7° 9	n.a.	M30
T 31	11 34 42	25♓10'21	10♊ 0	29♒52	22♒19	1♉14	7♏56	26♑20	3♊48	2♎14	18♑36	14♒ 2	12♒58	7♋16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13s 3	19n11	5n14	6s20	3n33	22s52	0s 4	5n15	0n26	13s41	0n57	22s57	1s 9	21n21	0n 9	0n47	2n 9	34s51	12s20	16s42	16s46	27n11			n.a.
M 2	12 43	23 5	5 15	6 34	3 29	22 47	0 8	5 31	0 26	13 42	0 57	22 56	1 9	21 21	0 9	0 47	2 9	34 51	12 21	16 42	16 47	27 10			n.a.
T 3	12 22	25 53	5 3	6 50	3 24	22 40	0 11	5 46	0 27	13 42	0 57	22 55	1 9	21 21	0 9	0 48	2 10	34 51	12 21	16 42	16 48	27 9			n.a.
W 4	12 1	27 29	4 37	7 10	3 17	22 33	0 15	6 2	0 28	13 43	0 57	22 54	1 9	21 21	0 9	0 48	2 10	34 51	12 21	16 42	16 49	27 8			n.a.
T 5	11 41	27 48	3 59	7 32	3 9	22 25	0 18	6 18	0 28	13 43	0 57	22 53	1 9	21 21	0 9	0 49	2 10	34 52	12 21	16 42	16 50	27 8			n.a.
F 6	11 20	26 51	3 12	7 56	2 59	22 17	0 21	6 34	0 29	13 43	0 57	22 52	1 9	21 21	0 9	0 49	2 10	34 52	12 21	16 41	16 51	27 7			n.a.
S 7	10 58	24 40	2 16	8 21	2 48	22 8	0 25	6 49	0 29	13 43	0 57	22 51	1 9	21 22	0 9	0 50	2 10	34 52	12 22	16 41	16 52	27 6			n.a.
S 8	10 37	21 24	1 13	8 48	2 36	21 58	0 28	7 5	0 30	13 43	0 57	22 50	1 9	21 22	0 9	0 50	2 10	34 52	12 22	16 41	16 53	27 5			n.a.
M 9	10 16	17 10	0 7	9 16	2 23	21 48	0 31	7 20	0 30	13 43	0 58	22 49	1 10	21 22	0 9	0 51	2 10	34 52	12 22	16 40	16 54	27 4			n.a.
T 10	9 54	12 10	1s 1	9 44	2 9	21 37	0 34	7 36	0 31	13 43	0 58	22 48	1 10	21 22	0 9	0 52	2 10	34 52	12 22	16 41	16 55	27 3			n.a.
W11	9 32	6 36	2 6	10 12	1 54	21 26	0 37	7 51	0 31	13 43	0 58	22 47	1 10	21 22	0 9	0 52	2 10	34 52	12 23	16 41	16 56	27 2			n.a.
T 12	9 10	0 41	3 7	10 40	1 38	21 14	0 40	8 7	0 32	13 43	0 58	22 46	1 10	21 22	0 9	0 53	2 10	34 52	12 23	16 42	16 57	27 1			n.a.
F 13	8 48	5s22	3 59	11 8	1 22	21 1	0 43	8 22	0 32	13 43	0 58	22 45	1 10	21 22	0 9	0 53	2 10	34 52	12 23	16 43	16 58	27 0			n.a.
S 14	8 26	11 17	4 39	11 34	1 6	20 48	0 46	8 37	0 33	13 43	0 58	22 44	1 10	21 23	0 9	0 54	2 10	34 52	12 23	16 44	16 59	26 59			n.a.
S 15	8 4	16 47	5 5	11 59	0 50	20 34	0 49	8 52	0 34	13 42	0 58	22 43	1 10	21 23	0 9	0 55	2 10	34 52	12 24	16 45	16 59	26 58			n.a.
M16	7 42	21 31	5 14	12 22	0 34	20 19	0 51	9 7	0 34	13 42	0 58	22 42	1 11	21 23	0 9	0 55	2 10	34 52	12 24	16 46	17 0	26 57			n.a.
T 17	7 19	25 9	5 5	12 44	0 18	20 4	0 54	9 22	0 35	13 42	0 58	22 41	1 11	21 23	0 9	0 56	2 10	34 52	12 24	16 46	17 1	26 56			n.a.
W18	6 57	27 18	4 37	13 4	0 2	19 49	0 57	9 37	0 35	13 41	0 58	22 40	1 11	21 23	0 9	0 57	2 10	34 53	12 25	16 46	17 2	26 55			n.a.
T 19	6 34	27 44	3 53	13 21	0s13	19 32	0 59	9 52	0 36	13 41	0 58	22 39	1 11	21 24	0 9	0 57	2 10	34 53	12 25	16 46	17 3	26 54			n.a.
F 20	6 11	26 18	2 54	13 37	0 28	19 16	1 1	10 7	0 36	13 40	0 58	22 38	1 11	21 24	0 9	0 58	2 10	34 53	12 25	16 46	17 4	26 53			n.a.
S 21	5 48	23 9	1 43	13 50	0 42	18 58	1 4	10 22	0 37	13 39	0 58	22 37	1 11	21 24	0 9	0 58	2 10	34 53	12 25	16 45	17 5	26 52			n.a.
S 22	5 25	18 33	0 26	14 1	0 56	18 41	1 6	10 37	0 37	13 39	0 58	22 36	1 12	21 24	0 9	0 59	2 10	34 53	12 26	16 45	17 6	26 51			n.a.
M23	5 3	12 55	0n52	14 10	1 9	18 22	1 8	10 51	0 38	13 38	0 58	22 35	1 12	21 25	0 9	1 0	2 10	34 53	12 26	16 45	17 7	26 50			n.a.
T 24	4 40	6 39	2 6	14 17	1 21	18 4	1 11	11 6	0 38	13 37	0 58	22 34	1 12	21 25	0 9	1 0	2 10	34 53	12 26	16 46	17 8	26 49			n.a.
W25	4 16	0 9	3 11	14 21	1 32	17 44	1 13	11 21	0 39	13 36	0 58	22 34	1 12	21 25	0 9	1 1	2 10	34 54	12 27	16 47	17 9	26 48			n.a.
T 26	3 53	6n12	4 4	14 23	1 43	17 25	1 15	11 35	0 39	13 35	0 58	22 33	1 12	21 26	0 9	1 2	2 10	34 54	12 27	16 48	17 10	26 47			n.a.
F 27	3 30	12 8	4 42	14 23	1 53	17 4	1 17	11 49	0 39	13 34	0 58	22 32	1 12	21 26	0 9	1 2	2 10	34 54	12 27	16 50	17 11	26 46			n.a.
S 28	3 7	17 22	5 4	14 20	2 2	16 44	1 18	12 4	0 40	13 33	0 58	22 31	1 13	21 26	0 9	1 3	2 10	34 54	12 28	16 52	17 11	26 45			n.a.
S 29	2 44	21 41	5 10	14 15	2 11	16 22	1 20	12 18	0 40	13 32	0 58	22 30	1 13	21 27	0 9	1 4	2 10	34 54	12 28	16 53	17 12	26 44			n.a.
M30	2 20	24 56	5 2	14 8	2 18	16 1	1 22	12 32	0 41	13 31	0 58	22 29	1 13	21 27	0 9	1 4	2 10	34 54	12 28	16 55	17 13	26 43			n.a.
T 31	1s57	26n58	4n39	13s59	2s25	15s39	1s24	12n46	0n41	13s30	0n58	22s29	1s13	21n27	0n 9	1n 5	2n10	34s55	12s29	16s56	17s14	26n41			n.a.

Julian Day Number = 1115532.5, Delta T = 10h47m44s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'23, Lahiri = -26°50'22 Julian Calendar 1 March 1659 BCE == Greg. Calendar 15 Feb. 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

APRIL 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 38 39	26♓ 8'01	21♊59	0♓39	23♒31	1♉52	7°R52	26♋25	3♊50	2°R12	18♋37	14°D 1	12♒55	7♋22	n.a.	W 1
T 2	11 42 35	27° 5'40	3♋50	1°29	24°42	2°30	7♏48	26°30	3°52	2♎11	18°38	14♒ 1	12°52	7°29	n.a.	T 2
F 3	11 46 32	28° 3'17	15°40	2°23	25°54	3° 9	7°44	26°35	3°54	2° 9	18°38	14° 2	12°49	7°36	n.a.	F 3
S 4	11 50 28	29° 0'52	27°34	3°20	27° 5	3°47	7°39	26°40	3°56	2° 7	18°39	14° 3	12°45	7°42	n.a.	S 4
S 5	11 54 25	29°58'25	9♌35	4°20	28°17	4°25	7°35	26°45	3°58	2° 6	18°40	14°R 4	12°42	7°49	n.a.	S 5
M 6	11 58 21	0♈55'57	21°49	5°23	29°28	5° 3	7°30	26°49	4° 0	2° 4	18°41	14° 4	12°39	7°56	n.a.	M 6
T 7	12 2 18	1°53'27	4♍18	6°29	0♓40	5°41	7°25	26°54	4° 2	2° 3	18°41	14° 2	12°36	8° 2	n.a.	T 7
W 8	12 6 14	2°50'56	17° 5	7°38	1°52	6°19	7°20	26°58	4° 4	2° 1	18°42	13°58	12°33	8° 9	n.a.	W 8
T 9	12 10 11	3°48'23	0♎12	8°50	3° 3	6°57	7°15	27° 3	4° 6	1°59	18°42	13°52	12°30	8°16	n.a.	T 9
F 10	12 14 7	4°45'49	13°36	10° 4	4°15	7°36	7°10	27° 7	4° 8	1°58	18°43	13°44	12°26	8°22	n.a.	F 10
S 11	12 18 4	5°43'14	27°17	11°21	5°27	8°14	7° 5	27°11	4°11	1°56	18°44	13°36	12°23	8°29	n.a.	S 11
S 12	12 22 1	6°40'38	11♏11	12°41	6°38	8°52	6°59	27°15	4°13	1°55	18°44	13°28	12°20	8°36	n.a.	S 12
M13	12 25 57	7°38'01	25°14	14° 3	7°50	9°30	6°53	27°20	4°15	1°53	18°45	13°21	12°17	8°42	n.a.	M13
T 14	12 29 54	8°35'23	9♐22	15°28	9° 2	10° 8	6°48	27°24	4°18	1°51	18°45	13°15	12°14	8°49	n.a.	T 14
W15	12 33 50	9°32'44	23°33	16°55	10°14	10°46	6°42	27°27	4°20	1°50	18°46	13°12	12°10	8°56	n.a.	W15
T 16	12 37 47	10°30'04	7♋44	18°25	11°26	11°24	6°36	27°31	4°23	1°48	18°46	13°D11	12° 7	9° 2	n.a.	T 16
F 17	12 41 43	11°27'24	21°53	19°58	12°38	12° 2	6°30	27°35	4°25	1°47	18°46	13°11	12° 4	9° 9	n.a.	F 17
S 18	12 45 40	12°24'43	5♒58	21°33	13°49	12°40	6°23	27°39	4°28	1°45	18°47	13°R12	12° 1	9°16	n.a.	S 18
S 19	12 49 37	13°22'01	19°59	23°10	15° 1	13°18	6°17	27°42	4°30	1°43	18°47	13°12	11°58	9°22	n.a.	S 19
M20	12 53 33	14°19'18	3♓54	24°50	16°13	13°56	6°10	27°46	4°33	1°42	18°48	13°10	11°55	9°29	n.a.	M20
T 21	12 57 30	15°16'35	17°42	26°32	17°25	14°34	6° 4	27°49	4°35	1°40	18°48	13° 6	11°51	9°36	n.a.	T 21
W22	13 1 26	16°13'50	1♈19	28°16	18°37	15°12	5°57	27°52	4°38	1°39	18°48	12°59	11°48	9°42	n.a.	W22
T 23	13 5 23	17°11'05	14°45	0♈ 3	19°49	15°50	5°50	27°56	4°41	1°37	18°49	12°50	11°45	9°49	n.a.	T 23
F 24	13 9 19	18° 8'19	27°55	1°53	21° 2	16°28	5°43	27°59	4°44	1°36	18°49	12°40	11°42	9°56	n.a.	F 24
S 25	13 13 16	19° 5'33	10♉49	3°44	22°14	17° 6	5°36	28° 2	4°46	1°34	18°49	12°28	11°39	10° 2	n.a.	S 25
S 26	13 17 12	20° 2'45	23°27	5°38	23°26	17°44	5°29	28° 5	4°49	1°32	18°49	12°18	11°35	10° 9	n.a.	S 26
M27	13 21 9	20°59'57	5♊49	7°35	24°38	18°22	5°22	28° 8	4°52	1°31	18°49	12° 8	11°32	10°16	n.a.	M27
T 28	13 25 6	21°57'08	17°57	9°33	25°50	19° 0	5°15	28°10	4°55	1°29	18°50	12° 1	11°29	10°22	n.a.	T 28
W29	13 29 2	22°54'18	29°54	11°34	27° 2	19°38	5° 8	28°13	4°58	1°28	18°50	11°57	11°26	10°29	n.a.	W29
T 30	13 32 59	23♈51'27	11♋45	13♈36	28♓15	20♉16	5♏ 0	28♋16	5♊ 1	1♎26	18♋50	11♒54	11♒23	10♋36	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1s34	27n43	4n 5	13s48	2s31	15s16	1s25	13n 0	0n42	13s28	0n58	22s28	1s13	21n28	0n 9	1n 6	2n10	34s55	12s29	16s56	17s15	26n40		n.a.
T 2	1 11	27 11	3 21	13 35	2 37	14 53	1 27	13 14	0 42	13 27	0 58	22 27	1 14	21 28	0 9	1 6	2 10	34 55	12 29	16 56	17 16	26 39		n.a.
F 3	0 47	25 24	2 28	13 19	2 41	14 30	1 28	13 27	0 43	13 26	0 58	22 26	1 14	21 28	0 9	1 7	2 10	34 55	12 29	16 56	17 17	26 38		n.a.
S 4	0 24	22 29	1 28	13 2	2 45	14 6	1 29	13 41	0 43	13 24	0 58	22 25	1 14	21 29	0 9	1 8	2 10	34 55	12 30	16 55	17 18	26 37		n.a.
S 5	0 1	18 35	0 24	12 42	2 48	13 42	1 31	13 55	0 43	13 23	0 58	22 25	1 14	21 29	0 9	1 8	2 10	34 56	12 30	16 55	17 19	26 36		n.a.
M 6	0n23	13 51	0s42	12 21	2 51	13 18	1 32	14 8	0 44	13 21	0 58	22 24	1 14	21 30	0 9	1 9	2 10	34 56	12 30	16 55	17 20	26 35		n.a.
T 7	0 46	8 27	1 47	11 58	2 52	12 53	1 33	14 22	0 44	13 20	0 58	22 23	1 14	21 30	0 9	1 10	2 10	34 56	12 31	16 56	17 21	26 34		n.a.
W 8	1 9	2 37	2 48	11 32	2 53	12 28	1 34	14 35	0 45	13 18	0 58	22 23	1 15	21 30	0 9	1 10	2 10	34 56	12 31	16 57	17 22	26 32		n.a.
T 9	1 32	3s28	3 42	11 5	2 54	12 3	1 35	14 48	0 45	13 16	0 58	22 22	1 15	21 31	0 9	1 11	2 10	34 56	12 31	16 59	17 22	26 31		n.a.
F 10	1 56	9 31	4 25	10 36	2 53	11 37	1 36	15 1	0 46	13 15	0 58	22 21	1 15	21 31	0 9	1 12	2 10	34 57	12 32	17 1	17 23	26 30		n.a.
S 11	2 19	15 15	4 54	10 5	2 52	11 11	1 37	15 14	0 46	13 13	0 58	22 21	1 15	21 32	0 9	1 12	2 10	34 57	12 32	17 3	17 24	26 29		n.a.
S 12	2 42	20 17	5 6	9 33	2 51	10 44	1 37	15 27	0 46	13 11	0 58	22 20	1 15	21 32	0 9	1 13	2 10	34 57	12 32	17 6	17 25	26 28		n.a.
M13	3 5	24 16	4 59	8 58	2 49	10 18	1 38	15 40	0 47	13 9	0 58	22 19	1 16	21 33	0 9	1 13	2 10	34 57	12 33	17 8	17 26	26 27		n.a.
T 14	3 28	26 48	4 35	8 22	2 46	9 51	1 38	15 52	0 47	13 7	0 58	22 19	1 16	21 33	0 9	1 14	2 10	34 58	12 33	17 9	17 27	26 25		n.a.
W15	3 51	27 37	3 54	7 44	2 42	9 24	1 39	16 5	0 48	13 5	0 58	22 18	1 16	21 33	0 9	1 15	2 10	34 58	12 34	17 10	17 28	26 24		n.a.
T 16	4 14	26 37	2 58	7 4	2 38	8 56	1 39	16 17	0 48	13 3	0 58	22 18	1 16	21 34	0 9	1 15	2 10	34 58	12 34	17 11	17 29	26 23		n.a.
F 17	4 37	23 55	1 52	6 23	2 33	8 29	1 40	16 30	0 48	13 1	0 58	22 17	1 16	21 34	0 9	1 16	2 10	34 59	12 34	17 10	17 30	26 22		n.a.
S 18	5 0	19 45	0 39	5 40	2 28	8 1	1 40	16 42	0 49	12 59	0 58	22 16	1 17	21 35	0 9	1 17	2 10	34 59	12 35	17 10	17 31	26 20		n.a.
S 19	5 22	14 31	0n36	4 56	2 22	7 32	1 40	16 54	0 49	12 57	0 58	22 16	1 17	21 35	0 9	1 17	2 10	34 59	12 35	17 10	17 32	26 19		n.a.
M20	5 45	8 35	1 48	4 9	2 15	7 4	1 40	17 6	0 49	12 55	0 58	22 15	1 17	21 36	0 9	1 18	2 10	34 59	12 35	17 11	17 32	26 18		n.a.
T 21	6 8	2 18	2 53	3 22	2 8	6 35	1 40	17 18	0 50	12 53	0 58	22 15	1 17	21 36	0 9	1 19	2 10	35 0	12 36	17 12	17 33	26 17		n.a.
W22	6 30	4n 0	3 47	2 33	2 1	6 7	1 40	17 30	0 50	12 51	0 58	22 14	1 17	21 37	0 9	1 19	2 10	35 0	12 36	17 14	17 34	26 16		n.a.
T 23	6 52	10 1	4 28	1 42	1 53	5 38	1 40	17 42	0 50	12 49	0 58	22 14	1 18	21 37	0 9	1 20	2 10	35 0	12 36	17 17	17 35	26 14		n.a.
F 24	7 15	15 28	4 53	0 50	1 45	5 9	1 40	17 53	0 51	12 46	0 58	22 13	1 18	21 38	0 9	1 20	2 10	35 1	12 37	17 20	17 36	26 13		n.a.
S 25	7 37	20 8	5 3	0n 3	1 36	4 40	1 40	18 5	0 51	12 44	0 58	22 13	1 18	21 38	0 9	1 21	2 10	35 1	12 37	17 23	17 37	26 12		n.a.
S 26	7 59	23 46	4 57	0 58	1 26	4 10	1 39	18 16	0 52	12 42	0 58	22 13	1 18	21 39	0 9	1 22	2 10	35 1	12 37	17 26	17 38	26 10		n.a.
M27	8 21	26 14	4 38	1 53	1 17	3 41	1 39	18 27	0 52	12 39	0 58	22 12	1 18	21 39	0 9	1 22	2 10	35 2	12 38	17 28	17 39	26 9		n.a.
T 28	8 42	27 25	4 6	2 50	1 7	3 11	1 38	18 38	0 52	12 37	0 57	22 12	1 19	21 40	0 9	1 23	2 10	35 2	12 38	17 31	17 40	26 8		n.a.
W29	9 4	27 17	3 24	3 47	0 57	2 41	1 38	18 49	0 53	12 35	0 57	22 12	1 19	21 41	0 9	1 23	2 10	35 2	12 38	17 32	17 41	26 7		n.a.
T 30	9n26	25n54	2n33	4n45	0s46	2s12	1s37	19n 0	0n53	12s32	0n57	22s11	1s19	21n41	0n 9	1n24	2n10	35s 3	12s39	17s33	17s41	26n 5		n.a.

Julian Day Number = 1115563.5, Delta T = 10h47m42s
Ecliptic obliquity = 23°53'24, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'18, Lahiri = -26°50'18 Julian Calendar 1 Apr. 1659 BCE == Greg. Calendar 18 March 1659 BCE

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

MAY 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 36 55	24♈48'35	23♋34	15♈40	29♓27	20♉54	4°R53	28♏18	5♊ 4	1°R25	18♏50	11°D54	11♒20	10♋42	n.a.	F 1
S 2	13 40 52	25°45'42	5♌27	17°46	0♈39	21°32	4♏46	28°21	5° 7	1♎24	18°50	11°R54	11°16	10°49	n.a.	S 2
S 3	13 44 48	26°42'49	17°29	19°54	1°51	22°10	4°38	28°23	5°10	1°22	18°50	11♒54	11°13	10°56	n.a.	S 3
M 4	13 48 45	27°39'54	29°46	22° 2	3° 4	22°48	4°31	28°25	5°13	1°21	18°R50	11°53	11°10	11° 2	n.a.	M 4
T 5	13 52 41	28°36'59	12♍21	24°12	4°16	23°26	4°23	28°27	5°16	1°19	18°50	11°49	11° 7	11° 9	n.a.	T 5
W 6	13 56 38	29°34'03	25°18	26°23	5°28	24° 4	4°15	28°29	5°19	1°18	18°50	11°44	11° 4	11°16	n.a.	W 6
T 7	14 0 35	0♉31'07	8♎39	28°34	6°41	24°42	4° 8	28°31	5°22	1°17	18°50	11°35	11° 1	11°22	n.a.	T 7
F 8	14 4 31	1°28'10	22°23	0♉45	7°53	25°20	4° 0	28°33	5°26	1°15	18°50	11°25	10°57	11°29	n.a.	F 8
S 9	14 8 28	2°25'13	6♏28	2°56	9° 6	25°58	3°53	28°35	5°29	1°14	18°50	11°14	10°54	11°36	n.a.	S 9
S 10	14 12 24	3°22'16	20°47	5° 7	10°18	26°36	3°45	28°36	5°32	1°13	18°50	11° 3	10°51	11°42	n.a.	S 10
M11	14 16 21	4°19'18	5♐17	7°17	11°31	27°14	3°37	28°38	5°35	1°11	18°49	10°53	10°48	11°49	n.a.	M11
T 12	14 20 17	5°16'21	19°49	9°27	12°43	27°52	3°30	28°39	5°39	1°10	18°49	10°46	10°45	11°56	n.a.	T 12
W13	14 24 14	6°13'24	4♑18	11°35	13°56	28°30	3°22	28°41	5°42	1° 9	18°49	10°41	10°41	12° 2	n.a.	W13
T 14	14 28 11	7°10'26	18°39	13°43	15° 8	29° 8	3°14	28°42	5°45	1° 7	18°49	10°38	10°38	12° 9	n.a.	T 14
F 15	14 32 7	8° 7'29	2♒50	15°49	16°21	29°45	3° 7	28°43	5°49	1° 6	18°49	10°38	10°35	12°16	n.a.	F 15
S 16	14 36 4	9° 4'32	16°50	17°53	17°34	0♊23	2°59	28°44	5°52	1° 5	18°48	10°37	10°32	12°22	n.a.	S 16
S 17	14 40 0	10° 1'35	0♓38	19°56	18°46	1° 1	2°52	28°45	5°55	1° 4	18°48	10°37	10°29	12°29	n.a.	S 17
M18	14 43 57	10°58'38	14°15	21°57	19°59	1°39	2°44	28°46	5°59	1° 3	18°48	10°34	10°26	12°36	n.a.	M18
T 19	14 47 53	11°55'42	27°40	23°56	21°12	2°17	2°37	28°46	6° 2	1° 2	18°47	10°29	10°22	12°42	n.a.	T 19
W20	14 51 50	12°52'46	10♈55	25°54	22°25	2°55	2°29	28°47	6° 6	1° 0	18°47	10°21	10°19	12°49	n.a.	W20
T 21	14 55 46	13°49'50	23°58	27°49	23°37	3°33	2°22	28°47	6° 9	0°59	18°47	10°11	10°16	12°56	n.a.	T 21
F 22	14 59 43	14°46'54	6♉49	29°42	24°50	4°11	2°14	28°48	6°13	0°58	18°46	9°58	10°13	13° 2	n.a.	F 22
S 23	15 3 40	15°43'59	19°27	1♊34	26° 3	4°49	2° 7	28°48	6°16	0°57	18°46	9°45	10°10	13° 9	n.a.	S 23
S 24	15 7 36	16°41'03	1♊52	3°23	27°16	5°27	2° 0	28°48	6°20	0°56	18°45	9°33	10° 7	13°16	n.a.	S 24
M25	15 11 33	17°38'08	14° 5	5°11	28°29	6° 5	1°53	28°48	6°23	0°55	18°45	9°22	10° 3	13°22	n.a.	M25
T 26	15 15 29	18°35'13	26° 7	6°56	29°42	6°43	1°46	28°R48	6°27	0°54	18°44	9°13	10° 0	13°29	n.a.	T 26
W27	15 19 26	19°32'19	8♋ 1	8°40	0♉55	7°21	1°39	28°48	6°30	0°53	18°44	9° 7	9°57	13°36	n.a.	W27
T 28	15 23 22	20°29'24	19°50	10°21	2° 8	7°59	1°32	28°48	6°34	0°52	18°43	9° 3	9°54	13°42	n.a.	T 28
F 29	15 27 19	21°26'29	1♌37	12° 1	3°21	8°37	1°25	28°48	6°37	0°52	18°43	9° 2	9°51	13°49	n.a.	F 29
S 30	15 31 16	22°23'35	13°29	13°38	4°34	9°15	1°18	28°47	6°41	0°51	18°42	9°D 2	9°47	13°56	n.a.	S 30
S 31	15 35 12	23♉20'41	25♌30	15♊13	5♉47	9♊53	1♏12	28♏47	6♊45	0♎50	18♏42	9°R 2	9♒44	14♋ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9n47	23n22	1n36	5n44	0s36	1s42	1s37	19n10	0n53	12s30	0n57	22s11	1s19	21n42	0n 9	1n24	2n10	35s 3	12s39	17s33	17s42	26n 4		n.a.
S 2	10 8	19 49	0 34	6 43	0 25	1 12	1 36	19 21	0 54	12 27	0 57	22 11	1 20	21 42	0 9	1 25	2 10	35 3	12 39	17 33	17 43	26 3		n.a.
S 3	10 29	15 25	0s30	7 42	0 14	0 42	1 35	19 31	0 54	12 25	0 57	22 10	1 20	21 43	0 9	1 26	2 10	35 4	12 40	17 33	17 44	26 1		n.a.
M 4	10 50	10 19	1 33	8 41	0 3	0 12	1 34	19 41	0 54	12 22	0 57	22 10	1 20	21 43	0 9	1 26	2 10	35 4	12 40	17 33	17 45	26 0		n.a.
T 5	11 11	4 41	2 34	9 40	0n 7	0n18	1 33	19 52	0 54	12 20	0 57	22 10	1 20	21 44	0 9	1 27	2 10	35 4	12 41	17 34	17 46	25 59		n.a.
W 6	11 32	1s17	3 28	10 39	0 18	0 49	1 32	20 2	0 55	12 17	0 57	22 10	1 20	21 45	0 9	1 27	2 10	35 5	12 41	17 36	17 47	25 57		n.a.
T 7	11 52	7 21	4 13	11 36	0 28	1 19	1 31	20 11	0 55	12 15	0 56	22 10	1 21	21 45	0 9	1 28	2 10	35 5	12 41	17 38	17 48	25 56		n.a.
F 8	12 12	13 15	4 45	12 33	0 38	1 49	1 30	20 21	0 55	12 12	0 56	22 9	1 21	21 46	0 9	1 28	2 10	35 5	12 42	17 41	17 49	25 55		n.a.
S 9	12 32	18 37	5 0	13 28	0 48	2 19	1 29	20 31	0 56	12 10	0 56	22 9	1 21	21 46	0 9	1 29	2 10	35 6	12 42	17 44	17 49	25 53		n.a.
S 10	12 52	23 2	4 56	14 22	0 57	2 49	1 27	20 40	0 56	12 7	0 56	22 9	1 21	21 47	0 9	1 29	2 10	35 6	12 42	17 47	17 50	25 52		n.a.
M11	13 12	26 5	4 34	15 14	1 6	3 19	1 26	20 49	0 56	12 5	0 56	22 9	1 21	21 47	0 9	1 30	2 10	35 6	12 43	17 50	17 51	25 50		n.a.
T 12	13 31	27 23	3 54	16 4	1 14	3 49	1 25	20 58	0 57	12 2	0 56	22 9	1 22	21 48	0 9	1 30	2 10	35 7	12 43	17 52	17 52	25 49		n.a.
W13	13 51	26 48	2 59	16 53	1 21	4 19	1 23	21 7	0 57	12 0	0 56	22 9	1 22	21 49	0 9	1 31	2 10	35 7	12 43	17 53	17 53	25 48		n.a.
T 14	14 10	24 26	1 53	17 39	1 28	4 49	1 22	21 16	0 57	11 57	0 56	22 9	1 22	21 49	0 9	1 31	2 10	35 7	12 44	17 54	17 54	25 46		n.a.
F 15	14 29	20 34	0 41	18 23	1 34	5 19	1 20	21 25	0 57	11 55	0 55	22 9	1 22	21 50	0 9	1 32	2 9	35 8	12 44	17 54	17 55	25 45		n.a.
S 16	14 47	15 34	0n33	19 5	1 40	5 49	1 19	21 33	0 58	11 52	0 55	22 9	1 23	21 50	0 9	1 32	2 9	35 8	12 44	17 54	17 56	25 43		n.a.
S 17	15 6	9 51	1 44	19 44	1 45	6 18	1 17	21 42	0 58	11 50	0 55	22 9	1 23	21 51	0 9	1 32	2 9	35 9	12 45	17 54	17 56	25 42		n.a.
M18	15 24	3 45	2 48	20 21	1 49	6 48	1 15	21 50	0 58	11 48	0 55	22 9	1 23	21 52	0 9	1 33	2 9	35 9	12 45	17 55	17 57	25 41		n.a.
T 19	15 42	2n26	3 41	20 56	1 53	7 17	1 14	21 58	0 59	11 45	0 55	22 9	1 23	21 52	0 9	1 33	2 9	35 9	12 45	17 56	17 58	25 39		n.a.
W20	16 0	8 24	4 22	21 28	1 56	7 46	1 12	22 6	0 59	11 43	0 55	22 9	1 24	21 53	0 9	1 34	2 9	35 10	12 46	17 59	17 59	25 38		n.a.
T 21	16 17	13 55	4 48	21 58	1 58	8 15	1 10	22 14	0 59	11 40	0 54	22 9	1 24	21 54	0 9	1 34	2 9	35 10	12 46	18 1	18 0	25 36		n.a.
F 22	16 34	18 45	5 0	22 25	2 0	8 44	1 8	22 21	0 59	11 38	0 54	22 9	1 24	21 54	0 9	1 34	2 9	35 10	12 46	18 5	18 1	25 35		n.a.
S 23	16 51	22 39	4 56	22 50	2 1	9 13	1 6	22 29	1 0	11 35	0 54	22 9	1 24	21 55	0 9	1 35	2 9	35 11	12 47	18 8	18 2	25 33		n.a.
S 24	17 8	25 28	4 38	23 13	2 1	9 42	1 4	22 36	1 0	11 33	0 54	22 10	1 24	21 55	0 9	1 35	2 9	35 11	12 47	18 12	18 3	25 32		n.a.
M25	17 25	27 1	4 8	23 33	2 1	10 10	1 2	22 43	1 0	11 31	0 54	22 10	1 25	21 56	0 9	1 36	2 9	35 12	12 47	18 15	18 3	25 30		n.a.
T 26	17 41	27 16	3 26	23 51	2 0	10 38	1 0	22 50	1 0	11 28	0 53	22 10	1 25	21 57	0 9	1 36	2 9	35 12	12 48	18 17	18 4	25 29		n.a.
W27	17 57	26 15	2 36	24 7	1 58	11 6	0 58	22 57	1 1	11 26	0 53	22 10	1 25	21 57	0 9	1 36	2 9	35 12	12 48	18 19	18 5	25 27		n.a.
T 28	18 12	24 3	1 40	24 20	1 56	11 34	0 56	23 3	1 1	11 24	0 53	22 11	1 25	21 58	0 9	1 37	2 9	35 13	12 48	18 20	18 6	25 26		n.a.
F 29	18 28	20 49	0 39	24 32	1 54	12 1	0 54	23 10	1 1	11 22	0 53	22 11	1 26	21 59	0 9	1 37	2 9	35 13	12 49	18 20	18 7	25 24		n.a.
S 30	18 43	16 43	0s24	24 41	1 50	12 28	0 52	23 16	1 1	11 20	0 53	22 11	1 26	21 59	0 9	1 37	2 9	35 14	12 49	18 20	18 8	25 23		n.a.
S 31	18n57	11n54	1s26	24n49	1n46	12n55	0s50	23n22	1n 2	11s17	0n52	22s11	1s26	22n 0	0n 9	1n37	2n 9	35s14	12s49	18s20	18s 9	25n21		n.a.

Julian Day Number = 1115593.5, Delta T = 10h47m41s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'14, Lahiri = -26°50'14 Julian Calendar 1 May 1659 BCE == Greg. Calendar 17 Apr. 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

JUNE 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 39 9	24♉17'46	7♍46	16♊47	7♉ 0	10♊31	1°R 5	28°R46	6♊48	0°R49	18°R41	9°R 1	9♒41	14♋ 9	n.a.	M 1
T 2	15 43 5	25°14'52	20°22	18°18	8°13	11° 9	0♏59	28♉46	6°52	0♎48	18♉40	8♒59	9°38	14°16	n.a.	T 2
W 3	15 47 2	26°11'59	3♎22	19°47	9°26	11°47	0°52	28°45	6°55	0°47	18°40	8°54	9°35	14°22	n.a.	W 3
T 4	15 50 58	27° 9'05	16°48	21°14	10°39	12°25	0°46	28°44	6°59	0°47	18°39	8°47	9°32	14°29	n.a.	T 4
F 5	15 54 55	28° 6'12	0♏43	22°39	11°53	13° 3	0°40	28°43	7° 3	0°46	18°38	8°38	9°28	14°36	n.a.	F 5
S 6	15 58 51	29° 3'20	15° 2	24° 2	13° 6	13°41	0°34	28°42	7° 6	0°45	18°38	8°28	9°25	14°42	n.a.	S 6
S 7	16 2 48	0♊ 0'28	29°41	25°23	14°19	14°19	0°28	28°41	7°10	0°45	18°37	8°18	9°22	14°49	n.a.	S 7
M 8	16 6 45	0°57'37	14♐32	26°41	15°32	14°57	0°23	28°39	7°14	0°44	18°36	8° 9	9°19	14°56	n.a.	M 8
T 9	16 10 41	1°54'47	29°27	27°57	16°46	15°35	0°17	28°38	7°17	0°44	18°35	8° 2	9°16	15° 2	n.a.	T 9
W10	16 14 38	2°51'57	14♑18	29°11	17°59	16°13	0°12	28°36	7°21	0°43	18°34	7°58	9°13	15° 9	n.a.	W10
T 11	16 18 34	3°49'09	28°57	0♋23	19°12	16°51	0° 7	28°35	7°25	0°42	18°34	7°56	9° 9	15°15	n.a.	T 11
F 12	16 22 31	4°46'22	13♒20	1°32	20°26	17°29	0° 1	28°33	7°28	0°42	18°33	7°D56	9° 6	15°22	n.a.	F 12
S 13	16 26 27	5°43'36	27°25	2°38	21°39	18° 7	29♎56	28°31	7°32	0°42	18°32	7°56	9° 3	15°29	n.a.	S 13
S 14	16 30 24	6°40'50	11♓11	3°42	22°53	18°45	29°52	28°29	7°36	0°41	18°31	7°R56	9° 0	15°35	n.a.	S 14
M15	16 34 21	7°38'07	24°40	4°43	24° 6	19°23	29°47	28°27	7°40	0°41	18°30	7°55	8°57	15°42	n.a.	M15
T 16	16 38 17	8°35'24	7♈52	5°41	25°20	20° 1	29°42	28°25	7°43	0°40	18°29	7°52	8°53	15°49	n.a.	T 16
W17	16 42 14	9°32'42	20°50	6°37	26°33	20°39	29°38	28°23	7°47	0°40	18°28	7°46	8°50	15°55	n.a.	W17
T 18	16 46 10	10°30'02	3♉35	7°29	27°47	21°17	29°34	28°21	7°51	0°40	18°27	7°38	8°47	16° 2	n.a.	T 18
F 19	16 50 7	11°27'23	16° 8	8°18	29° 1	21°55	29°30	28°19	7°54	0°39	18°26	7°28	8°44	16° 9	n.a.	F 19
S 20	16 54 3	12°24'46	28°30	9° 4	0♊14	22°33	29°26	28°16	7°58	0°39	18°25	7°18	8°41	16°15	n.a.	S 20
S 21	16 58 0	13°22'09	10♊41	9°46	1°28	23°11	29°22	28°14	8° 2	0°39	18°24	7° 8	8°38	16°22	n.a.	S 21
M22	17 1 56	14°19'34	22°44	10°24	2°42	23°49	29°19	28°11	8° 5	0°39	18°23	7° 0	8°34	16°29	n.a.	M22
T 23	17 5 53	15°17'00	4♋39	10°58	3°55	24°28	29°15	28° 8	8° 9	0°39	18°22	6°53	8°31	16°35	n.a.	T 23
W24	17 9 50	16°14'27	16°29	11°29	5° 9	25° 6	29°12	28° 6	8°13	0°38	18°21	6°49	8°28	16°42	n.a.	W24
T 25	17 13 46	17°11'55	28°15	11°55	6°23	25°44	29° 9	28° 3	8°16	0°38	18°20	6°46	8°25	16°49	n.a.	T 25
F 26	17 17 43	18° 9'24	10♌ 2	12°16	7°37	26°22	29° 6	28° 0	8°20	0°38	18°19	6°D46	8°22	16°55	n.a.	F 26
S 27	17 21 39	19° 6'54	21°53	12°33	8°51	27° 0	29° 4	27°57	8°24	0°D38	18°18	6°47	8°19	17° 2	n.a.	S 27
S 28	17 25 36	20° 4'25	3♍54	12°45	10° 5	27°38	29° 1	27°54	8°27	0°38	18°17	6°48	8°15	17° 9	n.a.	S 28
M29	17 29 32	21° 1'57	16° 8	12°52	11°19	28°16	28°59	27°50	8°31	0°38	18°16	6°R49	8°12	17°15	n.a.	M29
T 30	17 33 29	21♊59'30	28♍42	12°R54	12♊33	28♊55	28♎57	27♑47	8♊35	0♎38	18♑15	6♒49	8♒ 9	17♋22	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n12	6n33	2s26	24n55	1n42	13n22	0s48	23n28	1n 2	11s15	0n52	22s12	1s26	22n 0	0n 9	1n38	2n 9	35s14	12s49	18s20	18s10	25n20		n.a.
T 2	19 26	0 49	3 21	24 58	1 37	13 48	0 45	23 33	1 2	11 13	0 52	22 12	1 26	22 1	0 9	1 38	2 9	35 15	12 50	18 21	18 10	25 18		n.a.
W 3	19 40	5s 7	4 7	25 1	1 32	14 14	0 43	23 39	1 2	11 11	0 52	22 13	1 27	22 2	0 9	1 38	2 8	35 15	12 50	18 22	18 11	25 17		n.a.
T 4	19 53	11 2	4 41	25 1	1 26	14 39	0 41	23 44	1 2	11 9	0 52	22 13	1 27	22 2	0 9	1 38	2 8	35 16	12 50	18 24	18 12	25 15		n.a.
F 5	20 7	16 36	5 0	25 0	1 19	15 5	0 38	23 50	1 3	11 7	0 51	22 13	1 27	22 3	0 9	1 39	2 8	35 16	12 51	18 27	18 13	25 14		n.a.
S 6	20 19	21 25	5 1	24 57	1 12	15 29	0 36	23 55	1 3	11 5	0 51	22 14	1 27	22 4	0 9	1 39	2 8	35 16	12 51	18 29	18 14	25 12		n.a.
S 7	20 32	25 3	4 42	24 53	1 5	15 54	0 34	23 59	1 3	11 4	0 51	22 14	1 28	22 4	0 9	1 39	2 8	35 17	12 51	18 32	18 15	25 11		n.a.
M 8	20 44	27 1	4 4	24 48	0 57	16 18	0 31	24 4	1 3	11 2	0 51	22 15	1 28	22 5	0 9	1 39	2 8	35 17	12 51	18 34	18 16	25 9		n.a.
T 9	20 56	27 3	3 10	24 41	0 49	16 42	0 29	24 9	1 3	11 0	0 50	22 15	1 28	22 5	0 9	1 40	2 8	35 18	12 52	18 36	18 16	25 8		n.a.
W10	21 7	25 8	2 2	24 33	0 40	17 5	0 27	24 13	1 4	10 58	0 50	22 16	1 28	22 6	0 9	1 40	2 8	35 18	12 52	18 37	18 17	25 6		n.a.
T 11	21 19	21 32	0 48	24 24	0 31	17 28	0 24	24 17	1 4	10 57	0 50	22 16	1 28	22 7	0 9	1 40	2 8	35 18	12 52	18 38	18 18	25 4		n.a.
F 12	21 29	16 40	0n29	24 14	0 21	17 51	0 22	24 21	1 4	10 55	0 50	22 17	1 29	22 7	0 9	1 40	2 8	35 19	12 53	18 38	18 19	25 3		n.a.
S 13	21 40	11 0	1 42	24 3	0 11	18 13	0 19	24 25	1 4	10 53	0 49	22 18	1 29	22 8	0 9	1 40	2 8	35 19	12 53	18 38	18 20	25 1		n.a.
S 14	21 50	4 55	2 48	23 51	0 1	18 34	0 17	24 28	1 4	10 52	0 49	22 18	1 29	22 9	0 9	1 40	2 8	35 20	12 53	18 38	18 21	25 0		n.a.
M15	22 0	1n14	3 43	23 39	0s10	18 55	0 14	24 32	1 5	10 51	0 49	22 19	1 29	22 9	0 10	1 40	2 8	35 20	12 53	18 38	18 22	24 58		n.a.
T 16	22 9	7 13	4 25	23 25	0 20	19 16	0 12	24 35	1 5	10 49	0 49	22 19	1 29	22 10	0 9	1 40	2 8	35 20	12 54	18 39	18 22	24 56		n.a.
W17	22 18	12 46	4 52	23 12	0 32	19 36	0 9	24 38	1 5	10 48	0 48	22 20	1 30	22 10	0 9	1 40	2 8	35 21	12 54	18 40	18 23	24 55		n.a.
T 18	22 26	17 42	5 4	22 57	0 43	19 55	0 7	24 41	1 5	10 47	0 48	22 21	1 30	22 11	0 9	1 41	2 8	35 21	12 54	18 42	18 24	24 53		n.a.
F 19	22 35	21 46	5 2	22 42	0 55	20 14	0 5	24 44	1 5	10 45	0 48	22 21	1 30	22 12	0 9	1 41	2 7	35 21	12 54	18 45	18 25	24 51		n.a.
S 20	22 42	24 49	4 45	22 27	1 7	20 33	0 2	24 46	1 6	10 44	0 48	22 22	1 30	22 12	0 10	1 41	2 7	35 22	12 55	18 48	18 26	24 50		n.a.
S 21	22 50	26 40	4 15	22 12	1 20	20 51	0n 0	24 48	1 6	10 43	0 47	22 23	1 31	22 13	0 10	1 41	2 7	35 22	12 55	18 50	18 27	24 48		n.a.
M22	22 57	27 15	3 34	21 57	1 32	21 8	0 3	24 50	1 6	10 42	0 47	22 24	1 31	22 14	0 10	1 41	2 7	35 23	12 55	18 52	18 27	24 47		n.a.
T 23	23 4	26 32	2 44	21 41	1 45	21 25	0 5	24 52	1 6	10 41	0 47	22 24	1 31	22 14	0 10	1 41	2 7	35 23	12 55	18 54	18 28	24 45		n.a.
W24	23 10	24 37	1 47	21 26	1 58	21 41	0 8	24 54	1 6	10 40	0 47	22 25	1 31	22 15	0 10	1 41	2 7	35 23	12 55	18 55	18 29	24 43		n.a.
T 25	23 16	21 39	0 46	21 11	2 10	21 57	0 10	24 55	1 6	10 39	0 46	22 26	1 31	22 15	0 10	1 41	2 7	35 24	12 56	18 56	18 30	24 42		n.a.
F 26	23 21	17 47	0s18	20 56	2 23	22 12	0 12	24 57	1 7	10 39	0 46	22 27	1 32	22 16	0 10	1 41	2 7	35 24	12 56	18 56	18 31	24 40		n.a.
S 27	23 26	13 12	1 21	20 42	2 36	22 26	0 15	24 58	1 7	10 38	0 46	22 27	1 32	22 17	0 10	1 41	2 7	35 24	12 56	18 56	18 32	24 38		n.a.
S 28	23 31	8 4	2 22	20 28	2 49	22 40	0 17	24 59	1 7	10 37	0 46	22 28	1 32	22 17	0 10	1 40	2 7	35 25	12 56	18 55	18 33	24 37		n.a.
M29	23 35	2 33	3 17	20 15	3 1	22 53	0 20	25 0	1 7	10 37	0 45	22 29	1 32	22 18	0 10	1 40	2 7	35 25	12 56	18 55	18 33	24 35		n.a.
T 30	23n38	3s12	4s 4	20n 3	3s13	23n 5	0n22	25n 0	1n 7	10s36	0n45	22s30	1s32	22n18	0n10	1n40	2n 7	35s25	12s57	18s55	18s34	24n33		n.a.

Julian Day Number = 1115624.5, Delta T = 10h47m39s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'10, Lahiri = -26°50'10 Julian Calendar 1 June 1659 BCE == Greg. Calendar 18 May 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

JULY 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 37 26	22♊57'05	11♎39	12°R50	13♊47	29♊33	28°R55	27°R44	8♊38	0♎38	18°R14	6°R47	8♒ 6	17♋29	n.a.	W 1
T 2	17 41 22	23°54'40	25° 3	12♋41	15° 1	0♋11	28♎53	27♑41	8°42	0°39	18♑13	6♒44	8° 3	17°35	n.a.	T 2
F 3	17 45 19	24°52'17	8♏56	12°26	16°15	0°49	28°51	27°37	8°45	0°39	18°12	6°39	7°59	17°42	n.a.	F 3
S 4	17 49 15	25°49'55	23°17	12° 5	17°29	1°28	28°50	27°33	8°49	0°39	18°10	6°33	7°56	17°49	n.a.	S 4
S 5	17 53 12	26°47'35	8♐ 2	11°39	18°43	2° 6	28°49	27°30	8°52	0°39	18° 9	6°27	7°53	17°55	n.a.	S 5
M 6	17 57 8	27°45'16	23° 4	11° 8	19°57	2°44	28°48	27°26	8°56	0°39	18° 8	6°22	7°50	18° 2	n.a.	M 6
T 7	18 1 5	28°42'58	8♑14	10°32	21°11	3°22	28°47	27°22	9° 0	0°40	18° 7	6°18	7°47	18° 9	n.a.	T 7
W 8	18 5 1	29°40'42	23°22	9°51	22°25	4° 1	28°46	27°19	9° 3	0°40	18° 6	6°16	7°44	18°15	n.a.	W 8
T 9	18 8 58	0♋38'28	8♒20	9° 6	23°39	4°39	28°46	27°15	9° 7	0°40	18° 4	6°D15	7°40	18°22	n.a.	T 9
F 10	18 12 55	1°36'16	22°59	8°18	24°54	5°17	28°46	27°11	9°10	0°41	18° 3	6°16	7°37	18°29	n.a.	F 10
S 11	18 16 51	2°34'05	7♓17	7°27	26° 8	5°56	28°D46	27° 7	9°14	0°41	18° 2	6°17	7°34	18°35	n.a.	S 11
S 12	18 20 48	3°31'57	21°11	6°34	27°22	6°34	28°46	27° 3	9°17	0°42	18° 1	6°19	7°31	18°42	n.a.	S 12
M13	18 24 44	4°29'50	4♈41	5°40	28°37	7°12	28°46	26°59	9°20	0°42	18° 0	6°R19	7°28	18°49	n.a.	M13
T 14	18 28 41	5°27'45	17°50	4°47	29°51	7°51	28°47	26°55	9°24	0°43	17°58	6°18	7°25	18°55	n.a.	T 14
W15	18 32 37	6°25'43	0♉40	3°55	1♋ 5	8°29	28°47	26°50	9°27	0°43	17°57	6°16	7°21	19° 2	n.a.	W15
T 16	18 36 34	7°23'42	13°13	3° 5	2°20	9° 7	28°48	26°46	9°31	0°44	17°56	6°13	7°18	19° 8	n.a.	T 16
F 17	18 40 30	8°21'44	25°33	2°19	3°34	9°46	28°49	26°42	9°34	0°44	17°55	6° 9	7°15	19°15	n.a.	F 17
S 18	18 44 27	9°19'47	7♊42	1°37	4°49	10°24	28°50	26°38	9°37	0°45	17°53	6° 4	7°12	19°22	n.a.	S 18
S 19	18 48 24	10°17'53	19°42	1° 1	6° 3	11° 3	28°52	26°33	9°41	0°46	17°52	6° 0	7° 9	19°28	n.a.	S 19
M20	18 52 20	11°16'00	1♋36	0°31	7°18	11°41	28°54	26°29	9°44	0°46	17°51	5°56	7° 5	19°35	n.a.	M20
T 21	18 56 17	12°14'10	13°26	0° 9	8°32	12°20	28°55	26°24	9°47	0°47	17°50	5°53	7° 2	19°42	n.a.	T 21
W22	19 0 13	13°12'21	25°13	29♊54	9°47	12°58	28°57	26°20	9°50	0°48	17°48	5°52	6°59	19°48	n.a.	W22
T 23	19 4 10	14°10'34	7♌ 0	29°D47	11° 1	13°37	28°59	26°15	9°54	0°49	17°47	5°D51	6°56	19°55	n.a.	T 23
F 24	19 8 6	15° 8'49	18°50	29°49	12°16	14°15	29° 2	26°11	9°57	0°50	17°46	5°52	6°53	20° 2	n.a.	F 24
S 25	19 12 3	16° 7'06	0♍45	29°59	13°31	14°54	29° 4	26° 6	10° 0	0°51	17°44	5°53	6°50	20° 8	n.a.	S 25
S 26	19 15 59	17° 5'24	12°49	0♋19	14°45	15°32	29° 7	26° 2	10° 3	0°51	17°43	5°54	6°46	20°15	n.a.	S 26
M27	19 19 56	18° 3'44	25° 5	0°46	16° 0	16°11	29°10	25°57	10° 6	0°52	17°42	5°56	6°43	20°22	n.a.	M27
T 28	19 23 53	19° 2'06	7♎38	1°23	17°15	16°50	29°13	25°53	10° 9	0°53	17°41	5°57	6°40	20°28	n.a.	T 28
W29	19 27 49	20° 0'30	20°32	2° 7	18°30	17°28	29°16	25°48	10°12	0°54	17°39	5°R57	6°37	20°35	n.a.	W29
T 30	19 31 46	20°58'55	3♏50	2°59	19°44	18° 7	29°20	25°43	10°15	0°55	17°38	5°57	6°34	20°42	n.a.	T 30
F 31	19 35 42	21♋57'22	17♏34	3♋59	20♋59	18♋45	29♎23	25♑39	10♊18	0♎56	17♑37	5♒56	6♒31	20♋48	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	23n42	8s59	4s41	19n51	3s25	23n17	0n24	25n 1	1n 7	10s36	0n45	22s31	1s32	22n19	0n10	1n40	2n 7	35s26	12s57	18s55	18s35	24n31		n.a.	W 1
T 2	23 45	14 34	5 4	19 41	3 36	23 28	0 26	25 1	1 7	10 35	0 45	22 32	1 33	22 20	0 10	1 40	2 7	35 26	12 57	18 56	18 36	24 30		n.a.	T 2
F 3	23 47	19 37	5 10	19 32	3 47	23 38	0 29	25 1	1 8	10 35	0 44	22 33	1 33	22 20	0 10	1 40	2 6	35 27	12 57	18 58	18 37	24 28		n.a.	F 3
S 4	23 49	23 43	4 57	19 24	3 57	23 48	0 31	25 1	1 8	10 35	0 44	22 34	1 33	22 21	0 10	1 40	2 6	35 27	12 57	18 59	18 38	24 26		n.a.	S 4
S 5	23 51	26 24	4 25	19 18	4 5	23 57	0 33	25 0	1 8	10 34	0 44	22 34	1 33	22 21	0 10	1 40	2 6	35 27	12 57	19 1	18 38	24 25		n.a.	S 5
M 6	23 52	27 15	3 33	19 12	4 13	24 5	0 35	25 0	1 8	10 34	0 44	22 35	1 33	22 22	0 10	1 39	2 6	35 28	12 58	19 2	18 39	24 23		n.a.	M 6
T 7	23 53	26 4	2 27	19 9	4 20	24 13	0 37	24 59	1 8	10 34	0 43	22 36	1 34	22 22	0 10	1 39	2 6	35 28	12 58	19 3	18 40	24 21		n.a.	T 7
W 8	23 53	22 58	1 10	19 7	4 25	24 20	0 40	24 58	1 8	10 34	0 43	22 37	1 34	22 23	0 10	1 39	2 6	35 28	12 58	19 4	18 41	24 19		n.a.	W 8
T 9	23 53	18 20	0n11	19 7	4 28	24 26	0 42	24 57	1 8	10 34	0 43	22 38	1 34	22 24	0 10	1 39	2 6	35 28	12 58	19 4	18 42	24 18		n.a.	T 9
F 10	23 53	12 41	1 30	19 8	4 30	24 31	0 44	24 55	1 8	10 34	0 43	22 39	1 34	22 24	0 10	1 39	2 6	35 29	12 58	19 4	18 43	24 16		n.a.	F 10
S 11	23 52	6 30	2 42	19 11	4 30	24 36	0 46	24 54	1 9	10 35	0 42	22 40	1 34	22 25	0 10	1 38	2 6	35 29	12 58	19 3	18 43	24 14		n.a.	S 11
S 12	23 50	0 11	3 41	19 15	4 28	24 39	0 48	24 52	1 9	10 35	0 42	22 41	1 34	22 25	0 10	1 38	2 6	35 29	12 58	19 3	18 44	24 12		n.a.	S 12
M13	23 49	5n58	4 27	19 21	4 25	24 42	0 50	24 50	1 9	10 35	0 42	22 42	1 35	22 26	0 10	1 38	2 6	35 30	12 59	19 3	18 45	24 10		n.a.	M13
T 14	23 46	11 41	4 57	19 29	4 19	24 45	0 51	24 48	1 9	10 36	0 42	22 43	1 35	22 26	0 10	1 38	2 6	35 30	12 59	19 3	18 46	24 9		n.a.	T 14
W15	23 44	16 46	5 12	19 38	4 12	24 46	0 53	24 46	1 9	10 36	0 41	22 44	1 35	22 27	0 10	1 37	2 6	35 30	12 59	19 3	18 47	24 7		n.a.	W15
T 16	23 41	21 1	5 11	19 49	4 2	24 47	0 55	24 43	1 9	10 37	0 41	22 45	1 35	22 27	0 10	1 37	2 6	35 31	12 59	19 4	18 48	24 5		n.a.	T 16
F 17	23 37	24 17	4 56	20 1	3 51	24 47	0 57	24 40	1 9	10 37	0 41	22 46	1 35	22 28	0 10	1 37	2 6	35 31	12 59	19 5	18 48	24 3		n.a.	F 17
S 18	23 33	26 24	4 27	20 14	3 39	24 47	0 59	24 37	1 9	10 38	0 41	22 47	1 35	22 28	0 10	1 36	2 5	35 31	12 59	19 6	18 49	24 1		n.a.	S 18
S 19	23 29	27 15	3 47	20 28	3 25	24 45	1 0	24 34	1 9	10 39	0 40	22 48	1 35	22 29	0 10	1 36	2 5	35 31	12 59	19 8	18 50	24 0		n.a.	S 19
M20	23 24	26 50	2 57	20 44	3 10	24 43	1 2	24 31	1 9	10 40	0 40	22 49	1 36	22 29	0 10	1 36	2 5	35 32	12 59	19 9	18 51	23 58		n.a.	M20
T 21	23 19	25 12	2 0	21 0	2 53	24 40	1 3	24 28	1 10	10 41	0 40	22 50	1 36	22 30	0 10	1 35	2 5	35 32	12 59	19 9	18 52	23 56		n.a.	T 21
W22	23 13	22 27	0 58	21 17	2 37	24 36	1 5	24 24	1 10	10 41	0 40	22 51	1 36	22 30	0 10	1 35	2 5	35 32	12 59	19 10	18 52	23 54		n.a.	W22
T 23	23 7	18 46	0s 6	21 34	2 19	24 32	1 6	24 20	1 10	10 43	0 39	22 52	1 36	22 31	0 10	1 35	2 5	35 32	12 59	19 10	18 53	23 52		n.a.	T 23
F 24	23 1	14 20	1 11	21 52	2 2	24 26	1 8	24 16	1 10	10 44	0 39	22 53	1 36	22 31	0 10	1 34	2 5	35 33	12 59	19 10	18 54	23 51		n.a.	F 24
S 25	22 54	9 20	2 13	22 9	1 44	24 20	1 9	24 12	1 10	10 45	0 39	22 54	1 36	22 32	0 10	1 34	2 5	35 33	13 0	19 9	18 55	23 49		n.a.	S 25
S 26	22 46	3 57	3 10	22 27	1 26	24 13	1 11	24 7	1 10	10 46	0 39	22 55	1 36	22 32	0 10	1 33	2 5	35 33	13 0	19 9	18 56	23 47		n.a.	S 26
M27	22 39	1s40	4 0	22 45	1 9	24 6	1 12	24 3	1 10	10 47	0 38	22 56	1 36	22 33	0 10	1 33	2 5	35 33	13 0	19 9	18 57	23 45		n.a.	M27
T 28	22 31	7 21	4 39	23 1	0 52	23 58	1 13	23 58	1 10	10 49	0 38	22 57	1 36	22 33	0 10	1 32	2 5	35 34	13 0	19 8	18 57	23 43		n.a.	T 28
W29	22 22	12 52	5 5	23 17	0 35	23 49	1 14	23 53	1 10	10 50	0 38	22 58	1 37	22 34	0 10	1 32	2 5	35 34	13 0	19 8	18 58	23 41		n.a.	W29
T 30	22 13	17 58	5 17	23 32	0 19	23 39	1 15	23 48	1 10	10 51	0 38	22 59	1 37	22 34	0 10	1 32	2 5	35 34	13 0	19 8	18 59	23 39		n.a.	T 30
F 31	22n 4	22s20	5s10	23n46	0s 4	23n28	1n16	23n42	1n10	10s53	0n37	23s 0	1s37	22n35	0n10	1n31	2n 5	35s34	13s 0	19s 9	19s 0	23n37		n.a.	F 31

Julian Day Number = 1115654.5, Delta T = 10h47m37s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'06, Lahiri = -26°50'06 Julian Calendar 1 July 1659 BCE == Greg. Calendar 17 June 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

AUGUST 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 39 39	22♋55'51	1♐45	5♋ 6	22♋14	19♋24	29♎27	25°R34	10♊21	0♎57	17°R36	5°R54	6♒27	20♋55	n.a.	S 1
S 2	19 43 35	23°54'22	16°21	6°19	23°29	20° 3	29°31	25♑29	10°24	0°59	17♑34	5♒53	6°24	21° 2	n.a.	S 2
M 3	19 47 32	24°52'55	1♑18	7°39	24°43	20°42	29°35	25°25	10°27	1° 0	17°33	5°52	6°21	21° 8	n.a.	M 3
T 4	19 51 28	25°51'30	16°27	9° 4	25°58	21°20	29°40	25°20	10°30	1° 1	17°32	5°51	6°18	21°15	n.a.	T 4
W 5	19 55 25	26°50'07	1♒41	10°33	27°13	21°59	29°44	25°15	10°33	1° 2	17°31	5°D50	6°15	21°22	n.a.	W 5
T 6	19 59 22	27°48'46	16°48	12° 7	28°28	22°38	29°49	25°11	10°36	1° 3	17°29	5°50	6°11	21°28	n.a.	T 6
F 7	20 3 18	28°47'27	1♓41	13°44	29°43	23°17	29°54	25° 6	10°38	1° 5	17°28	5°51	6° 8	21°35	n.a.	F 7
S 8	20 7 15	29°46'10	16°12	15°25	0♌58	23°55	29°59	25° 1	10°41	1° 6	17°27	5°51	6° 5	21°41	n.a.	S 8
S 9	20 11 11	0♌44'56	0♈18	17° 8	2°13	24°34	0♏ 4	24°57	10°44	1° 7	17°26	5°52	6° 2	21°48	n.a.	S 9
M10	20 15 8	1°43'44	13°57	18°53	3°28	25°13	0° 9	24°52	10°46	1° 8	17°24	5°52	5°59	21°55	n.a.	M10
T 11	20 19 4	2°42'34	27°10	20°40	4°43	25°52	0°14	24°47	10°49	1°10	17°23	5°52	5°56	22° 1	n.a.	T 11
W12	20 23 1	3°41'27	10♉ 0	22°28	5°58	26°31	0°20	24°43	10°52	1°11	17°22	5°R52	5°52	22° 8	n.a.	W12
T 13	20 26 57	4°40'23	22°29	24°17	7°13	27°10	0°26	24°38	10°54	1°13	17°21	5°52	5°49	22°15	n.a.	T 13
F 14	20 30 54	5°39'21	4♊43	26° 7	8°28	27°49	0°32	24°34	10°57	1°14	17°19	5°D52	5°46	22°21	n.a.	F 14
S 15	20 34 50	6°38'21	16°45	27°57	9°43	28°28	0°38	24°29	10°59	1°16	17°18	5°52	5°43	22°28	n.a.	S 15
S 16	20 38 47	7°37'24	28°38	29°47	10°58	29° 7	0°44	24°24	11° 2	1°17	17°17	5°52	5°40	22°35	n.a.	S 16
M17	20 42 44	8°36'29	10♋27	1♌37	12°13	29°46	0°51	24°20	11° 4	1°19	17°16	5°53	5°37	22°41	n.a.	M17
T 18	20 46 40	9°35'37	22°14	3°27	13°28	0♌25	0°57	24°16	11° 6	1°20	17°15	5°53	5°33	22°48	n.a.	T 18
W19	20 50 37	10°34'47	4♌ 2	5°17	14°43	1° 4	1° 4	24°11	11° 9	1°22	17°14	5°R53	5°30	22°55	n.a.	W19
T 20	20 54 33	11°33'59	15°54	7° 6	15°58	1°43	1°11	24° 7	11°11	1°23	17°12	5°53	5°27	23° 1	n.a.	T 20
F 21	20 58 30	12°33'13	27°51	8°54	17°13	2°22	1°18	24° 2	11°13	1°25	17°11	5°53	5°24	23° 8	n.a.	F 21
S 22	21 2 26	13°32'29	9♍55	10°42	18°28	3° 1	1°25	23°58	11°15	1°27	17°10	5°52	5°21	23°15	n.a.	S 22
S 23	21 6 23	14°31'48	22° 9	12°29	19°43	3°40	1°32	23°54	11°17	1°28	17° 9	5°51	5°17	23°21	n.a.	S 23
M24	21 10 19	15°31'08	4♎34	14°16	20°59	4°19	1°40	23°50	11°19	1°30	17° 8	5°49	5°14	23°28	n.a.	M24
T 25	21 14 16	16°30'30	17°14	16° 2	22°14	4°58	1°47	23°46	11°21	1°32	17° 7	5°48	5°11	23°35	n.a.	T 25
W26	21 18 12	17°29'55	0♏10	17°47	23°29	5°38	1°55	23°42	11°23	1°33	17° 6	5°47	5° 8	23°41	n.a.	W26
T 27	21 22 9	18°29'21	13°25	19°31	24°44	6°17	2° 3	23°38	11°25	1°35	17° 5	5°D47	5° 5	23°48	n.a.	T 27
F 28	21 26 6	19°28'50	27° 0	21°15	25°59	6°56	2°11	23°34	11°27	1°37	17° 4	5°47	5° 2	23°54	n.a.	F 28
S 29	21 30 2	20°28'20	10♐58	22°58	27°14	7°35	2°19	23°30	11°29	1°39	17° 3	5°47	4°58	24° 1	n.a.	S 29
S 30	21 33 59	21°27'52	25°17	24°40	28°30	8°15	2°28	23°26	11°31	1°40	17° 2	5°48	4°55	24° 8	n.a.	S 30
M31	21 37 55	22♌27'26	9♑55	26♌21	29♌45	8♌54	2♏36	23♑22	11♊33	1♎42	17♑ 1	5♒50	4♒52	24♋14	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n54	25s33	4s45	23n58	0n10	23n17	1n17	23n37	1n10	10s55	0n37	23s 1	1s37	22n35	0n10	1n31	2n 5	35s34	13s 0	19s 9	19s 1	23n36		n.a.
S 2	21 44	27 11	4 1	24 8	0 24	23 5	1 18	23 31	1 10	10 56	0 37	23 2	1 37	22 36	0 10	1 30	2 4	35 35	13 0	19 9	19 1	23 34		n.a.
M 3	21 33	26 53	3 0	24 16	0 36	22 53	1 19	23 25	1 10	10 58	0 37	23 3	1 37	22 36	0 10	1 30	2 4	35 35	13 0	19 10	19 2	23 32		n.a.
T 4	21 22	24 36	1 46	24 22	0 48	22 39	1 20	23 19	1 10	11 0	0 36	23 4	1 37	22 37	0 10	1 29	2 4	35 35	13 0	19 10	19 3	23 30		n.a.
W 5	21 11	20 32	0 23	24 26	0 58	22 25	1 21	23 13	1 11	11 2	0 36	23 5	1 37	22 37	0 10	1 28	2 4	35 35	13 0	19 10	19 4	23 28		n.a.
T 6	20 59	15 8	1n 1	24 27	1 8	22 11	1 21	23 7	1 11	11 3	0 36	23 6	1 37	22 37	0 10	1 28	2 4	35 35	13 0	19 10	19 5	23 26		n.a.
F 7	20 47	8 55	2 19	24 26	1 16	21 55	1 22	23 0	1 11	11 5	0 36	23 7	1 37	22 38	0 10	1 27	2 4	35 36	13 0	19 10	19 5	23 24		n.a.
S 8	20 35	2 23	3 26	24 22	1 24	21 39	1 22	22 53	1 11	11 7	0 35	23 7	1 37	22 38	0 10	1 27	2 4	35 36	13 0	19 10	19 6	23 22		n.a.
S 9	20 22	4n 4	4 19	24 16	1 30	21 23	1 23	22 46	1 11	11 9	0 35	23 8	1 37	22 39	0 10	1 26	2 4	35 36	13 0	19 10	19 7	23 20		n.a.
M10	20 9	10 7	4 55	24 7	1 36	21 6	1 23	22 39	1 11	11 11	0 35	23 9	1 38	22 39	0 10	1 26	2 4	35 36	13 0	19 9	19 8	23 18		n.a.
T 11	19 55	15 31	5 14	23 55	1 40	20 48	1 24	22 32	1 11	11 14	0 35	23 10	1 38	22 39	0 10	1 25	2 4	35 36	13 0	19 9	19 9	23 16		n.a.
W12	19 41	20 5	5 17	23 41	1 44	20 29	1 24	22 24	1 11	11 16	0 35	23 11	1 38	22 40	0 10	1 24	2 4	35 36	13 0	19 9	19 9	23 14		n.a.
T 13	19 27	23 38	5 5	23 25	1 47	20 10	1 24	22 17	1 11	11 18	0 34	23 12	1 38	22 40	0 10	1 24	2 4	35 36	12 59	19 9	19 10	23 12		n.a.
F 14	19 13	26 2	4 39	23 6	1 49	19 51	1 24	22 9	1 11	11 20	0 34	23 13	1 38	22 41	0 10	1 23	2 4	35 36	12 59	19 9	19 11	23 11		n.a.
S 15	18 58	27 12	4 1	22 46	1 50	19 30	1 24	22 1	1 11	11 23	0 34	23 14	1 38	22 41	0 10	1 22	2 4	35 37	12 59	19 9	19 12	23 9		n.a.
S 16	18 42	27 6	3 13	22 23	1 51	19 9	1 24	21 52	1 11	11 25	0 34	23 15	1 38	22 41	0 10	1 22	2 4	35 37	12 59	19 9	19 13	23 7		n.a.
M17	18 27	25 44	2 17	21 59	1 51	18 48	1 24	21 44	1 11	11 28	0 33	23 15	1 38	22 42	0 10	1 21	2 4	35 37	12 59	19 9	19 13	23 5		n.a.
T 18	18 11	23 15	1 15	21 32	1 50	18 26	1 24	21 36	1 11	11 30	0 33	23 16	1 38	22 42	0 10	1 20	2 4	35 37	12 59	19 9	19 14	23 3		n.a.
W19	17 55	19 46	0 10	21 4	1 49	18 4	1 24	21 27	1 11	11 33	0 33	23 17	1 38	22 42	0 10	1 20	2 3	35 37	12 59	19 9	19 15	23 1		n.a.
T 20	17 38	15 29	0s55	20 35	1 47	17 41	1 24	21 18	1 11	11 36	0 33	23 18	1 38	22 43	0 10	1 19	2 3	35 37	12 59	19 9	19 16	22 59		n.a.
F 21	17 21	10 35	1 59	20 4	1 45	17 17	1 24	21 9	1 11	11 38	0 33	23 19	1 38	22 43	0 10	1 18	2 3	35 37	12 59	19 9	19 17	22 57		n.a.
S 22	17 4	5 15	2 58	19 31	1 43	16 53	1 23	21 0	1 11	11 41	0 32	23 20	1 38	22 43	0 10	1 18	2 3	35 37	12 59	19 10	19 17	22 55		n.a.
S 23	16 47	0s20	3 50	18 58	1 39	16 29	1 23	20 51	1 11	11 44	0 32	23 20	1 38	22 44	0 10	1 17	2 3	35 37	12 59	19 10	19 18	22 53		n.a.
M24	16 29	5 59	4 31	18 23	1 36	16 4	1 22	20 41	1 11	11 47	0 32	23 21	1 38	22 44	0 10	1 16	2 3	35 37	12 58	19 10	19 19	22 51		n.a.
T 25	16 11	11 30	5 1	17 47	1 32	15 39	1 22	20 31	1 11	11 49	0 32	23 22	1 38	22 44	0 10	1 16	2 3	35 37	12 58	19 10	19 20	22 49		n.a.
W26	15 53	16 39	5 15	17 11	1 28	15 13	1 21	20 22	1 11	11 52	0 32	23 23	1 38	22 45	0 10	1 15	2 3	35 37	12 58	19 11	19 21	22 47		n.a.
T 27	15 34	21 8	5 14	16 34	1 23	14 47	1 21	20 12	1 11	11 55	0 31	23 23	1 38	22 45	0 11	1 14	2 3	35 37	12 58	19 11	19 21	22 45		n.a.
F 28	15 15	24 38	4 56	15 55	1 19	14 20	1 20	20 2	1 11	11 58	0 31	23 24	1 38	22 45	0 11	1 13	2 3	35 37	12 58	19 11	19 22	22 43		n.a.
S 29	14 56	26 47	4 19	15 17	1 14	13 54	1 19	19 51	1 11	12 1	0 31	23 25	1 38	22 45	0 11	1 13	2 3	35 37	12 58	19 11	19 23	22 40		n.a.
S 30	14 37	27 14	3 26	14 37	1 8	13 26	1 18	19 41	1 11	12 4	0 31	23 25	1 38	22 46	0 11	1 12	2 3	35 37	12 58	19 10	19 24	22 38		n.a.
M31	14n17	25s49	2s19	13n57	1n 3	12n59	1n17	19n30	1n11	12s 8	0n30	23s26	1s38	22n46	0n11	1n11	2n 3	35s37	12s58	19s10	19s24	22n36		n.a.

Julian Day Number = 1115685.5, Delta T = 10h47m35s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°57'02, Lahiri = -26°50'01 Julian Calendar 1 Aug. 1659 BCE == Greg. Calendar 18 July 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

SEPTEMBER 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 41 52	23♌27'02	24♑48	28♌ 2	1♍ 0	9♌33	2♏44	23°R18	11♊34	1♎44	17°R 0	5♒50	4♒49	24♋21	n.a.	T 1
W 2	21 45 48	24°26'40	9♒50	29°41	2°15	10°13	2°53	23♑15	11°36	1°46	16♑59	5°R51	4°46	24°28	n.a.	W 2
T 3	21 49 45	25°26'21	24°51	1♍21	3°30	10°52	3° 2	23°11	11°38	1°48	16°58	5°50	4°42	24°34	n.a.	T 3
F 4	21 53 41	26°26'03	9♓44	2°59	4°45	11°32	3°11	23° 8	11°39	1°50	16°57	5°48	4°39	24°41	n.a.	F 4
S 5	21 57 38	27°25'47	24°21	4°37	6° 1	12°11	3°20	23° 4	11°41	1°52	16°56	5°45	4°36	24°48	n.a.	S 5
S 6	22 1 34	28°25'34	8♈35	6°14	7°16	12°50	3°29	23° 1	11°42	1°54	16°55	5°42	4°33	24°54	n.a.	S 6
M 7	22 5 31	29°25'23	22°22	7°50	8°31	13°30	3°38	22°57	11°43	1°56	16°54	5°39	4°30	25° 1	n.a.	M 7
T 8	22 9 28	0♍25'14	5♉43	9°26	9°46	14° 9	3°48	22°54	11°45	1°58	16°53	5°36	4°27	25° 8	n.a.	T 8
W 9	22 13 24	1°25'08	18°37	11° 1	11° 1	14°49	3°57	22°51	11°46	2° 0	16°52	5°34	4°23	25°14	n.a.	W 9
T 10	22 17 21	2°25'05	1♊ 9	12°36	12°17	15°29	4° 7	22°48	11°47	2° 2	16°52	5°D34	4°20	25°21	n.a.	T 10
F 11	22 21 17	3°25'03	13°22	14°10	13°32	16° 8	4°17	22°45	11°49	2° 4	16°51	5°34	4°17	25°28	n.a.	F 11
S 12	22 25 14	4°25'04	25°22	15°43	14°47	16°48	4°27	22°42	11°50	2° 6	16°50	5°35	4°14	25°34	n.a.	S 12
S 13	22 29 10	5°25'08	7♋13	17°16	16° 2	17°27	4°37	22°39	11°51	2° 8	16°49	5°37	4°11	25°41	n.a.	S 13
M14	22 33 7	6°25'14	19° 0	18°49	17°18	18° 7	4°47	22°37	11°52	2°10	16°48	5°39	4° 8	25°47	n.a.	M14
T 15	22 37 3	7°25'21	0♌47	20°20	18°33	18°47	4°57	22°34	11°53	2°12	16°48	5°R40	4° 4	25°54	n.a.	T 15
W16	22 41 0	8°25'31	12°38	21°52	19°48	19°26	5° 7	22°31	11°54	2°14	16°47	5°40	4° 1	26° 1	n.a.	W16
T 17	22 44 57	9°25'44	24°37	23°22	21° 3	20° 6	5°18	22°29	11°55	2°16	16°46	5°38	3°58	26° 7	n.a.	T 17
F 18	22 48 53	10°25'58	6♍45	24°53	22°18	20°46	5°28	22°27	11°55	2°18	16°46	5°35	3°55	26°14	n.a.	F 18
S 19	22 52 50	11°26'14	19° 3	26°22	23°34	21°26	5°39	22°24	11°56	2°20	16°45	5°29	3°52	26°21	n.a.	S 19
S 20	22 56 46	12°26'32	1♎34	27°52	24°49	22° 6	5°49	22°22	11°57	2°22	16°44	5°23	3°48	26°27	n.a.	S 20
M21	23 0 43	13°26'52	14°17	29°20	26° 4	22°45	6° 0	22°20	11°58	2°25	16°44	5°16	3°45	26°34	n.a.	M21
T 22	23 4 39	14°27'13	27°12	0♎48	27°19	23°25	6°11	22°18	11°58	2°27	16°43	5° 9	3°42	26°41	n.a.	T 22
W23	23 8 36	15°27'37	10♏21	2°16	28°34	24° 5	6°22	22°16	11°59	2°29	16°43	5° 4	3°39	26°47	n.a.	W23
T 24	23 12 32	16°28'02	23°43	3°43	29°50	24°45	6°33	22°15	11°59	2°31	16°42	4°59	3°36	26°54	n.a.	T 24
F 25	23 16 29	17°28'29	7♐18	5° 9	1♎ 5	25°25	6°44	22°13	12° 0	2°33	16°42	4°57	3°33	27° 1	n.a.	F 25
S 26	23 20 25	18°28'57	21° 8	6°35	2°20	26° 5	6°56	22°11	12° 0	2°36	16°41	4°D57	3°29	27° 7	n.a.	S 26
S 27	23 24 22	19°29'27	5♑11	8° 0	3°35	26°45	7° 7	22°10	12° 0	2°38	16°41	4°57	3°26	27°14	n.a.	S 27
M28	23 28 19	20°29'58	19°29	9°24	4°50	27°25	7°19	22° 9	12° 1	2°40	16°40	4°59	3°23	27°21	n.a.	M28
T 29	23 32 15	21°30'31	3♒58	10°47	6° 6	28° 5	7°30	22° 7	12° 1	2°42	16°40	4°R59	3°20	27°27	n.a.	T 29
W30	23 36 12	22♍31'05	18♒35	12♎10	7♎21	28♌45	7♏42	22♑ 6	12♊ 1	2♎44	16♑39	4♒59	3♒17	27♋34	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n57	22s34	1s 1	13n17	0n57	12n30	1n16	19n20	1n11	12s11	0n30	23s27	1s38	22n46	0n11	1n10	2n 3	35s37	12s57	19s10	19s25	22n34		n.a.
W 2	13 37	17 46	0n22	12 36	0 51	12 2	1 15	19 9	1 11	12 14	0 30	23 27	1 38	22 46	0 11	1 9	2 3	35 37	12 57	19 10	19 26	22 32		n.a.
T 3	13 17	11 52	1 43	11 54	0 45	11 33	1 14	18 58	1 11	12 17	0 30	23 28	1 38	22 47	0 11	1 9	2 3	35 37	12 57	19 10	19 27	22 30		n.a.
F 4	12 56	5 21	2 56	11 13	0 39	11 4	1 13	18 47	1 10	12 20	0 30	23 28	1 38	22 47	0 11	1 8	2 3	35 37	12 57	19 11	19 28	22 28		n.a.
S 5	12 36	1n19	3 57	10 31	0 33	10 35	1 12	18 35	1 10	12 24	0 30	23 29	1 38	22 47	0 11	1 7	2 3	35 37	12 57	19 11	19 28	22 26		n.a.
S 6	12 15	7 45	4 40	9 48	0 27	10 6	1 10	18 24	1 10	12 27	0 29	23 30	1 38	22 47	0 11	1 6	2 3	35 37	12 57	19 12	19 29	22 24		n.a.
M 7	11 53	13 35	5 6	9 6	0 20	9 36	1 9	18 12	1 10	12 31	0 29	23 30	1 38	22 48	0 11	1 5	2 3	35 37	12 56	19 13	19 30	22 22		n.a.
T 8	11 32	18 36	5 15	8 23	0 14	9 6	1 8	18 1	1 10	12 34	0 29	23 31	1 38	22 48	0 11	1 4	2 3	35 37	12 56	19 13	19 31	22 20		n.a.
W 9	11 10	22 35	5 7	7 41	0 7	8 35	1 6	17 49	1 10	12 37	0 29	23 31	1 38	22 48	0 11	1 4	2 3	35 37	12 56	19 14	19 31	22 18		n.a.
T 10	10 48	25 24	4 44	6 58	0 1	8 5	1 5	17 37	1 10	12 41	0 29	23 32	1 38	22 48	0 11	1 3	2 3	35 37	12 56	19 14	19 32	22 16		n.a.
F 11	10 26	26 57	4 9	6 15	0s 6	7 34	1 3	17 25	1 10	12 44	0 28	23 32	1 38	22 48	0 11	1 2	2 2	35 37	12 56	19 14	19 33	22 13		n.a.
S 12	10 4	27 12	3 24	5 32	0 13	7 3	1 2	17 12	1 10	12 48	0 28	23 33	1 38	22 49	0 11	1 1	2 2	35 37	12 55	19 14	19 34	22 11		n.a.
S 13	9 42	26 11	2 30	4 49	0 20	6 32	1 0	17 0	1 10	12 52	0 28	23 33	1 38	22 49	0 11	1 0	2 2	35 37	12 55	19 13	19 34	22 9		n.a.
M14	9 19	24 0	1 30	4 6	0 26	6 0	0 58	16 47	1 10	12 55	0 28	23 33	1 38	22 49	0 11	0 59	2 2	35 37	12 55	19 13	19 35	22 7		n.a.
T 15	8 57	20 48	0 27	3 23	0 33	5 29	0 57	16 35	1 10	12 59	0 28	23 34	1 38	22 49	0 11	0 58	2 2	35 36	12 55	19 13	19 36	22 5		n.a.
W16	8 34	16 43	0s38	2 41	0 40	4 57	0 55	16 22	1 10	13 2	0 27	23 34	1 38	22 49	0 11	0 58	2 2	35 36	12 55	19 13	19 37	22 3		n.a.
T 17	8 11	11 58	1 42	1 58	0 47	4 25	0 53	16 9	1 10	13 6	0 27	23 35	1 37	22 49	0 11	0 57	2 2	35 36	12 54	19 13	19 38	22 1		n.a.
F 18	7 48	6 42	2 42	1 16	0 53	3 53	0 51	15 56	1 9	13 10	0 27	23 35	1 37	22 49	0 11	0 56	2 2	35 36	12 54	19 14	19 38	21 59		n.a.
S 19	7 24	1 8	3 35	0 33	1 0	3 21	0 49	15 43	1 9	13 14	0 27	23 35	1 37	22 50	0 11	0 55	2 2	35 36	12 54	19 15	19 39	21 56		n.a.
S 20	7 1	4s34	4 18	0s 9	1 6	2 49	0 47	15 30	1 9	13 17	0 27	23 35	1 37	22 50	0 11	0 54	2 2	35 36	12 54	19 17	19 40	21 54		n.a.
M21	6 37	10 10	4 50	0 51	1 13	2 17	0 45	15 16	1 9	13 21	0 27	23 36	1 37	22 50	0 11	0 53	2 2	35 36	12 54	19 18	19 41	21 52		n.a.
T 22	6 14	15 25	5 7	1 32	1 19	1 45	0 43	15 3	1 9	13 25	0 26	23 36	1 37	22 50	0 11	0 52	2 2	35 36	12 53	19 20	19 41	21 50		n.a.
W23	5 50	20 4	5 9	2 13	1 25	1 12	0 41	14 49	1 9	13 29	0 26	23 36	1 37	22 50	0 11	0 51	2 2	35 35	12 53	19 22	19 42	21 48		n.a.
T 24	5 26	23 47	4 54	2 54	1 32	0 40	0 39	14 36	1 9	13 33	0 26	23 37	1 37	22 50	0 11	0 51	2 2	35 35	12 53	19 23	19 43	21 46		n.a.
F 25	5 2	26 15	4 22	3 34	1 38	0 7	0 37	14 22	1 9	13 37	0 26	23 37	1 37	22 50	0 11	0 50	2 2	35 35	12 53	19 23	19 44	21 43		n.a.
S 26	4 38	27 10	3 35	4 14	1 43	0s25	0 35	14 8	1 9	13 41	0 26	23 37	1 37	22 50	0 11	0 49	2 2	35 35	12 52	19 23	19 44	21 41		n.a.
S 27	4 14	26 21	2 34	4 54	1 49	0 57	0 32	13 54	1 8	13 45	0 26	23 37	1 37	22 50	0 11	0 48	2 2	35 35	12 52	19 23	19 45	21 39		n.a.
M28	3 50	23 49	1 23	5 33	1 55	1 30	0 30	13 40	1 8	13 49	0 25	23 37	1 37	22 50	0 11	0 47	2 2	35 35	12 52	19 23	19 46	21 37		n.a.
T 29	3 26	19 43	0 6	6 11	2 0	2 2	0 28	13 26	1 8	13 52	0 25	23 37	1 37	22 50	0 11	0 46	2 2	35 34	12 52	19 23	19 47	21 35		n.a.
W30	3n 1	14s23	1n13	6s48	2s 5	2s35	0n26	13n11	1n 8	13s56	0n25	23s37	1s37	22n50	0n11	0n45	2n 2	35s34	12s51	19s23	19s47	21n33		n.a.

Julian Day Number = 1115716.5, Delta T = 10h47m33s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'58, Lahiri = -26°49'57 Julian Calendar 1 Sept. 1659 BCE == Greg. Calendar 18 Aug. 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

OCTOBER 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 40 8	23♍31'41	3♓15	13♎31	8♎36	29♌25	7♏53	22°R 5	12♊ 1	2♎47	16°R39	4°R56	3♒14	27♋40	n.a.	T 1
F 2	23 44 5	24°32'18	17°52	14°52	9°51	0♍ 6	8° 5	22♉ 4	12°R 1	2°49	16♉39	4♒50	3°10	27°47	n.a.	F 2
S 3	23 48 1	25°32'57	2♈18	16°11	11° 6	0°46	8°17	22° 3	12° 1	2°51	16°38	4°43	3° 7	27°54	n.a.	S 3
S 4	23 51 58	26°33'37	16°28	17°29	12°21	1°26	8°29	22° 3	12° 1	2°53	16°38	4°34	3° 4	28° 0	n.a.	S 4
M 5	23 55 54	27°34'19	0♉16	18°45	13°36	2° 6	8°41	22° 2	12° 1	2°56	16°38	4°25	3° 1	28° 7	n.a.	M 5
T 6	23 59 51	28°35'03	13°39	20° 0	14°51	2°46	8°53	22° 2	12° 1	2°58	16°37	4°17	2°58	28°14	n.a.	T 6
W 7	0 3 48	29°35'49	26°37	21°13	16° 7	3°27	9° 5	22° 1	12° 1	3° 0	16°37	4°10	2°54	28°20	n.a.	W 7
T 8	0 7 44	0♎36'36	9♊12	22°23	17°22	4° 7	9°17	22° 1	12° 0	3° 2	16°37	4° 5	2°51	28°27	n.a.	T 8
F 9	0 11 41	1°37'26	21°27	23°31	18°37	4°47	9°30	22° 1	12° 0	3° 5	16°37	4° 2	2°48	28°34	n.a.	F 9
S 10	0 15 37	2°38'17	3♋28	24°37	19°52	5°28	9°42	22°D 1	12° 0	3° 7	16°37	4°D 2	2°45	28°40	n.a.	S 10
S 11	0 19 34	3°39'10	15°19	25°39	21° 7	6° 8	9°55	22° 1	11°59	3° 9	16°37	4° 2	2°42	28°47	n.a.	S 11
M12	0 23 30	4°40'04	27° 6	26°38	22°22	6°48	10° 7	22° 1	11°59	3°11	16°37	4° 3	2°39	28°54	n.a.	M12
T 13	0 27 27	5°41'00	8♌55	27°33	23°37	7°29	10°20	22° 1	11°58	3°14	16°36	4°R 3	2°35	29° 0	n.a.	T 13
W14	0 31 23	6°41'57	20°49	28°23	24°52	8° 9	10°32	22° 1	11°57	3°16	16°36	4° 2	2°32	29° 7	n.a.	W14
T 15	0 35 20	7°42'56	2♍54	29° 8	26° 7	8°50	10°45	22° 2	11°57	3°18	16°D36	3°58	2°29	29°14	n.a.	T 15
F 16	0 39 17	8°43'57	15°12	29°47	27°22	9°30	10°58	22° 2	11°56	3°20	16°36	3°51	2°26	29°20	n.a.	F 16
S 17	0 43 13	9°44'58	27°46	0♏19	28°37	10°11	11°10	22° 3	11°55	3°23	16°36	3°41	2°23	29°27	n.a.	S 17
S 18	0 47 10	10°46'01	10♎36	0°45	29°52	10°51	11°23	22° 4	11°54	3°25	16°36	3°30	2°19	29°33	n.a.	S 18
M19	0 51 6	11°47'05	23°41	1° 1	1♏ 7	11°32	11°36	22° 5	11°54	3°27	16°37	3°18	2°16	29°40	n.a.	M19
T 20	0 55 3	12°48'10	7♏ 1	1°R 9	2°22	12°13	11°49	22° 6	11°53	3°29	16°37	3° 5	2°13	29°47	n.a.	T 20
W21	0 58 59	13°49'17	20°32	1° 7	3°37	12°53	12° 2	22° 7	11°52	3°32	16°37	2°55	2°10	29°53	n.a.	W21
T 22	1 2 56	14°50'24	4♐13	0°55	4°52	13°34	12°15	22° 8	11°51	3°34	16°37	2°46	2° 7	0♌ 0	n.a.	T 22
F 23	1 6 52	15°51'32	18° 2	0°32	6° 7	14°15	12°29	22°10	11°49	3°36	16°37	2°41	2° 4	0° 7	n.a.	F 23
S 24	1 10 49	16°52'40	1♑57	29♎57	7°22	14°55	12°42	22°11	11°48	3°38	16°37	2°38	2° 0	0°13	n.a.	S 24
S 25	1 14 46	17°53'50	15°57	29°11	8°37	15°36	12°55	22°13	11°47	3°41	16°38	2°D37	1°57	0°20	n.a.	S 25
M26	1 18 42	18°55'00	0♒ 2	28°15	9°52	16°17	13° 8	22°14	11°46	3°43	16°38	2°R37	1°54	0°27	n.a.	M26
T 27	1 22 39	19°56'10	14°11	27° 9	11° 7	16°58	13°22	22°16	11°45	3°45	16°38	2°37	1°51	0°33	n.a.	T 27
W28	1 26 35	20°57'21	28°23	25°56	12°22	17°39	13°35	22°18	11°43	3°47	16°38	2°35	1°48	0°40	n.a.	W28
T 29	1 30 32	21°58'32	12♓35	24°36	13°37	18°20	13°48	22°20	11°42	3°49	16°39	2°30	1°45	0°47	n.a.	T 29
F 30	1 34 28	22°59'44	26°45	23°14	14°52	19° 0	14° 2	22°22	11°41	3°51	16°39	2°22	1°41	0°53	n.a.	F 30
S 31	1 38 25	24♎ 0'56	10♈48	21♎51	16♏ 6	19♍41	14♏15	22♉24	11♊39	3♎54	16♉40	2♒11	1♒38	1♌ 0	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	2n37	8s14	2n26	7s25	2s10	3s 7	0n23	12n57	1n 8	14s 0	0n25	23s38	1s36	22n50	0n11	0n44	2n 2	35s34	12s51	19s24	19s48	21n30			n.a.
F 2	2 13	1 40	3 30	8 1	2 14	3 39	0 21	12 42	1 8	14 5	0 25	23 38	1 36	22 50	0 11	0 43	2 2	35 34	12 51	19 25	19 49	21 28			n.a.
S 3	1 48	4n53	4 19	8 36	2 18	4 11	0 18	12 28	1 8	14 9	0 25	23 38	1 36	22 51	0 11	0 42	2 2	35 34	12 51	19 27	19 50	21 26			n.a.
S 4	1 24	11 3	4 51	9 10	2 22	4 44	0 16	12 13	1 7	14 13	0 25	23 38	1 36	22 51	0 11	0 41	2 2	35 33	12 50	19 29	19 50	21 24			n.a.
M 5	0 59	16 31	5 5	9 43	2 26	5 15	0 14	11 58	1 7	14 17	0 24	23 38	1 36	22 51	0 11	0 41	2 2	35 33	12 50	19 31	19 51	21 21			n.a.
T 6	0 34	21 1	5 2	10 15	2 29	5 47	0 11	11 43	1 7	14 21	0 24	23 38	1 36	22 51	0 11	0 40	2 2	35 33	12 50	19 33	19 52	21 19			n.a.
W 7	0 10	24 21	4 43	10 45	2 32	6 19	0 9	11 28	1 7	14 25	0 24	23 38	1 36	22 51	0 11	0 39	2 2	35 33	12 49	19 35	19 53	21 17			n.a.
T 8	0s15	26 23	4 11	11 14	2 34	6 51	0 6	11 13	1 7	14 29	0 24	23 38	1 36	22 50	0 11	0 38	2 2	35 32	12 49	19 36	19 53	21 15			n.a.
F 9	0 39	27 4	3 28	11 42	2 35	7 22	0 4	10 58	1 7	14 33	0 24	23 38	1 36	22 50	0 11	0 37	2 2	35 32	12 49	19 36	19 54	21 13			n.a.
S 10	1 4	26 27	2 36	12 7	2 36	7 53	0 1	10 43	1 6	14 37	0 24	23 38	1 36	22 50	0 11	0 36	2 2	35 32	12 49	19 37	19 55	21 10			n.a.
S 11	1 29	24 38	1 39	12 31	2 36	8 25	0s 1	10 27	1 6	14 41	0 23	23 37	1 36	22 50	0 11	0 35	2 2	35 32	12 48	19 36	19 56	21 8			n.a.
M12	1 53	21 44	0 37	12 53	2 36	8 55	0 4	10 12	1 6	14 45	0 23	23 37	1 36	22 50	0 11	0 34	2 2	35 31	12 48	19 36	19 56	21 6			n.a.
T 13	2 18	17 57	0s26	13 12	2 35	9 26	0 6	9 56	1 6	14 50	0 23	23 37	1 35	22 50	0 11	0 33	2 2	35 31	12 48	19 36	19 57	21 4			n.a.
W14	2 42	13 26	1 28	13 28	2 33	9 57	0 9	9 41	1 6	14 54	0 23	23 37	1 35	22 50	0 11	0 32	2 2	35 31	12 48	19 37	19 58	21 1			n.a.
T 15	3 7	8 21	2 28	13 41	2 29	10 27	0 11	9 25	1 5	14 58	0 23	23 37	1 35	22 50	0 12	0 31	2 2	35 31	12 47	19 38	19 59	20 59			n.a.
F 16	3 31	2 51	3 21	13 52	2 25	10 57	0 14	9 9	1 5	15 2	0 23	23 37	1 35	22 50	0 12	0 30	2 2	35 30	12 47	19 39	19 59	20 57			n.a.
S 17	3 56	2s50	4 5	13 58	2 20	11 26	0 16	8 54	1 5	15 6	0 23	23 36	1 35	22 50	0 12	0 30	2 2	35 30	12 47	19 41	20 0	20 54			n.a.
S 18	4 20	8 31	4 39	14 1	2 13	11 56	0 19	8 38	1 5	15 11	0 22	23 36	1 35	22 50	0 12	0 29	2 2	35 30	12 46	19 44	20 1	20 52			n.a.
M19	4 45	13 57	4 58	14 0	2 5	12 25	0 22	8 22	1 5	15 15	0 22	23 36	1 35	22 50	0 12	0 28	2 2	35 29	12 46	19 47	20 1	20 50			n.a.
T 20	5 9	18 50	5 1	13 53	1 55	12 54	0 24	8 6	1 4	15 19	0 22	23 36	1 35	22 50	0 12	0 27	2 2	35 29	12 46	19 50	20 2	20 48			n.a.
W21	5 33	22 50	4 48	13 42	1 44	13 22	0 27	7 50	1 4	15 23	0 22	23 35	1 35	22 50	0 12	0 26	2 2	35 29	12 46	19 53	20 3	20 45			n.a.
T 22	5 57	25 37	4 18	13 26	1 31	13 51	0 29	7 34	1 4	15 27	0 22	23 35	1 35	22 49	0 12	0 25	2 2	35 29	12 45	19 55	20 4	20 43			n.a.
F 23	6 21	26 52	3 33	13 4	1 17	14 18	0 32	7 17	1 4	15 32	0 22	23 35	1 34	22 49	0 12	0 24	2 2	35 28	12 45	19 56	20 4	20 41			n.a.
S 24	6 45	26 27	2 35	12 37	1 1	14 46	0 34	7 1	1 3	15 36	0 22	23 35	1 34	22 49	0 12	0 23	2 2	35 28	12 45	19 57	20 5	20 38			n.a.
S 25	7 9	24 22	1 27	12 4	0 43	15 13	0 37	6 45	1 3	15 40	0 22	23 34	1 34	22 49	0 12	0 22	2 2	35 28	12 45	19 57	20 6	20 36			n.a.
M26	7 33	20 45	0 14	11 26	0 25	15 40	0 39	6 28	1 3	15 44	0 21	23 34	1 34	22 49	0 12	0 22	2 2	35 27	12 44	19 57	20 7	20 34			n.a.
T 27	7 56	15 55	1n 1	10 44	0 5	16 6	0 41	6 12	1 3	15 48	0 21	23 33	1 34	22 49	0 12	0 21	2 2	35 27	12 44	19 57	20 7	20 31			n.a.
W28	8 20	10 12	2 12	9 57	0n16	16 32	0 44	5 56	1 2	15 53	0 21	23 33	1 34	22 49	0 12	0 20	2 2	35 27	12 44	19 57	20 8	20 29			n.a.
T 29	8 43	3 58	3 15	9 9	0 36	16 57	0 46	5 39	1 2	15 57	0 21	23 33	1 34	22 48	0 12	0 19	2 2	35 26	12 43	19 58	20 9	20 27			n.a.
F 30	9 6	2n25	4 5	8 19	0 57	17 22	0 49	5 23	1 2	16 1	0 21	23 32	1 34	22 48	0 12	0 18	2 2	35 26	12 43	20 0	20 9	20 24			n.a.
S 31	9s29	8n38	4n40	7s30	1n16	17s47	0s51	5n 6	1n 2	16s 5	0n21	23s32	1s34	22n48	0n12	0n17	2n 2	35s26	12s43	20s 3	20s10	20n22			n.a.

Julian Day Number = 1115746.5, Delta T = 10h47m31s
Ecliptic obliquity = 23°53'23, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'54, Lahiri = -26°49'53 Julian Calendar 1 Oct. 1659 BCE == Greg. Calendar 17 Sept. 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

NOVEMBER 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 42 21	25♎ 2'09	24♈39	20°R31	17♏21	20♍22	14♏29	22♑27	11°R38	3♎56	16♑40	1°R59	1♒35	1♌ 6	n.a.	S 1
M 2	1 46 18	26° 3'23	8♉13	19♎16	18°36	21° 3	14°42	22°29	11♊36	3°58	16°40	1♒45	1°32	1°13	n.a.	M 2
T 3	1 50 15	27° 4'38	21°28	18° 8	19°51	21°44	14°56	22°31	11°34	4° 0	16°41	1°33	1°29	1°20	n.a.	T 3
W 4	1 54 11	28° 5'53	4♊23	17° 9	21° 6	22°25	15° 9	22°34	11°33	4° 2	16°41	1°22	1°25	1°26	n.a.	W 4
T 5	1 58 8	29° 7'09	16°57	16°21	22°20	23° 6	15°23	22°37	11°31	4° 4	16°42	1°13	1°22	1°33	n.a.	T 5
F 6	2 2 4	0♏ 8'25	29°13	15°43	23°35	23°47	15°37	22°40	11°29	4° 6	16°42	1° 8	1°19	1°40	n.a.	F 6
S 7	2 6 1	1° 9'42	11♋14	15°16	24°50	24°29	15°50	22°42	11°27	4° 8	16°43	1° 5	1°16	1°46	n.a.	S 7
S 8	2 9 57	2°11'00	23° 6	15° 0	26° 4	25°10	16° 4	22°45	11°26	4°10	16°44	1° 4	1°13	1°53	n.a.	S 8
M 9	2 13 54	3°12'19	4♌54	14°D55	27°19	25°51	16°18	22°49	11°24	4°12	16°44	1° 4	1°10	2° 0	n.a.	M 9
T 10	2 17 51	4°13'38	16°42	14°59	28°34	26°32	16°32	22°52	11°22	4°15	16°45	1° 3	1° 6	2° 6	n.a.	T 10
W11	2 21 47	5°14'57	28°38	15°13	29°49	27°13	16°45	22°55	11°20	4°17	16°46	1° 2	1° 3	2°13	n.a.	W11
T 12	2 25 44	6°16'17	10♍46	15°35	1♐ 3	27°55	16°59	22°58	11°18	4°19	16°46	0°58	1° 0	2°20	n.a.	T 12
F 13	2 29 40	7°17'37	23°10	16° 4	2°18	28°36	17°13	23° 2	11°16	4°20	16°47	0°51	0°57	2°26	n.a.	F 13
S 14	2 33 37	8°18'58	5♎53	16°40	3°32	29°17	17°27	23° 6	11°14	4°22	16°48	0°41	0°54	2°33	n.a.	S 14
S 15	2 37 33	9°20'19	18°58	17°22	4°47	29°59	17°41	23° 9	11°12	4°24	16°48	0°29	0°50	2°40	n.a.	S 15
M16	2 41 30	10°21'40	2♏23	18° 9	6° 2	0♎40	17°55	23°13	11°10	4°26	16°49	0°16	0°47	2°46	n.a.	M16
T 17	2 45 26	11°23'01	16° 7	19° 1	7°16	1°21	18° 9	23°17	11° 8	4°28	16°50	0° 3	0°44	2°53	n.a.	T 17
W18	2 49 23	12°24'22	0♐ 5	19°57	8°31	2° 3	18°23	23°21	11° 5	4°30	16°51	29♑51	0°41	2°59	n.a.	W18
T 19	2 53 20	13°25'43	14°14	20°57	9°45	2°44	18°36	23°25	11° 3	4°32	16°52	29°42	0°38	3° 6	n.a.	T 19
F 20	2 57 16	14°27'04	28°27	22° 0	11° 0	3°26	18°50	23°29	11° 1	4°34	16°53	29°36	0°35	3°13	n.a.	F 20
S 21	3 1 13	15°28'25	12♑41	23° 7	12°14	4° 7	19° 4	23°33	10°59	4°36	16°54	29°33	0°31	3°19	n.a.	S 21
S 22	3 5 9	16°29'45	26°53	24°15	13°29	4°49	19°18	23°38	10°56	4°37	16°54	29°D32	0°28	3°26	n.a.	S 22
M23	3 9 6	17°31'04	11♒ 1	25°26	14°43	5°30	19°32	23°42	10°54	4°39	16°55	29°R32	0°25	3°33	n.a.	M23
T 24	3 13 2	18°32'23	25° 4	26°39	15°57	6°12	19°46	23°46	10°52	4°41	16°56	29°32	0°22	3°39	n.a.	T 24
W25	3 16 59	19°33'41	9♓ 1	27°54	17°12	6°53	20° 0	23°51	10°49	4°43	16°57	29°30	0°19	3°46	n.a.	W25
T 26	3 20 56	20°34'58	22°52	29°11	18°26	7°35	20°14	23°56	10°47	4°44	16°58	29°26	0°16	3°53	n.a.	T 26
F 27	3 24 52	21°36'15	6♈36	0♏29	19°40	8°17	20°28	24° 0	10°45	4°46	16°59	29°19	0°12	3°59	n.a.	F 27
S 28	3 28 49	22°37'31	20°11	1°48	20°55	8°58	20°42	24° 5	10°42	4°48	17° 0	29°10	0° 9	4° 6	n.a.	S 28
S 29	3 32 45	23°38'47	3♉35	3° 9	22° 9	9°40	20°56	24°10	10°40	4°50	17° 1	28°59	0° 6	4°13	n.a.	S 29
M30	3 36 42	24♏40'02	16♉47	4♏30	23♐23	10♎22	21♏10	24♑15	10♊37	4♎51	17♑ 3	28♑47	0♒ 3	4♌19	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s52	14n19	4n58	6s43	1n34	18s11	0s53	4n49	1n 1	16s 9	0n21	23s31	1s34	22n48	0n12	0n16	2n 2	35s25	12s43	20s 5	20s11	20n20		n.a.
M 2	10 15	19 12	4 58	5 58	1 51	18 34	0 56	4 33	1 1	16 14	0 20	23 31	1 34	22 48	0 12	0 16	2 2	35 25	12 42	20 9	20 12	20 17		n.a.
T 3	10 37	23 0	4 43	5 19	2 5	18 58	0 58	4 16	1 1	16 18	0 20	23 30	1 33	22 47	0 12	0 15	2 2	35 25	12 42	20 11	20 12	20 15		n.a.
W 4	11 0	25 33	4 13	4 45	2 18	19 20	1 0	3 59	1 0	16 22	0 20	23 30	1 33	22 47	0 12	0 14	2 2	35 24	12 42	20 14	20 13	20 13		n.a.
T 5	11 22	26 44	3 31	4 16	2 28	19 42	1 2	3 42	1 0	16 26	0 20	23 29	1 33	22 47	0 12	0 13	2 2	35 24	12 42	20 16	20 14	20 10		n.a.
F 6	11 44	26 33	2 40	3 54	2 36	20 4	1 5	3 25	1 0	16 30	0 20	23 29	1 33	22 47	0 12	0 12	2 2	35 24	12 41	20 17	20 14	20 8		n.a.
S 7	12 6	25 7	1 43	3 38	2 43	20 24	1 7	3 9	1 0	16 34	0 20	23 28	1 33	22 47	0 12	0 11	2 2	35 23	12 41	20 18	20 15	20 6		n.a.
S 8	12 27	22 34	0 42	3 28	2 47	20 45	1 9	2 52	0 59	16 39	0 20	23 27	1 33	22 46	0 12	0 11	2 2	35 23	12 41	20 18	20 16	20 3		n.a.
M 9	12 49	19 4	0s20	3 23	2 49	21 5	1 11	2 35	0 59	16 43	0 20	23 27	1 33	22 46	0 12	0 10	2 2	35 23	12 40	20 18	20 17	20 1		n.a.
T 10	13 10	14 49	1 22	3 24	2 50	21 24	1 13	2 18	0 59	16 47	0 20	23 26	1 33	22 46	0 12	0 9	2 3	35 22	12 40	20 18	20 17	19 58		n.a.
W11	13 31	9 59	2 20	3 30	2 50	21 42	1 15	2 1	0 58	16 51	0 19	23 25	1 33	22 46	0 12	0 8	2 3	35 22	12 40	20 18	20 18	19 56		n.a.
T 12	13 52	4 41	3 14	3 40	2 49	22 0	1 17	1 44	0 58	16 55	0 19	23 25	1 33	22 45	0 12	0 8	2 3	35 22	12 40	20 19	20 19	19 54		n.a.
F 13	14 12	0s53	3 59	3 53	2 46	22 18	1 19	1 27	0 58	16 59	0 19	23 24	1 33	22 45	0 12	0 7	2 3	35 21	12 39	20 21	20 19	19 51		n.a.
S 14	14 32	6 33	4 33	4 11	2 42	22 34	1 20	1 10	0 57	17 3	0 19	23 23	1 32	22 45	0 12	0 6	2 3	35 21	12 39	20 23	20 20	19 49		n.a.
S 15	14 52	12 5	4 55	4 31	2 38	22 50	1 22	0 53	0 57	17 7	0 19	23 23	1 32	22 44	0 12	0 5	2 3	35 21	12 39	20 26	20 21	19 47		n.a.
M16	15 12	17 13	5 0	4 54	2 33	23 6	1 24	0 35	0 56	17 11	0 19	23 22	1 32	22 44	0 12	0 5	2 3	35 20	12 39	20 28	20 22	19 44		n.a.
T 17	15 32	21 34	4 49	5 19	2 28	23 20	1 26	0 18	0 56	17 15	0 19	23 21	1 32	22 44	0 12	0 4	2 3	35 20	12 38	20 31	20 22	19 42		n.a.
W18	15 51	24 47	4 20	5 46	2 22	23 34	1 27	0 1	0 56	17 19	0 19	23 20	1 32	22 44	0 12	0 3	2 3	35 20	12 38	20 34	20 23	19 39		n.a.
T 19	16 10	26 30	3 35	6 14	2 15	23 48	1 29	0s16	0 55	17 23	0 18	23 20	1 32	22 43	0 12	0 2	2 3	35 19	12 38	20 36	20 24	19 37		n.a.
F 20	16 28	26 30	2 37	6 45	2 9	24 0	1 30	0 33	0 55	17 27	0 18	23 19	1 32	22 43	0 12	0 2	2 3	35 19	12 38	20 37	20 24	19 34		n.a.
S 21	16 47	24 44	1 28	7 16	2 2	24 12	1 32	0 50	0 55	17 31	0 18	23 18	1 32	22 43	0 12	0 1	2 3	35 18	12 38	20 38	20 25	19 32		n.a.
S 22	17 5	21 24	0 14	7 48	1 55	24 23	1 33	1 7	0 54	17 35	0 18	23 17	1 32	22 42	0 12	0 0	2 3	35 18	12 37	20 38	20 26	19 30		n.a.
M23	17 23	16 49	1n 1	8 21	1 47	24 33	1 34	1 24	0 54	17 39	0 18	23 16	1 32	22 42	0 12	0s 0	2 3	35 18	12 37	20 38	20 26	19 27		n.a.
T 24	17 40	11 21	2 11	8 55	1 40	24 43	1 36	1 41	0 53	17 43	0 18	23 15	1 32	22 42	0 12	0 1	2 3	35 17	12 37	20 38	20 27	19 25		n.a.
W25	17 57	5 22	3 13	9 30	1 32	24 52	1 37	1 59	0 53	17 47	0 18	23 15	1 32	22 41	0 12	0 2	2 3	35 17	12 37	20 38	20 28	19 22		n.a.
T 26	18 14	0n50	4 4	10 4	1 24	25 0	1 38	2 16	0 52	17 51	0 18	23 14	1 32	22 41	0 12	0 2	2 3	35 17	12 36	20 39	20 28	19 20		n.a.
F 27	18 30	6 56	4 39	10 40	1 17	25 7	1 39	2 33	0 52	17 55	0 18	23 13	1 31	22 41	0 12	0 3	2 3	35 16	12 36	20 41	20 29	19 17		n.a.
S 28	18 46	12 38	4 59	11 15	1 9	25 14	1 40	2 50	0 52	17 59	0 17	23 12	1 31	22 40	0 12	0 4	2 3	35 16	12 36	20 43	20 30	19 15		n.a.
S 29	19 2	17 39	5 2	11 50	1 1	25 20	1 41	3 7	0 51	18 3	0 17	23 11	1 31	22 40	0 12	0 4	2 3	35 16	12 36	20 45	20 31	19 12		n.a.
M30	19s17	21n45	4n48	12s26	0n53	25s25	1s42	3s24	0n51	18s 7	0n17	23s10	1s31	22n40	0n12	0s 5	2n 3	35s15	12s36	20s47	20s31	19n10		n.a.

Julian Day Number = 1115777.5, Delta T = 10h47m29s
Ecliptic obliquity = 23°53'22, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'49, Lahiri = -26°49'49 Julian Calendar 1 Nov. 1659 BCE == Greg. Calendar 18 Oct. 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1659 BCE
geocentric

DECEMBER 1659 BCE (-1658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 40 38	25♏41'16	29♉44	5♏53	24♐37	11♎ 3	21♏24	24♑20	10°R35	4♎53	17♑ 4	28°R36	29♑59	4♌26	n.a.	T 1
W 2	3 44 35	26°42'30	12♊26	7°17	25°51	11°45	21°38	24°25	10♊32	4°54	17° 5	28♑26	29°56	4°32	n.a.	W 2
T 3	3 48 31	27°43'43	24°52	8°41	27° 6	12°27	21°52	24°31	10°30	4°56	17° 6	28°18	29°53	4°39	n.a.	T 3
F 4	3 52 28	28°44'56	7♋ 3	10° 6	28°20	13° 9	22° 6	24°36	10°27	4°57	17° 7	28°13	29°50	4°46	n.a.	F 4
S 5	3 56 25	29°46'08	19° 3	11°33	29°34	13°51	22°20	24°41	10°24	4°59	17° 8	28°10	29°47	4°52	n.a.	S 5
S 6	4 0 21	0♐47'19	0♌54	12°59	0♑48	14°33	22°34	24°47	10°22	5° 0	17°10	28°D10	29°44	4°59	n.a.	S 6
M 7	4 4 18	1°48'30	12°41	14°27	2° 2	15°14	22°48	24°52	10°19	5° 2	17°11	28°11	29°41	5° 6	n.a.	M 7
T 8	4 8 14	2°49'41	24°30	15°55	3°15	15°56	23° 2	24°58	10°17	5° 3	17°12	28°12	29°37	5°12	n.a.	T 8
W 9	4 12 11	3°50'50	6♍25	17°24	4°29	16°38	23°15	25° 3	10°14	5° 5	17°13	28°R12	29°34	5°19	n.a.	W 9
T 10	4 16 7	4°51'59	18°31	18°54	5°43	17°20	23°29	25° 9	10°12	5° 6	17°15	28°11	29°31	5°26	n.a.	T 10
F 11	4 20 4	5°53'08	0♎55	20°24	6°57	18° 2	23°43	25°15	10° 9	5° 7	17°16	28° 8	29°28	5°32	n.a.	F 11
S 12	4 24 1	6°54'15	13°40	21°55	8°11	18°44	23°57	25°21	10° 6	5° 9	17°17	28° 2	29°25	5°39	n.a.	S 12
S 13	4 27 57	7°55'22	26°49	23°26	9°25	19°26	24°11	25°26	10° 4	5°10	17°18	27°55	29°22	5°46	n.a.	S 13
M14	4 31 54	8°56'28	10♏24	24°58	10°38	20° 9	24°24	25°32	10° 1	5°11	17°20	27°47	29°18	5°52	n.a.	M14
T 15	4 35 50	9°57'33	24°22	26°31	11°52	20°51	24°38	25°38	9°58	5°12	17°21	27°38	29°15	5°59	n.a.	T 15
W16	4 39 47	10°58'38	8♐41	28° 4	13° 5	21°33	24°52	25°44	9°56	5°14	17°22	27°30	29°12	6° 6	n.a.	W16
T 17	4 43 43	11°59'41	23°14	29°38	14°19	22°15	25° 6	25°51	9°53	5°15	17°24	27°24	29° 9	6°12	n.a.	T 17
F 18	4 47 40	13° 0'43	7♑55	1♐13	15°33	22°57	25°19	25°57	9°51	5°16	17°25	27°21	29° 6	6°19	n.a.	F 18
S 19	4 51 37	14° 1'43	22°36	2°48	16°46	23°39	25°33	26° 3	9°48	5°17	17°27	27°D19	29° 2	6°26	n.a.	S 19
S 20	4 55 33	15° 2'42	7♒12	4°24	17°59	24°21	25°47	26° 9	9°45	5°18	17°28	27°19	28°59	6°32	n.a.	S 20
M21	4 59 30	16° 3'39	21°37	6° 1	19°13	25° 4	26° 0	26°16	9°43	5°19	17°30	27°21	28°56	6°39	n.a.	M21
T 22	5 3 26	17° 4'35	5♓49	7°38	20°26	25°46	26°14	26°22	9°40	5°20	17°31	27°22	28°53	6°45	n.a.	T 22
W23	5 7 23	18° 5'29	19°47	9°17	21°39	26°28	26°27	26°29	9°37	5°21	17°32	27°R22	28°50	6°52	n.a.	W23
T 24	5 11 19	19° 6'21	3♈30	10°55	22°52	27°11	26°41	26°35	9°35	5°22	17°34	27°21	28°47	6°59	n.a.	T 24
F 25	5 15 16	20° 7'11	16°58	12°35	24° 6	27°53	26°54	26°42	9°32	5°23	17°35	27°19	28°43	7° 5	n.a.	F 25
S 26	5 19 12	21° 8'00	0♉12	14°15	25°19	28°35	27° 8	26°48	9°30	5°24	17°37	27°14	28°40	7°12	n.a.	S 26
S 27	5 23 9	22° 8'47	13°14	15°56	26°32	29°18	27°21	26°55	9°27	5°25	17°38	27° 8	28°37	7°19	n.a.	S 27
M28	5 27 6	23° 9'32	26° 2	17°38	27°45	29°59	27°34	27° 2	9°25	5°25	17°40	27° 2	28°34	7°25	n.a.	M28
T 29	5 31 2	24°10'16	8♊38	19°21	28°57	0♏42	27°48	27° 8	9°22	5°26	17°41	26°56	28°31	7°32	n.a.	T 29
W30	5 34 59	25°10'58	21° 2	21° 4	0♒10	1°25	28° 1	27°15	9°20	5°27	17°43	26°51	28°28	7°39	n.a.	W30
T 31	5 38 55	26♐11'38	3♋14	22♐49	1♒23	2♏ 7	28♏14	27♑22	9♊17	5♎28	17♑45	26♑47	28♑24	7♌45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	19s32	24n42	4n20	13s 1	0n46	25s29	1s43	3s41	0n50	18s11	0n17	23s 9	1s31	22n39	0n12	0s 5	2n 3	35s15	12s35	20s50	20s32	19n 8			n.a.
W 2	19 47	26 20	3 39	13 36	0 38	25 33	1 43	3 58	0 50	18 14	0 17	23 8	1 31	22 39	0 12	0 6	2 4	35 15	12 35	20 52	20 33	19 5			n.a.
T 3	20 1	26 35	2 48	14 11	0 30	25 35	1 44	4 15	0 49	18 18	0 17	23 7	1 31	22 39	0 12	0 7	2 4	35 14	12 35	20 53	20 33	19 3			n.a.
F 4	20 15	25 32	1 51	14 46	0 23	25 37	1 45	4 32	0 49	18 22	0 17	23 6	1 31	22 38	0 12	0 7	2 4	35 14	12 35	20 54	20 34	19 0			n.a.
S 5	20 29	23 19	0 49	15 20	0 15	25 38	1 45	4 49	0 48	18 26	0 17	23 5	1 31	22 38	0 12	0 8	2 4	35 13	12 35	20 55	20 35	18 58			n.a.
S 6	20 42	20 6	0s15	15 54	0 8	25 39	1 46	5 6	0 48	18 29	0 17	23 4	1 31	22 38	0 12	0 8	2 4	35 13	12 34	20 55	20 35	18 55			n.a.
M 7	20 55	16 5	1 17	16 28	0 0	25 38	1 46	5 23	0 47	18 33	0 17	23 3	1 31	22 37	0 12	0 9	2 4	35 13	12 34	20 55	20 36	18 53			n.a.
T 8	21 7	11 28	2 17	17 1	0s 7	25 37	1 46	5 40	0 47	18 37	0 16	23 2	1 31	22 37	0 12	0 9	2 4	35 12	12 34	20 55	20 37	18 50			n.a.
W 9	21 19	6 23	3 11	17 34	0 14	25 35	1 46	5 57	0 46	18 40	0 16	23 1	1 31	22 36	0 12	0 10	2 4	35 12	12 34	20 55	20 37	18 48			n.a.
T 10	21 30	1 0	3 57	18 6	0 21	25 32	1 47	6 14	0 46	18 44	0 16	22 59	1 31	22 36	0 12	0 10	2 4	35 12	12 34	20 55	20 38	18 45			n.a.
F 11	21 42	4s33	4 34	18 37	0 28	25 29	1 47	6 30	0 45	18 48	0 16	22 58	1 31	22 36	0 12	0 11	2 4	35 11	12 33	20 55	20 39	18 43			n.a.
S 12	21 52	10 3	4 58	19 8	0 34	25 24	1 47	6 47	0 45	18 51	0 16	22 57	1 31	22 35	0 12	0 11	2 4	35 11	12 33	20 57	20 39	18 40			n.a.
S 13	22 2	15 17	5 7	19 38	0 41	25 19	1 46	7 4	0 44	18 55	0 16	22 56	1 31	22 35	0 12	0 12	2 4	35 11	12 33	20 58	20 40	18 38			n.a.
M14	22 12	19 57	5 0	20 8	0 47	25 13	1 46	7 21	0 44	18 58	0 16	22 55	1 31	22 35	0 12	0 12	2 4	35 10	12 33	21 0	20 41	18 35			n.a.
T 15	22 22	23 39	4 35	20 36	0 53	25 6	1 46	7 37	0 43	19 2	0 16	22 54	1 30	22 34	0 13	0 13	2 4	35 10	12 33	21 1	20 41	18 33			n.a.
W16	22 31	25 59	3 52	21 4	0 59	24 59	1 46	7 54	0 43	19 5	0 16	22 52	1 30	22 34	0 13	0 13	2 4	35 10	12 33	21 3	20 42	18 30			n.a.
T 17	22 39	26 36	2 54	21 30	1 5	24 51	1 45	8 10	0 42	19 9	0 16	22 51	1 30	22 33	0 13	0 13	2 4	35 9	12 33	21 4	20 43	18 28			n.a.
F 18	22 47	25 22	1 43	21 56	1 10	24 42	1 45	8 27	0 41	19 12	0 15	22 50	1 30	22 33	0 13	0 14	2 4	35 9	12 32	21 5	20 43	18 25			n.a.
S 19	22 55	22 22	0 26	22 21	1 15	24 32	1 44	8 43	0 41	19 16	0 15	22 49	1 30	22 33	0 13	0 14	2 5	35 9	12 32	21 5	20 44	18 23			n.a.
S 20	23 2	17 57	0n53	22 44	1 20	24 22	1 43	9 0	0 40	19 19	0 15	22 47	1 30	22 32	0 13	0 15	2 5	35 8	12 32	21 5	20 45	18 20			n.a.
M21	23 9	12 33	2 8	23 7	1 25	24 10	1 43	9 16	0 40	19 22	0 15	22 46	1 30	22 32	0 13	0 15	2 5	35 8	12 32	21 5	20 45	18 17			n.a.
T 22	23 15	6 33	3 14	23 28	1 30	23 59	1 42	9 32	0 39	19 26	0 15	22 45	1 30	22 31	0 13	0 15	2 5	35 8	12 32	21 5	20 46	18 15			n.a.
W23	23 21	0 21	4 7	23 48	1 34	23 46	1 41	9 48	0 38	19 29	0 15	22 44	1 30	22 31	0 13	0 16	2 5	35 7	12 32	21 5	20 47	18 12			n.a.
T 24	23 26	5n45	4 45	24 7	1 38	23 33	1 40	10 4	0 38	19 32	0 15	22 42	1 30	22 31	0 13	0 16	2 5	35 7	12 32	21 5	20 47	18 10			n.a.
F 25	23 31	11 29	5 6	24 25	1 42	23 19	1 39	10 20	0 37	19 36	0 15	22 41	1 30	22 30	0 13	0 16	2 5	35 7	12 32	21 5	20 48	18 7			n.a.
S 26	23 35	16 35	5 11	24 41	1 45	23 4	1 37	10 36	0 36	19 39	0 15	22 40	1 30	22 30	0 13	0 17	2 5	35 6	12 31	21 6	20 49	18 5			n.a.
S 27	23 39	20 50	4 59	24 55	1 48	22 49	1 36	10 52	0 36	19 42	0 15	22 38	1 30	22 30	0 13	0 17	2 5	35 6	12 31	21 7	20 49	18 2			n.a.
M28	23 42	24 2	4 33	25 8	1 51	22 33	1 35	11 8	0 35	19 45	0 14	22 37	1 30	22 29	0 13	0 17	2 5	35 6	12 31	21 9	20 50	18 0			n.a.
T 29	23 45	25 59	3 53	25 20	1 53	22 16	1 33	11 24	0 35	19 48	0 14	22 36	1 30	22 29	0 13	0 17	2 5	35 5	12 31	21 10	20 51	17 57			n.a.
W30	23 48	26 37	3 3	25 30	1 55	21 59	1 32	11 39	0 34	19 51	0 14	22 34	1 30	22 28	0 13	0 18	2 5	35 5	12 31	21 11	20 51	17 54			n.a.
T 31	23s50	25n56	2n 5	25s38	1s57	21s41	1s30	11s55	0n33	19s55	0n14	22s33	1s30	22n28	0n13	0s18	2n 5	35s 5	12s31	21s12	20s52	17n52			n.a.

Julian Day Number = 1115807.5, Delta T = 10h47m27s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'45, Lahiri = -26°49'45 Julian Calendar 1 Dec. 1659 BCE == Greg. Calendar 17 Nov. 1659 BCE

The year -1658 astronomical counting style corresponds to year 1659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

JANUARY 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 42 52	27♐12'17	15♋17	24♐34	2♒36	2♏50	28♏27	27♑29	9°R15	5♎28	17♑46	26°R45	28♑21	7♌52	n.a.	F 1
S 2	5 46 48	28°12'54	27°12	26°20	3°48	3°32	28°40	27°36	9♊12	5°29	17°48	26°D45	28°18	7°59	n.a.	S 2
S 3	5 50 45	29°13'30	9♌ 2	28° 6	5° 1	4°15	28°53	27°43	9°10	5°30	17°49	26♑45	28°15	8° 5	n.a.	S 3
M 4	5 54 41	0♑14'04	20°49	29°54	6°13	4°57	29° 6	27°50	9° 7	5°30	17°51	26°47	28°12	8°12	n.a.	M 4
T 5	5 58 38	1°14'37	2♍38	1♑43	7°25	5°40	29°19	27°57	9° 5	5°31	17°52	26°49	28° 8	8°19	n.a.	T 5
W 6	6 2 35	2°15'08	14°32	3°32	8°38	6°22	29°32	28° 4	9° 3	5°31	17°54	26°50	28° 5	8°25	n.a.	W 6
T 7	6 6 31	3°15'37	26°38	5°22	9°50	7° 5	29°45	28°11	9° 0	5°32	17°56	26°51	28° 2	8°32	n.a.	T 7
F 8	6 10 28	4°16'05	8♎59	7°13	11° 2	7°48	29°58	28°18	8°58	5°32	17°57	26°R51	27°59	8°38	n.a.	F 8
S 9	6 14 24	5°16'31	21°40	9° 4	12°14	8°30	0♐10	28°25	8°56	5°33	17°59	26°50	27°56	8°45	n.a.	S 9
S 10	6 18 21	6°16'56	4♏45	10°56	13°26	9°13	0°23	28°33	8°53	5°33	18° 0	26°49	27°53	8°52	n.a.	S 10
M11	6 22 17	7°17'19	18°16	12°49	14°38	9°56	0°36	28°40	8°51	5°33	18° 2	26°46	27°49	8°58	n.a.	M11
T 12	6 26 14	8°17'41	2♐15	14°42	15°49	10°38	0°48	28°47	8°49	5°34	18° 4	26°43	27°46	9° 5	n.a.	T 12
W13	6 30 10	9°18'00	16°39	16°35	17° 1	11°21	1° 1	28°54	8°47	5°34	18° 5	26°41	27°43	9°12	n.a.	W13
T 14	6 34 7	10°18'18	1♑24	18°28	18°13	12° 4	1°13	29° 2	8°45	5°34	18° 7	26°39	27°40	9°18	n.a.	T 14
F 15	6 38 4	11°18'35	16°22	20°22	19°24	12°46	1°25	29° 9	8°43	5°34	18° 9	26°38	27°37	9°25	n.a.	F 15
S 16	6 42 0	12°18'49	1♒26	22°15	20°36	13°29	1°37	29°16	8°41	5°35	18°10	26°D38	27°34	9°32	n.a.	S 16
S 17	6 45 57	13°19'01	16°26	24° 7	21°47	14°12	1°50	29°24	8°39	5°35	18°12	26°38	27°30	9°38	n.a.	S 17
M18	6 49 53	14°19'10	1♓15	25°59	22°58	14°55	2° 2	29°31	8°37	5°35	18°13	26°39	27°27	9°45	n.a.	M18
T 19	6 53 50	15°19'18	15°46	27°49	24° 9	15°38	2°14	29°39	8°35	5°35	18°15	26°40	27°24	9°52	n.a.	T 19
W20	6 57 46	16°19'23	29°57	29°38	25°20	16°20	2°26	29°46	8°33	5°35	18°17	26°41	27°21	9°58	n.a.	W20
T 21	7 1 43	17°19'25	13♈45	1♒25	26°31	17° 3	2°38	29°54	8°31	5°R35	18°18	26°R42	27°18	10° 5	n.a.	T 21
F 22	7 5 39	18°19'26	27°10	3°10	27°42	17°46	2°49	0♒ 1	8°29	5°35	18°20	26°41	27°14	10°12	n.a.	F 22
S 23	7 9 36	19°19'24	10♉16	4°51	28°52	18°29	3° 1	0° 9	8°27	5°35	18°22	26°41	27°11	10°18	n.a.	S 23
S 24	7 13 33	20°19'19	23° 3	6°29	0♓ 3	19°12	3°13	0°16	8°25	5°35	18°23	26°40	27° 8	10°25	n.a.	S 24
M25	7 17 29	21°19'13	5♊35	8° 3	1°13	19°55	3°24	0°24	8°24	5°35	18°25	26°40	27° 5	10°32	n.a.	M25
T 26	7 21 26	22°19'04	17°54	9°33	2°23	20°37	3°36	0°31	8°22	5°35	18°27	26°39	27° 2	10°38	n.a.	T 26
W27	7 25 22	23°18'52	0♋ 2	10°57	3°34	21°20	3°47	0°39	8°20	5°34	18°28	26°38	26°59	10°45	n.a.	W27
T 28	7 29 19	24°18'39	12° 2	12°16	4°44	22° 3	3°59	0°46	8°19	5°34	18°30	26°38	26°55	10°51	n.a.	T 28
F 29	7 33 15	25°18'23	23°56	13°29	5°53	22°46	4°10	0°54	8°17	5°34	18°32	26°D38	26°52	10°58	n.a.	F 29
S 30	7 37 12	26°18'05	5♌47	14°35	7° 3	23°29	4°21	1° 1	8°16	5°34	18°33	26°R38	26°49	11° 5	n.a.	S 30
S 31	7 41 8	27♑17'45	17♌35	15♒34	8♓13	24♏12	4♐32	1♒ 9	8♊14	5♎33	18♑35	26♑38	26♑46	11♌11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s51	24n 2	1n 2	25s44	1s58	21s23	1s29	12s10	0n32	19s58	0n14	22s31	1s30	22n28	0n13	0s18	2n 5	35s 4	12s31	21s12	20s53	17n49		n.a.
S 2	23 53	21 4	0s 3	25 49	1 59	21 4	1 27	12 26	0 32	20 1	0 14	22 30	1 30	22 27	0 13	0 18	2 5	35 4	12 31	21 12	20 53	17 47		n.a.
S 3	23 53	17 16	1 7	25 52	1 59	20 45	1 25	12 41	0 31	20 4	0 14	22 29	1 30	22 27	0 13	0 18	2 6	35 4	12 31	21 12	20 54	17 44		n.a.
M 4	23 53	12 48	2 9	25 52	1 59	20 24	1 23	12 56	0 30	20 7	0 14	22 27	1 30	22 27	0 13	0 19	2 6	35 4	12 31	21 12	20 55	17 42		n.a.
T 5	23 53	7 52	3 5	25 51	1 58	20 4	1 21	13 12	0 30	20 10	0 14	22 26	1 30	22 26	0 13	0 19	2 6	35 3	12 31	21 11	20 55	17 39		n.a.
W 6	23 52	2 37	3 54	25 48	1 57	19 43	1 19	13 27	0 29	20 12	0 14	22 24	1 30	22 26	0 13	0 19	2 6	35 3	12 31	21 11	20 56	17 36		n.a.
T 7	23 51	2s48	4 33	25 42	1 56	19 21	1 17	13 41	0 28	20 15	0 14	22 23	1 30	22 25	0 13	0 19	2 6	35 3	12 31	21 11	20 57	17 34		n.a.
F 8	23 49	8 12	5 0	25 35	1 54	18 59	1 14	13 56	0 27	20 18	0 13	22 21	1 30	22 25	0 13	0 19	2 6	35 2	12 31	21 11	20 57	17 31		n.a.
S 9	23 47	13 26	5 14	25 25	1 51	18 36	1 12	14 11	0 27	20 21	0 13	22 20	1 30	22 25	0 13	0 19	2 6	35 2	12 31	21 11	20 58	17 29		n.a.
S 10	23 44	18 14	5 13	25 13	1 47	18 13	1 10	14 26	0 26	20 24	0 13	22 18	1 30	22 24	0 13	0 19	2 6	35 2	12 31	21 11	20 59	17 26		n.a.
M11	23 41	22 17	4 54	24 58	1 43	17 49	1 7	14 40	0 25	20 27	0 13	22 17	1 30	22 24	0 13	0 19	2 6	35 2	12 31	21 12	20 59	17 23		n.a.
T 12	23 37	25 12	4 17	24 42	1 39	17 25	1 5	14 55	0 24	20 29	0 13	22 15	1 30	22 24	0 13	0 20	2 6	35 1	12 31	21 12	21 0	17 21		n.a.
W13	23 33	26 35	3 24	24 23	1 34	17 0	1 2	15 9	0 23	20 32	0 13	22 14	1 30	22 23	0 13	0 20	2 6	35 1	12 30	21 13	21 0	17 18		n.a.
T 14	23 29	26 8	2 15	24 2	1 28	16 35	0 59	15 23	0 23	20 35	0 13	22 12	1 30	22 23	0 13	0 20	2 6	35 1	12 30	21 13	21 1	17 16		n.a.
F 15	23 24	23 48	0 57	23 39	1 21	16 10	0 56	15 37	0 22	20 37	0 13	22 11	1 30	22 23	0 13	0 20	2 6	35 1	12 30	21 13	21 2	17 13		n.a.
S 16	23 18	19 47	0n27	23 14	1 14	15 44	0 53	15 51	0 21	20 40	0 13	22 9	1 30	22 22	0 13	0 20	2 6	35 0	12 30	21 13	21 2	17 10		n.a.
S 17	23 12	14 30	1 48	22 46	1 6	15 18	0 50	16 5	0 20	20 43	0 13	22 8	1 30	22 22	0 13	0 20	2 7	35 0	12 30	21 13	21 3	17 8		n.a.
M18	23 6	8 26	3 0	22 17	0 57	14 52	0 47	16 18	0 19	20 45	0 12	22 6	1 30	22 22	0 13	0 20	2 7	35 0	12 31	21 13	21 4	17 5		n.a.
T 19	22 59	2 2	4 0	21 46	0 47	14 25	0 44	16 32	0 18	20 48	0 12	22 5	1 30	22 21	0 13	0 20	2 7	35 0	12 31	21 13	21 4	17 2		n.a.
W20	22 52	4n18	4 44	21 13	0 37	13 58	0 41	16 45	0 18	20 50	0 12	22 3	1 30	22 21	0 13	0 20	2 7	34 59	12 31	21 13	21 5	17 0		n.a.
T 21	22 45	10 15	5 9	20 39	0 26	13 30	0 38	16 59	0 17	20 53	0 12	22 1	1 30	22 21	0 13	0 19	2 7	34 59	12 31	21 13	21 6	16 57		n.a.
F 22	22 36	15 34	5 17	20 3	0 15	13 2	0 35	17 12	0 16	20 55	0 12	22 0	1 30	22 21	0 13	0 19	2 7	34 59	12 31	21 13	21 6	16 54		n.a.
S 23	22 28	20 2	5 9	19 27	0 3	12 34	0 31	17 25	0 15	20 58	0 12	21 58	1 30	22 20	0 13	0 19	2 7	34 59	12 31	21 13	21 7	16 52		n.a.
S 24	22 19	23 28	4 45	18 50	0n10	12 6	0 28	17 38	0 14	21 0	0 12	21 57	1 30	22 20	0 13	0 19	2 7	34 59	12 31	21 13	21 7	16 49		n.a.
M25	22 10	25 41	4 7	18 13	0 23	11 37	0 24	17 50	0 13	21 2	0 12	21 55	1 30	22 20	0 13	0 19	2 7	34 58	12 31	21 13	21 8	16 47		n.a.
T 26	22 0	26 38	3 19	17 36	0 37	11 8	0 21	18 3	0 12	21 5	0 12	21 53	1 30	22 19	0 13	0 19	2 7	34 58	12 31	21 13	21 9	16 44		n.a.
W27	21 50	26 16	2 23	16 59	0 51	10 39	0 17	18 15	0 11	21 7	0 12	21 52	1 30	22 19	0 13	0 19	2 7	34 58	12 31	21 13	21 9	16 41		n.a.
T 28	21 39	24 40	1 20	16 24	1 6	10 10	0 13	18 27	0 10	21 9	0 12	21 50	1 31	22 19	0 13	0 19	2 7	34 58	12 31	21 13	21 10	16 39		n.a.
F 29	21 29	21 58	0 15	15 49	1 20	9 40	0 10	18 40	0 9	21 11	0 11	21 48	1 31	22 19	0 13	0 18	2 7	34 58	12 31	21 13	21 11	16 36		n.a.
S 30	21 17	18 22	0s51	15 16	1 35	9 11	0 6	18 51	0 8	21 14	0 11	21 47	1 31	22 18	0 13	0 18	2 7	34 57	12 31	21 13	21 11	16 33		n.a.
S 31	21s 6	14n 3	1s54	14s44	1n49	8s41	0s 2	19s 3	0n 7	21s16	0n11	21s45	1s31	22n18	0n13	0s18	2n 8	34s57	12s31	21s13	21s12	16n31		n.a.

Julian Day Number = 1115838.5, Delta T = 10h47m25s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'41, Lahiri = -26°49'41 Julian Calendar 1 Jan. 1658 BCE == Greg. Calendar 18 Dec. 1659 BCE

The year -1657 astronomical counting style corresponds to year 1658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

FEBRUARY 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 45 5	28♉17'23	29♌23	16♒25	9♓22	24♏55	4♐43	1♒17	8°R13	5°R33	18♉37	26°R38	26♉43	11♌18	n.a.	M 1
T 2	7 49 2	29°16'58	11♍15	17° 9	10°31	25°38	4°54	1°24	8♊11	5♎33	18°38	26♉38	26°40	11°25	n.a.	T 2
W 3	7 52 58	0♒16'32	23°13	17°46	11°40	26°21	5° 5	1°32	8°10	5°32	18°40	26°37	26°36	11°31	n.a.	W 3
T 4	7 56 55	1°16'04	5♎20	18°13	12°49	27° 4	5°15	1°39	8° 9	5°32	18°41	26°37	26°33	11°38	n.a.	T 4
F 5	8 0 51	2°15'33	17°41	18°33	13°58	27°47	5°26	1°47	8° 7	5°31	18°43	26°36	26°30	11°45	n.a.	F 5
S 6	8 4 48	3°15'01	0♏19	18°44	15° 7	28°30	5°36	1°54	8° 6	5°31	18°45	26°D36	26°27	11°51	n.a.	S 6
S 7	8 8 44	4°14'27	13°17	18°R48	16°15	29°13	5°47	2° 2	8° 5	5°30	18°46	26°36	26°24	11°58	n.a.	S 7
M 8	8 12 41	5°13'51	26°40	18°43	17°24	29°56	5°57	2°10	8° 4	5°30	18°48	26°37	26°20	12° 5	n.a.	M 8
T 9	8 16 37	6°13'13	10♐30	18°30	18°32	0♐39	6° 7	2°17	8° 3	5°29	18°49	26°37	26°17	12°11	n.a.	T 9
W10	8 20 34	7°12'33	24°45	18°11	19°40	1°22	6°17	2°25	8° 2	5°28	18°51	26°38	26°14	12°18	n.a.	W10
T 11	8 24 30	8°11'52	9♑25	17°44	20°47	2° 5	6°27	2°32	8° 1	5°28	18°53	26°39	26°11	12°25	n.a.	T 11
F 12	8 28 27	9°11'08	24°24	17°12	21°55	2°48	6°37	2°40	8° 0	5°27	18°54	26°R39	26° 8	12°31	n.a.	F 12
S 13	8 32 24	10°10'22	9♒35	16°34	23° 3	3°31	6°47	2°48	7°59	5°26	18°56	26°39	26° 5	12°38	n.a.	S 13
S 14	8 36 20	11° 9'33	24°48	15°51	24°10	4°14	6°56	2°55	7°59	5°26	18°57	26°38	26° 1	12°45	n.a.	S 14
M15	8 40 17	12° 8'43	9♓53	15° 6	25°17	4°58	7° 6	3° 3	7°58	5°25	18°59	26°37	25°58	12°51	n.a.	M15
T 16	8 44 13	13° 7'50	24°43	14°17	26°24	5°41	7°15	3°10	7°57	5°24	19° 0	26°35	25°55	12°58	n.a.	T 16
W17	8 48 10	14° 6'54	9♈ 9	13°27	27°30	6°24	7°24	3°18	7°56	5°23	19° 2	26°32	25°52	13° 5	n.a.	W17
T 18	8 52 6	15° 5'56	23° 9	12°37	28°37	7° 7	7°33	3°25	7°56	5°22	19° 3	26°31	25°49	13°11	n.a.	T 18
F 19	8 56 3	16° 4'56	6♉42	11°47	29°43	7°50	7°42	3°33	7°55	5°21	19° 5	26°29	25°46	13°18	n.a.	F 19
S 20	8 59 59	17° 3'53	19°48	10°58	0♈49	8°33	7°51	3°40	7°55	5°20	19° 6	26°D29	25°42	13°24	n.a.	S 20
S 21	9 3 56	18° 2'48	2♊32	10°12	1°55	9°16	8° 0	3°48	7°54	5°19	19° 8	26°30	25°39	13°31	n.a.	S 21
M22	9 7 52	19° 1'40	14°57	9°28	3° 0	9°59	8° 9	3°55	7°54	5°19	19° 9	26°31	25°36	13°38	n.a.	M22
T 23	9 11 49	20° 0'30	27° 7	8°49	4° 5	10°42	8°17	4° 2	7°54	5°18	19°11	26°33	25°33	13°44	n.a.	T 23
W24	9 15 46	20°59'17	9♋ 6	8°13	5°10	11°25	8°25	4°10	7°54	5°17	19°12	26°34	25°30	13°51	n.a.	W24
T 25	9 19 42	21°58'03	20°58	7°43	6°15	12° 8	8°34	4°17	7°53	5°15	19°14	26°R35	25°26	13°58	n.a.	T 25
F 26	9 23 39	22°56'46	2♌46	7°17	7°20	12°51	8°42	4°25	7°53	5°14	19°15	26°35	25°23	14° 4	n.a.	F 26
S 27	9 27 35	23°55'26	14°34	6°57	8°24	13°34	8°50	4°32	7°53	5°13	19°16	26°34	25°20	14°11	n.a.	S 27
S 28	9 31 32	24♒54'05	26♌23	6♒42	9♈28	14♐17	8♐58	4♒39	7°D53	5♎12	19♉18	26♉31	25♉17	14♌18	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20s53	9n13	2s52	14s15	2n 3	8s11	0n 2	19s15	0n 7	21s18	0n11	21s43	1s31	22n18	0n13	0s18	2n 8	34s57	12s31	21s13	21s12	16n28		n.a.
T 2	20 41	4 3	3 43	13 48	2 17	7 40	0 6	19 26	0 6	21 20	0 11	21 42	1 31	22 18	0 13	0 18	2 8	34 57	12 31	21 13	21 13	16 25		n.a.
W 3	20 28	1s18	4 25	13 24	2 31	7 10	0 10	19 38	0 5	21 22	0 11	21 40	1 31	22 17	0 13	0 17	2 8	34 57	12 31	21 14	21 14	16 23		n.a.
T 4	20 15	6 40	4 56	13 4	2 44	6 39	0 14	19 49	0 4	21 24	0 11	21 38	1 31	22 17	0 13	0 17	2 8	34 57	12 31	21 14	21 14	16 20		n.a.
F 5	20 2	11 53	5 14	12 46	2 56	6 9	0 18	20 0	0 3	21 26	0 11	21 37	1 31	22 17	0 13	0 17	2 8	34 56	12 32	21 14	21 15	16 17		n.a.
S 6	19 48	16 43	5 17	12 32	3 7	5 38	0 22	20 11	0 1	21 28	0 11	21 35	1 31	22 17	0 13	0 17	2 8	34 56	12 32	21 14	21 16	16 14		n.a.
S 7	19 34	20 57	5 4	12 21	3 17	5 7	0 26	20 21	0 0	21 30	0 11	21 33	1 31	22 17	0 13	0 16	2 8	34 56	12 32	21 14	21 16	16 12		n.a.
M 8	19 19	24 14	4 35	12 14	3 26	4 36	0 30	20 32	0s 1	21 32	0 11	21 32	1 31	22 17	0 13	0 16	2 8	34 56	12 32	21 14	21 17	16 9		n.a.
T 9	19 4	26 13	3 49	12 10	3 34	4 5	0 35	20 42	0 2	21 34	0 10	21 30	1 31	22 16	0 13	0 16	2 8	34 56	12 32	21 13	21 17	16 6		n.a.
W10	18 49	26 35	2 48	12 11	3 40	3 34	0 39	20 52	0 3	21 36	0 10	21 28	1 31	22 16	0 13	0 16	2 8	34 56	12 32	21 13	21 18	16 4		n.a.
T 11	18 33	25 7	1 34	12 14	3 45	3 3	0 43	21 2	0 4	21 37	0 10	21 27	1 31	22 16	0 13	0 15	2 8	34 56	12 32	21 13	21 19	16 1		n.a.
F 12	18 18	21 51	0 13	12 22	3 48	2 32	0 48	21 12	0 5	21 39	0 10	21 25	1 31	22 16	0 13	0 15	2 8	34 56	12 32	21 13	21 19	15 58		n.a.
S 13	18 1	17 3	1n11	12 32	3 49	2 1	0 52	21 21	0 6	21 41	0 10	21 23	1 32	22 16	0 13	0 15	2 8	34 55	12 33	21 13	21 20	15 56		n.a.
S 14	17 45	11 9	2 30	12 45	3 48	1 30	0 57	21 30	0 7	21 43	0 10	21 21	1 32	22 16	0 13	0 14	2 8	34 55	12 33	21 13	21 20	15 53		n.a.
M15	17 28	4 40	3 37	13 1	3 45	0 59	1 1	21 40	0 8	21 44	0 10	21 20	1 32	22 15	0 13	0 14	2 8	34 55	12 33	21 14	21 21	15 50		n.a.
T 16	17 11	1n58	4 29	13 20	3 41	0 28	1 5	21 48	0 9	21 46	0 10	21 18	1 32	22 15	0 13	0 13	2 9	34 55	12 33	21 14	21 22	15 47		n.a.
W17	16 54	8 18	5 2	13 40	3 35	0n 3	1 10	21 57	0 10	21 48	0 10	21 16	1 32	22 15	0 13	0 13	2 9	34 55	12 33	21 14	21 22	15 45		n.a.
T 18	16 37	14 2	5 16	14 2	3 27	0 34	1 14	22 6	0 12	21 49	0 10	21 15	1 32	22 15	0 13	0 13	2 9	34 55	12 33	21 15	21 23	15 42		n.a.
F 19	16 19	18 53	5 11	14 25	3 18	1 5	1 19	22 14	0 13	21 51	0 9	21 13	1 32	22 15	0 13	0 12	2 9	34 55	12 34	21 15	21 23	15 39		n.a.
S 20	16 1	22 40	4 50	14 48	3 7	1 36	1 24	22 22	0 14	21 53	0 9	21 11	1 32	22 15	0 13	0 12	2 9	34 55	12 34	21 15	21 24	15 37		n.a.
S 21	15 42	25 14	4 16	15 12	2 55	2 7	1 28	22 30	0 15	21 54	0 9	21 10	1 32	22 15	0 13	0 11	2 9	34 55	12 34	21 15	21 25	15 34		n.a.
M22	15 24	26 30	3 30	15 36	2 42	2 38	1 33	22 38	0 16	21 56	0 9	21 8	1 32	22 15	0 13	0 11	2 9	34 55	12 34	21 15	21 25	15 31		n.a.
T 23	15 5	26 27	2 36	16 0	2 29	3 8	1 37	22 46	0 18	21 57	0 9	21 6	1 32	22 15	0 13	0 10	2 9	34 55	12 34	21 14	21 26	15 28		n.a.
W24	14 46	25 9	1 35	16 23	2 14	3 39	1 42	22 53	0 19	21 59	0 9	21 4	1 33	22 15	0 13	0 10	2 9	34 55	12 34	21 14	21 26	15 26		n.a.
T 25	14 27	22 44	0 31	16 46	2 0	4 9	1 46	23 0	0 20	22 0	0 9	21 3	1 33	22 15	0 13	0 10	2 9	34 55	12 35	21 14	21 27	15 23		n.a.
F 26	14 7	19 22	0s34	17 7	1 44	4 39	1 51	23 7	0 21	22 1	0 9	21 1	1 33	22 15	0 13	0 9	2 9	34 55	12 35	21 14	21 28	15 20		n.a.
S 27	13 48	15 13	1 37	17 27	1 29	5 9	1 55	23 14	0 22	22 3	0 9	20 59	1 33	22 15	0 13	0 9	2 9	34 55	12 35	21 14	21 28	15 17		n.a.
S 28	13s28	10n31	2s36	17s46	1n14	5n39	2n 0	23s20	0s24	22s 4	0n 8	20s58	1s33	22n15	0n13	0s 8	2n 9	34s55	12s35	21s15	21s29	15n15		n.a.

Julian Day Number = 1115869.5, Delta T = 10h47m23s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'37, Lahiri = -26°49'36 Julian Calendar 1 Feb. 1658 BCE == Greg. Calendar 18 Jan. 1658 BCE

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

MARCH 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 35 28	25♒52'41	8♍16	6°R32	10♈32	15♐ 0	9♐ 5	4♒46	7♊53	5°R11	19♑19	26°R27	25♑14	14♌24	n.a.	M 1
T 2	9 39 25	26°51'15	20°14	6°D27	11°35	15°43	9°13	4°54	7°53	5♎10	19°21	26♑22	25°11	14°31	n.a.	T 2
W 3	9 43 21	27°49'47	2♎20	6♒28	12°38	16°26	9°20	5° 1	7°53	5° 9	19°22	26°17	25° 7	14°38	n.a.	W 3
T 4	9 47 18	28°48'17	14°35	6°34	13°41	17° 9	9°27	5° 8	7°53	5° 7	19°23	26°11	25° 4	14°44	n.a.	T 4
F 5	9 51 14	29°46'46	27° 2	6°45	14°43	17°52	9°35	5°15	7°54	5° 6	19°25	26° 7	25° 1	14°51	n.a.	F 5
S 6	9 55 11	0♓45'12	9♏43	7° 1	15°45	18°35	9°42	5°22	7°54	5° 5	19°26	26° 3	24°58	14°58	n.a.	S 6
S 7	9 59 8	1°43'37	22°41	7°22	16°47	19°18	9°48	5°29	7°54	5° 4	19°27	26° 1	24°55	15° 4	n.a.	S 7
M 8	10 3 4	2°42'00	5♐58	7°48	17°48	20° 1	9°55	5°37	7°55	5° 2	19°28	26°D 1	24°52	15°11	n.a.	M 8
T 9	10 7 1	3°40'22	19°37	8°17	18°50	20°44	10° 2	5°44	7°55	5° 1	19°30	26° 2	24°48	15°18	n.a.	T 9
W10	10 10 57	4°38'42	3♑39	8°51	19°50	21°27	10° 8	5°51	7°55	5° 0	19°31	26° 3	24°45	15°24	n.a.	W10
T 11	10 14 54	5°37'00	18° 5	9°29	20°51	22°10	10°14	5°58	7°56	4°58	19°32	26° 4	24°42	15°31	n.a.	T 11
F 12	10 18 50	6°35'16	2♒50	10°10	21°51	22°53	10°20	6° 5	7°57	4°57	19°33	26°R 4	24°39	15°38	n.a.	F 12
S 13	10 22 47	7°33'31	17°51	10°56	22°50	23°35	10°26	6°11	7°57	4°56	19°35	26° 3	24°36	15°44	n.a.	S 13
S 14	10 26 43	8°31'43	2♓59	11°44	23°49	24°18	10°32	6°18	7°58	4°54	19°36	25°59	24°32	15°51	n.a.	S 14
M15	10 30 40	9°29'54	18° 6	12°36	24°48	25° 1	10°38	6°25	7°59	4°53	19°37	25°54	24°29	15°58	n.a.	M15
T 16	10 34 37	10°28'03	3♈ 1	13°32	25°47	25°44	10°43	6°32	8° 0	4°52	19°38	25°47	24°26	16° 4	n.a.	T 16
W17	10 38 33	11°26'10	17°36	14°30	26°44	26°27	10°48	6°39	8° 0	4°50	19°39	25°40	24°23	16°11	n.a.	W17
T 18	10 42 30	12°24'15	1♉45	15°31	27°42	27° 9	10°53	6°45	8° 1	4°49	19°40	25°34	24°20	16°17	n.a.	T 18
F 19	10 46 26	13°22'17	15°25	16°35	28°39	27°52	10°58	6°52	8° 2	4°47	19°41	25°29	24°17	16°24	n.a.	F 19
S 20	10 50 23	14°20'18	28°37	17°41	29°35	28°35	11° 3	6°58	8° 3	4°46	19°42	25°26	24°13	16°31	n.a.	S 20
S 21	10 54 19	15°18'17	11♊23	18°51	0♉31	29°17	11° 8	7° 5	8° 4	4°44	19°44	25°D24	24°10	16°37	n.a.	S 21
M22	10 58 16	16°16'14	23°48	20° 2	1°27	29°59	11°12	7°12	8° 5	4°43	19°45	25°24	24° 7	16°44	n.a.	M22
T 23	11 2 12	17°14'08	5♋56	21°17	2°22	0♑42	11°16	7°18	8° 7	4°41	19°46	25°26	24° 4	16°51	n.a.	T 23
W24	11 6 9	18°12'01	17°52	22°33	3°16	1°25	11°21	7°24	8° 8	4°40	19°47	25°27	24° 1	16°57	n.a.	W24
T 25	11 10 5	19° 9'52	29°41	23°52	4°10	2° 7	11°24	7°31	8° 9	4°38	19°48	25°R27	23°57	17° 4	n.a.	T 25
F 26	11 14 2	20° 7'41	11♌28	25°13	5° 3	2°50	11°28	7°37	8°10	4°37	19°48	25°25	23°54	17°11	n.a.	F 26
S 27	11 17 59	21° 5'28	23°16	26°37	5°55	3°32	11°32	7°43	8°12	4°35	19°49	25°22	23°51	17°17	n.a.	S 27
S 28	11 21 55	22° 3'13	5♍ 9	28° 3	6°47	4°15	11°35	7°49	8°13	4°33	19°50	25°16	23°48	17°24	n.a.	S 28
M29	11 25 52	23° 0'56	17° 9	29°30	7°38	4°57	11°38	7°56	8°15	4°32	19°51	25° 7	23°45	17°31	n.a.	M29
T 30	11 29 48	23°58'38	29°18	1♓ 0	8°29	5°39	11°41	8° 2	8°16	4°30	19°52	24°57	23°42	17°37	n.a.	T 30
W31	11 33 45	24♓56'19	11♎36	2♓33	9♉18	6♑22	11♐44	8♒ 8	8♊18	4♎29	19♑53	24♑46	23♑38	17♌44	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	13s 8	5n24	3s29	18s 3	0n58	6n 9	2n 5	23s26	0s25	22s 5	0n 8	20s56	1s33	22n15	0n13	0s 8	2n 9	34s55	12s36	21s15	21s29	15n12			n.a.
T 2	12 48	0 5	4 13	18 19	0 43	6 38	2 9	23 32	0 26	22 7	0 8	20 54	1 33	22 15	0 13	0 7	2 9	34 55	12 36	21 16	21 30	15 9			n.a.
W 3	12 27	5s18	4 45	18 33	0 29	7 8	2 14	23 38	0 27	22 8	0 8	20 53	1 33	22 15	0 13	0 7	2 9	34 55	12 36	21 18	21 31	15 6			n.a.
T 4	12 6	10 32	5 6	18 45	0 14	7 37	2 18	23 44	0 29	22 9	0 8	20 51	1 33	22 15	0 13	0 6	2 9	34 55	12 36	21 19	21 31	15 4			n.a.
F 5	11 46	15 26	5 12	18 56	0 0	8 5	2 23	23 49	0 30	22 10	0 8	20 49	1 34	22 15	0 13	0 5	2 9	34 55	12 36	21 19	21 32	15 1			n.a.
S 6	11 25	19 46	5 3	19 5	0s13	8 34	2 27	23 55	0 31	22 12	0 8	20 48	1 34	22 15	0 13	0 5	2 9	34 55	12 37	21 20	21 32	14 58			n.a.
S 7	11 4	23 16	4 39	19 12	0 26	9 2	2 32	23 59	0 33	22 13	0 8	20 46	1 34	22 15	0 13	0 4	2 10	34 55	12 37	21 20	21 33	14 55			n.a.
M 8	10 42	25 38	4 0	19 17	0 39	9 30	2 36	24 4	0 34	22 14	0 8	20 44	1 34	22 15	0 13	0 4	2 10	34 55	12 37	21 21	21 33	14 53			n.a.
T 9	10 21	26 33	3 6	19 21	0 50	9 58	2 40	24 9	0 35	22 15	0 8	20 43	1 34	22 15	0 13	0 3	2 10	34 55	12 37	21 20	21 34	14 50			n.a.
W10	9 59	25 49	1 59	19 22	1 2	10 26	2 45	24 13	0 37	22 16	0 7	20 41	1 34	22 15	0 13	0 3	2 10	34 55	12 38	21 20	21 35	14 47			n.a.
T 11	9 37	23 22	0 43	19 22	1 12	10 53	2 49	24 17	0 38	22 17	0 7	20 39	1 34	22 15	0 13	0 2	2 10	34 55	12 38	21 20	21 35	14 44			n.a.
F 12	9 16	19 18	0n37	19 21	1 22	11 20	2 53	24 21	0 39	22 18	0 7	20 38	1 34	22 15	0 13	0 2	2 10	34 55	12 38	21 20	21 36	14 41			n.a.
S 13	8 54	13 56	1 56	19 17	1 32	11 47	2 57	24 25	0 41	22 19	0 7	20 36	1 35	22 15	0 13	0 1	2 10	34 55	12 38	21 20	21 36	14 39			n.a.
S 14	8 31	7 42	3 7	19 12	1 41	12 13	3 2	24 28	0 42	22 20	0 7	20 35	1 35	22 15	0 13	0 0	2 10	34 55	12 39	21 21	21 37	14 36			n.a.
M15	8 9	1 3	4 5	19 5	1 49	12 39	3 6	24 31	0 44	22 21	0 7	20 33	1 35	22 16	0 13	0n 0	2 10	34 55	12 39	21 22	21 38	14 33			n.a.
T 16	7 47	5n34	4 45	18 56	1 56	13 5	3 10	24 34	0 45	22 22	0 7	20 31	1 35	22 16	0 13	0 1	2 10	34 55	12 39	21 23	21 38	14 30			n.a.
W17	7 24	11 43	5 6	18 45	2 3	13 30	3 14	24 37	0 46	22 23	0 7	20 30	1 35	22 16	0 13	0 1	2 10	34 55	12 39	21 24	21 39	14 28			n.a.
T 18	7 2	17 5	5 7	18 32	2 9	13 55	3 18	24 39	0 48	22 23	0 7	20 28	1 35	22 16	0 13	0 2	2 10	34 55	12 40	21 26	21 39	14 25			n.a.
F 19	6 39	21 23	4 50	18 18	2 15	14 19	3 21	24 42	0 49	22 24	0 6	20 27	1 36	22 16	0 13	0 3	2 10	34 56	12 40	21 27	21 40	14 22			n.a.
S 20	6 17	24 26	4 19	18 2	2 20	14 43	3 25	24 44	0 51	22 25	0 6	20 25	1 36	22 16	0 13	0 3	2 10	34 56	12 40	21 27	21 40	14 19			n.a.
S 21	5 54	26 7	3 35	17 44	2 24	15 7	3 29	24 45	0 52	22 26	0 6	20 23	1 36	22 17	0 13	0 4	2 10	34 56	12 41	21 27	21 41	14 16			n.a.
M22	5 31	26 27	2 42	17 25	2 28	15 31	3 33	24 47	0 54	22 27	0 6	20 22	1 36	22 17	0 13	0 5	2 10	34 56	12 41	21 27	21 42	14 14			n.a.
T 23	5 8	25 28	1 43	17 3	2 31	15 53	3 36	24 48	0 55	22 27	0 6	20 20	1 36	22 17	0 13	0 5	2 10	34 56	12 41	21 27	21 42	14 11			n.a.
W24	4 45	23 21	0 41	16 40	2 34	16 16	3 40	24 49	0 57	22 28	0 6	20 19	1 36	22 17	0 13	0 6	2 10	34 56	12 42	21 27	21 43	14 8			n.a.
T 25	4 22	20 14	0s23	16 15	2 36	16 38	3 43	24 50	0 58	22 29	0 6	20 17	1 36	22 17	0 13	0 6	2 10	34 56	12 42	21 27	21 43	14 5			n.a.
F 26	3 59	16 18	1 25	15 49	2 37	16 59	3 46	24 51	1 0	22 29	0 6	20 16	1 37	22 18	0 13	0 7	2 10	34 56	12 42	21 27	21 44	14 2			n.a.
S 27	3 36	11 46	2 24	15 20	2 38	17 20	3 49	24 52	1 1	22 30	0 5	20 14	1 37	22 18	0 13	0 8	2 10	34 57	12 42	21 28	21 44	14 0			n.a.
S 28	3 13	6 46	3 16	14 50	2 38	17 41	3 53	24 52	1 3	22 31	0 5	20 13	1 37	22 18	0 13	0 8	2 10	34 57	12 43	21 29	21 45	13 57			n.a.
M29	2 49	1 29	4 1	14 18	2 37	18 1	3 55	24 52	1 4	22 31	0 5	20 11	1 37	22 18	0 13	0 9	2 10	34 57	12 43	21 31	21 45	13 54			n.a.
T 30	2 26	3s54	4 34	13 45	2 36	18 21	3 58	24 52	1 6	22 32	0 5	20 10	1 37	22 18	0 13	0 10	2 10	34 57	12 43	21 32	21 46	13 51			n.a.
W31	2s 3	9s12	4s56	13s10	2s35	18n40	4n 1	24s51	1s 7	22s32	0n 5	20s 9	1s38	22n19	0n13	0n10	2n10	34s57	12s44	21s34	21s47	13n48			n.a.

Julian Day Number = 1115897.5, Delta T = 10h47m22s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'33, Lahiri = -26°49'33 Julian Calendar 1 March 1658 BCE == Greg. Calendar 15 Feb. 1658 BCE

The year -1657 astronomical counting style corresponds to year 1658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

APRIL 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 37 41	25♓53'57	24♎ 5	4♓ 7	10♉ 7	7♑ 4	11♐47	8♒14	8♊19	4°R27	19♑54	24°R36	23♑35	17♌51	n.a.	T 1
F 2	11 41 38	26°51'35	6♏46	5°43	10°56	7°46	11°49	8°20	8°21	4♎25	19°55	24♑26	23°32	17°57	n.a.	F 2
S 3	11 45 34	27°49'11	19°38	7°21	11°43	8°28	11°52	8°25	8°23	4°24	19°55	24°18	23°29	18° 4	n.a.	S 3
S 4	11 49 31	28°46'47	2♐44	9° 2	12°30	9°10	11°54	8°31	8°25	4°22	19°56	24°13	23°26	18°11	n.a.	S 4
M 5	11 53 28	29°44'21	16° 4	10°44	13°15	9°52	11°56	8°37	8°26	4°21	19°57	24°11	23°23	18°17	n.a.	M 5
T 6	11 57 24	0♈41'54	29°40	12°29	14° 0	10°34	11°58	8°43	8°28	4°19	19°58	24°D10	23°19	18°24	n.a.	T 6
W 7	12 1 21	1°39'26	13♑33	14°16	14°44	11°16	11°59	8°48	8°30	4°17	19°58	24°10	23°16	18°31	n.a.	W 7
T 8	12 5 17	2°36'56	27°44	16° 5	15°27	11°58	12° 1	8°54	8°32	4°16	19°59	24°R10	23°13	18°37	n.a.	T 8
F 9	12 9 14	3°34'26	12♒12	17°56	16° 9	12°40	12° 2	8°59	8°34	4°14	20° 0	24° 9	23°10	18°44	n.a.	F 9
S 10	12 13 10	4°31'55	26°53	19°48	16°50	13°22	12° 3	9° 5	8°36	4°13	20° 0	24° 6	23° 7	18°51	n.a.	S 10
S 11	12 17 7	5°29'23	11♓43	21°43	17°30	14° 3	12° 4	9°10	8°38	4°11	20° 1	24° 0	23° 3	18°57	n.a.	S 11
M12	12 21 3	6°26'49	26°35	23°40	18° 9	14°45	12° 4	9°15	8°40	4° 9	20° 1	23°51	23° 0	19° 4	n.a.	M12
T 13	12 25 0	7°24'14	11♈19	25°39	18°46	15°27	12° 5	9°20	8°42	4° 8	20° 2	23°41	22°57	19°11	n.a.	T 13
W14	12 28 56	8°21'39	25°48	27°40	19°23	16° 8	12° 5	9°26	8°45	4° 6	20° 2	23°30	22°54	19°17	n.a.	W14
T 15	12 32 53	9°19'02	9♉56	29°43	19°58	16°49	12°R 5	9°31	8°47	4° 4	20° 3	23°20	22°51	19°24	n.a.	T 15
F 16	12 36 50	10°16'23	23°37	1♈47	20°32	17°31	12° 5	9°36	8°49	4° 3	20° 3	23°11	22°48	19°31	n.a.	F 16
S 17	12 40 46	11°13'44	6♊51	3°53	21° 4	18°12	12° 4	9°41	8°51	4° 1	20° 4	23° 5	22°44	19°37	n.a.	S 17
S 18	12 44 43	12°11'03	19°40	6° 0	21°36	18°53	12° 4	9°45	8°54	4° 0	20° 4	23° 1	22°41	19°44	n.a.	S 18
M19	12 48 39	13° 8'22	2♋ 7	8° 9	22° 5	19°34	12° 3	9°50	8°56	3°58	20° 5	22°59	22°38	19°51	n.a.	M19
T 20	12 52 36	14° 5'38	14°16	10°19	22°34	20°15	12° 2	9°55	8°59	3°56	20° 5	22°D59	22°35	19°57	n.a.	T 20
W21	12 56 32	15° 2'54	26°12	12°29	23° 0	20°56	12° 1	9°59	9° 1	3°55	20° 5	22°R59	22°32	20° 4	n.a.	W21
T 22	13 0 29	16° 0'08	8♌ 2	14°40	23°25	21°37	12° 0	10° 4	9° 4	3°53	20° 6	22°58	22°28	20°11	n.a.	T 22
F 23	13 4 26	16°57'22	19°50	16°52	23°48	22°18	11°59	10° 8	9° 6	3°52	20° 6	22°56	22°25	20°17	n.a.	F 23
S 24	13 8 22	17°54'34	1♍41	19° 3	24°10	22°58	11°57	10°13	9° 9	3°50	20° 6	22°51	22°22	20°24	n.a.	S 24
S 25	13 12 19	18°51'45	13°39	21°15	24°30	23°39	11°55	10°17	9°11	3°49	20° 7	22°44	22°19	20°31	n.a.	S 25
M26	13 16 15	19°48'55	25°48	23°26	24°48	24°19	11°53	10°21	9°14	3°47	20° 7	22°34	22°16	20°37	n.a.	M26
T 27	13 20 12	20°46'04	8♎ 8	25°36	25° 4	25° 0	11°51	10°25	9°17	3°45	20° 7	22°22	22°13	20°44	n.a.	T 27
W28	13 24 8	21°43'13	20°41	27°45	25°18	25°40	11°49	10°29	9°20	3°44	20° 7	22° 9	22° 9	20°51	n.a.	W28
T 29	13 28 5	22°40'21	3♏28	29°53	25°30	26°20	11°46	10°33	9°22	3°42	20° 8	21°56	22° 6	20°57	n.a.	T 29
F 30	13 32 1	23♈37'28	16♏28	2♉ 0	25♉40	27♑ 0	11♐43	10♒37	9♊25	3♎41	20♑ 8	21♑45	22♑ 3	21♌ 4	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s40	14s12	5s 4	12s33	2s32	18n58	4n 4	24s50	1s 9	22s33	0n 5	20s 7	1s38	22n19	0n13	0n11	2n10	34s57	12s44	21s36	21s47	13n45		n.a.
F 2	1 16	18 41	4 57	11 54	2 30	19 16	4 6	24 50	1 10	22 33	0 5	20 6	1 38	22 19	0 13	0 12	2 10	34 58	12 44	21 38	21 48	13 43		n.a.
S 3	0 53	22 22	4 35	11 13	2 26	19 34	4 8	24 49	1 12	22 34	0 5	20 4	1 38	22 20	0 13	0 12	2 10	34 58	12 45	21 39	21 48	13 40		n.a.
S 4	0 30	24 59	3 58	10 31	2 22	19 50	4 11	24 47	1 14	22 34	0 4	20 3	1 38	22 20	0 13	0 13	2 10	34 58	12 45	21 40	21 49	13 37		n.a.
M 5	0 6	26 16	3 8	9 47	2 18	20 7	4 13	24 46	1 15	22 34	0 4	20 2	1 38	22 20	0 13	0 14	2 10	34 58	12 45	21 41	21 49	13 34		n.a.
T 6	0n17	26 0	2 7	9 2	2 12	20 23	4 14	24 44	1 17	22 35	0 4	20 0	1 39	22 20	0 13	0 14	2 10	34 58	12 46	21 41	21 50	13 31		n.a.
W 7	0 40	24 7	0 56	8 15	2 7	20 38	4 16	24 42	1 18	22 35	0 4	19 59	1 39	22 21	0 13	0 15	2 10	34 59	12 46	21 41	21 50	13 28		n.a.
T 8	1 4	20 42	0n19	7 26	2 0	20 52	4 18	24 40	1 20	22 35	0 4	19 58	1 39	22 21	0 13	0 16	2 10	34 59	12 46	21 41	21 51	13 26		n.a.
F 9	1 27	15 57	1 34	6 36	1 54	21 6	4 19	24 38	1 22	22 36	0 4	19 56	1 39	22 21	0 13	0 16	2 10	34 59	12 47	21 41	21 52	13 23		n.a.
S 10	1 50	10 12	2 45	5 44	1 47	21 20	4 20	24 35	1 23	22 36	0 4	19 55	1 39	22 22	0 13	0 17	2 10	34 59	12 47	21 42	21 52	13 20		n.a.
S 11	2 13	3 51	3 44	4 51	1 39	21 32	4 21	24 32	1 25	22 36	0 3	19 54	1 40	22 22	0 13	0 18	2 10	35 0	12 47	21 43	21 53	13 17		n.a.
M12	2 36	2n43	4 29	3 56	1 31	21 44	4 22	24 29	1 26	22 36	0 3	19 53	1 40	22 22	0 13	0 18	2 10	35 0	12 48	21 44	21 53	13 14		n.a.
T 13	2 59	9 4	4 55	3 0	1 22	21 56	4 23	24 26	1 28	22 37	0 3	19 51	1 40	22 23	0 13	0 19	2 10	35 0	12 48	21 46	21 54	13 11		n.a.
W14	3 23	14 49	5 1	2 3	1 13	22 7	4 23	24 23	1 30	22 37	0 3	19 50	1 40	22 23	0 13	0 20	2 10	35 0	12 48	21 48	21 54	13 9		n.a.
T 15	3 46	19 38	4 49	1 5	1 3	22 17	4 23	24 19	1 31	22 37	0 3	19 49	1 40	22 23	0 13	0 20	2 10	35 0	12 49	21 50	21 55	13 6		n.a.
F 16	4 9	23 14	4 21	0 6	0 54	22 26	4 23	24 15	1 33	22 37	0 3	19 48	1 41	22 24	0 13	0 21	2 10	35 1	12 49	21 51	21 55	13 3		n.a.
S 17	4 31	25 27	3 39	0n54	0 44	22 35	4 23	24 11	1 35	22 37	0 3	19 47	1 41	22 24	0 13	0 21	2 10	35 1	12 49	21 52	21 56	13 0		n.a.
S 18	4 54	26 15	2 47	1 55	0 33	22 43	4 22	24 7	1 37	22 37	0 2	19 46	1 41	22 24	0 13	0 22	2 10	35 1	12 50	21 53	21 56	12 57		n.a.
M19	5 17	25 41	1 48	2 56	0 23	22 50	4 21	24 3	1 38	22 37	0 2	19 44	1 41	22 25	0 13	0 23	2 10	35 2	12 50	21 53	21 57	12 54		n.a.
T 20	5 40	23 52	0 46	3 58	0 12	22 56	4 20	23 59	1 40	22 37	0 2	19 43	1 42	22 25	0 13	0 23	2 10	35 2	12 50	21 53	21 57	12 51		n.a.
W21	6 2	21 2	0s17	5 0	0 2	23 2	4 19	23 54	1 42	22 37	0 2	19 42	1 42	22 26	0 13	0 24	2 10	35 2	12 51	21 53	21 58	12 49		n.a.
T 22	6 25	17 20	1 19	6 1	0n 9	23 7	4 17	23 49	1 43	22 37	0 2	19 41	1 42	22 26	0 13	0 25	2 10	35 2	12 51	21 54	21 59	12 46		n.a.
F 23	6 47	12 59	2 17	7 2	0 19	23 11	4 15	23 44	1 45	22 37	0 2	19 40	1 42	22 26	0 13	0 25	2 10	35 3	12 51	21 54	21 59	12 43		n.a.
S 24	7 9	8 8	3 10	8 3	0 29	23 14	4 12	23 39	1 47	22 37	0 2	19 39	1 42	22 27	0 13	0 26	2 10	35 3	12 52	21 55	22 0	12 40		n.a.
S 25	7 31	2 57	3 54	9 3	0 39	23 17	4 10	23 33	1 49	22 37	0 1	19 38	1 43	22 27	0 13	0 26	2 10	35 3	12 52	21 56	22 0	12 37		n.a.
M26	7 53	2s23	4 29	10 2	0 49	23 18	4 7	23 28	1 50	22 37	0 1	19 37	1 43	22 28	0 13	0 27	2 10	35 4	12 53	21 58	22 1	12 34		n.a.
T 27	8 15	7 43	4 51	10 59	0 59	23 19	4 3	23 22	1 52	22 37	0 1	19 36	1 43	22 28	0 13	0 28	2 10	35 4	12 53	22 0	22 1	12 31		n.a.
W28	8 37	12 50	5 0	11 55	1 8	23 19	3 59	23 16	1 54	22 37	0 1	19 36	1 43	22 28	0 13	0 28	2 10	35 4	12 53	22 2	22 2	12 28		n.a.
T 29	8 59	17 30	4 54	12 49	1 16	23 18	3 55	23 10	1 56	22 36	0 1	19 35	1 44	22 29	0 13	0 29	2 10	35 5	12 54	22 4	22 2	12 26		n.a.
F 30	9n20	21s25	4s33	13n42	1n24	23n16	3n51	23s 4	1s57	22s36	0n 1	19s34	1s44	22n29	0n13	0n29	2n10	35s 5	12s54	22s 6	22s 3	12n23		n.a.

Julian Day Number = 1115928.5, Delta T = 10h47m20s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'29, Lahiri = -26°49'28 Julian Calendar 1 Apr. 1658 BCE == Greg. Calendar 18 March 1658 BCE

The year -1657 astronomical counting style corresponds to year 1658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

MAY 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 35 58	24♈34'35	29♏39	4♉ 5	25♉47	27♑40	11°R40	10♒41	9♊28	3°R39	20♑ 8	21°R35	22♑ 0	21♌11	n.a.	S 1
S 2	13 39 55	25°31'41	13♐ 2	6° 9	25°53	28°20	11♐37	10°45	9°31	3♎38	20° 8	21♑29	21°57	21°17	n.a.	S 2
M 3	13 43 51	26°28'47	26°35	8°10	25°56	29° 0	11°34	10°48	9°34	3°36	20° 8	21°25	21°54	21°24	n.a.	M 3
T 4	13 47 48	27°25'53	10♑18	10°10	25°R57	29°39	11°31	10°52	9°37	3°35	20° 8	21°24	21°50	21°31	n.a.	T 4
W 5	13 51 44	28°22'59	24°12	12° 7	25°56	0♒19	11°27	10°55	9°40	3°34	20° 8	21°23	21°47	21°37	n.a.	W 5
T 6	13 55 41	29°20'05	8♒16	14° 3	25°52	0°58	11°23	10°59	9°43	3°32	20°R 8	21°23	21°44	21°44	n.a.	T 6
F 7	13 59 37	0♉17'10	22°30	15°56	25°46	1°37	11°19	11° 2	9°46	3°31	20° 8	21°22	21°41	21°51	n.a.	F 7
S 8	14 3 34	1°14'15	6♓53	17°47	25°38	2°16	11°15	11° 5	9°49	3°29	20° 8	21°19	21°38	21°57	n.a.	S 8
S 9	14 7 30	2°11'21	21°20	19°36	25°27	2°55	11°11	11° 8	9°52	3°28	20° 8	21°12	21°34	22° 4	n.a.	S 9
M10	14 11 27	3° 8'26	5♈48	21°22	25°14	3°34	11° 6	11°11	9°55	3°27	20° 8	21° 4	21°31	22°11	n.a.	M10
T 11	14 15 24	4° 5'30	20°10	23° 6	24°59	4°13	11° 2	11°14	9°58	3°25	20° 8	20°53	21°28	22°17	n.a.	T 11
W12	14 19 20	5° 2'35	4♉20	24°48	24°41	4°51	10°57	11°17	10° 1	3°24	20° 8	20°42	21°25	22°24	n.a.	W12
T 13	14 23 17	5°59'40	18°13	26°28	24°21	5°30	10°52	11°20	10° 4	3°23	20° 7	20°31	21°22	22°30	n.a.	T 13
F 14	14 27 13	6°56'44	1♊44	28° 5	23°59	6° 8	10°47	11°22	10° 8	3°21	20° 7	20°22	21°19	22°37	n.a.	F 14
S 15	14 31 10	7°53'49	14°53	29°40	23°35	6°46	10°42	11°25	10°11	3°20	20° 7	20°15	21°15	22°44	n.a.	S 15
S 16	14 35 6	8°50'53	27°39	1♊13	23° 8	7°24	10°36	11°27	10°14	3°19	20° 7	20°11	21°12	22°51	n.a.	S 16
M17	14 39 3	9°47'56	10♋ 5	2°43	22°40	8° 1	10°31	11°30	10°17	3°18	20° 7	20° 9	21° 9	22°57	n.a.	M17
T 18	14 43 0	10°45'00	22°15	4°11	22°10	8°39	10°25	11°32	10°21	3°16	20° 6	20°D 9	21° 6	23° 4	n.a.	T 18
W19	14 46 56	11°42'03	4♌12	5°36	21°38	9°16	10°19	11°34	10°24	3°15	20° 6	20° 9	21° 3	23°11	n.a.	W19
T 20	14 50 53	12°39'06	16° 3	6°59	21° 5	9°53	10°13	11°36	10°27	3°14	20° 6	20°R 9	21° 0	23°17	n.a.	T 20
F 21	14 54 49	13°36'08	27°53	8°19	20°31	10°30	10° 7	11°38	10°31	3°13	20° 5	20° 8	20°56	23°24	n.a.	F 21
S 22	14 58 46	14°33'11	9♍47	9°37	19°55	11° 7	10° 1	11°40	10°34	3°12	20° 5	20° 5	20°53	23°31	n.a.	S 22
S 23	15 2 42	15°30'13	21°49	10°53	19°19	11°44	9°55	11°42	10°38	3°11	20° 5	20° 0	20°50	23°37	n.a.	S 23
M24	15 6 39	16°27'15	4♎ 4	12° 5	18°42	12°20	9°48	11°43	10°41	3°10	20° 4	19°52	20°47	23°44	n.a.	M24
T 25	15 10 35	17°24'18	16°34	13°15	18° 5	12°56	9°42	11°45	10°45	3° 8	20° 4	19°43	20°44	23°51	n.a.	T 25
W26	15 14 32	18°21'20	29°21	14°23	17°27	13°32	9°35	11°46	10°48	3° 7	20° 3	19°33	20°40	23°57	n.a.	W26
T 27	15 18 29	19°18'23	12♏25	15°27	16°50	14° 8	9°28	11°48	10°52	3° 6	20° 3	19°22	20°37	24° 4	n.a.	T 27
F 28	15 22 25	20°15'26	25°45	16°28	16°13	14°44	9°22	11°49	10°55	3° 5	20° 2	19°13	20°34	24°11	n.a.	F 28
S 29	15 26 22	21°12'29	9♐19	17°27	15°36	15°19	9°15	11°50	10°59	3° 5	20° 2	19° 6	20°31	24°17	n.a.	S 29
S 30	15 30 18	22° 9'33	23° 5	18°22	15° 1	15°54	9° 8	11°51	11° 2	3° 4	20° 1	19° 1	20°28	24°24	n.a.	S 30
M31	15 34 15	23♉ 6'38	7♑ 0	19♊14	14♉26	16♒29	9♐ 1	11♒52	11♊ 6	3♎ 3	20♑ 1	18♑58	20♑25	24♌31	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n42	24s19	3s57	14n33	1n31	23n13	3n46	22s58	1s59	22s36	0n 1	19s33	1s44	22n30	0n13	0n30	2n10	35s 5	12s54	22s 7	22s 3	12n20		n.a.
S 2	10 3	25 54	3 8	15 21	1 38	23 9	3 40	22 51	2 1	22 36	0 0	19 32	1 44	22 30	0 13	0 31	2 10	35 6	12 55	22 8	22 4	12 17		n.a.
M 3	10 24	25 58	2 7	16 8	1 44	23 4	3 34	22 45	2 3	22 35	0 0	19 31	1 45	22 31	0 13	0 31	2 10	35 6	12 55	22 9	22 4	12 14		n.a.
T 4	10 45	24 27	0 58	16 52	1 50	22 58	3 28	22 38	2 5	22 35	0 0	19 31	1 45	22 31	0 13	0 32	2 10	35 6	12 55	22 9	22 5	12 11		n.a.
W 5	11 6	21 26	0n15	17 34	1 54	22 51	3 21	22 31	2 6	22 35	0s 0	19 30	1 45	22 32	0 13	0 32	2 10	35 7	12 56	22 9	22 5	12 8		n.a.
T 6	11 27	17 7	1 28	18 14	1 58	22 43	3 14	22 24	2 8	22 34	0 0	19 29	1 45	22 32	0 13	0 33	2 10	35 7	12 56	22 9	22 6	12 5		n.a.
F 7	11 47	11 48	2 37	18 51	2 2	22 34	3 6	22 17	2 10	22 34	0 0	19 28	1 45	22 32	0 13	0 33	2 10	35 7	12 56	22 9	22 6	12 2		n.a.
S 8	12 7	5 49	3 36	19 27	2 5	22 24	2 58	22 10	2 12	22 34	0 1	19 28	1 46	22 33	0 13	0 34	2 10	35 8	12 57	22 10	22 7	12 0		n.a.
S 9	12 28	0n30	4 22	19 59	2 7	22 13	2 49	22 2	2 14	22 33	0 1	19 27	1 46	22 33	0 13	0 34	2 10	35 8	12 57	22 11	22 7	11 57		n.a.
M10	12 47	6 47	4 51	20 30	2 8	22 1	2 40	21 55	2 16	22 33	0 1	19 27	1 46	22 34	0 13	0 35	2 10	35 8	12 57	22 12	22 8	11 54		n.a.
T 11	13 7	12 39	5 1	20 58	2 9	21 48	2 30	21 47	2 17	22 32	0 1	19 26	1 46	22 34	0 13	0 35	2 10	35 9	12 58	22 14	22 8	11 51		n.a.
W12	13 27	17 47	4 53	21 24	2 9	21 33	2 20	21 40	2 19	22 32	0 1	19 25	1 47	22 35	0 13	0 36	2 10	35 9	12 58	22 16	22 9	11 48		n.a.
T 13	13 46	21 51	4 27	21 48	2 8	21 18	2 9	21 32	2 21	22 31	0 1	19 25	1 47	22 35	0 13	0 36	2 10	35 9	12 58	22 17	22 9	11 45		n.a.
F 14	14 5	24 36	3 47	22 10	2 7	21 2	1 58	21 24	2 23	22 31	0 2	19 24	1 47	22 36	0 13	0 37	2 10	35 10	12 59	22 19	22 10	11 42		n.a.
S 15	14 24	25 55	2 56	22 29	2 5	20 44	1 47	21 16	2 25	22 30	0 2	19 24	1 47	22 36	0 13	0 37	2 9	35 10	12 59	22 20	22 10	11 39		n.a.
S 16	14 43	25 49	1 57	22 47	2 2	20 26	1 35	21 8	2 27	22 29	0 2	19 23	1 48	22 37	0 13	0 38	2 9	35 11	13 0	22 20	22 11	11 36		n.a.
M17	15 1	24 23	0 53	23 2	1 59	20 7	1 23	21 0	2 29	22 29	0 2	19 23	1 48	22 37	0 13	0 38	2 9	35 11	13 0	22 21	22 11	11 34		n.a.
T 18	15 20	21 50	0s11	23 15	1 55	19 47	1 10	20 51	2 31	22 28	0 2	19 23	1 48	22 38	0 13	0 39	2 9	35 11	13 0	22 21	22 12	11 31		n.a.
W19	15 38	18 22	1 14	23 27	1 50	19 26	0 57	20 43	2 33	22 27	0 2	19 22	1 49	22 38	0 13	0 39	2 9	35 12	13 1	22 21	22 12	11 28		n.a.
T 20	15 55	14 12	2 14	23 37	1 45	19 4	0 44	20 35	2 34	22 27	0 3	19 22	1 49	22 39	0 13	0 40	2 9	35 12	13 1	22 21	22 13	11 25		n.a.
F 21	16 13	9 31	3 7	23 45	1 39	18 42	0 30	20 26	2 36	22 26	0 3	19 22	1 49	22 39	0 13	0 40	2 9	35 12	13 1	22 21	22 13	11 22		n.a.
S 22	16 30	4 28	3 52	23 51	1 33	18 19	0 16	20 18	2 38	22 25	0 3	19 21	1 49	22 40	0 13	0 41	2 9	35 13	13 2	22 21	22 14	11 19		n.a.
S 23	16 47	0s48	4 28	23 55	1 26	17 55	0 2	20 9	2 40	22 24	0 3	19 21	1 50	22 40	0 13	0 41	2 9	35 13	13 2	22 22	22 14	11 16		n.a.
M24	17 4	6 6	4 53	23 58	1 19	17 32	0s12	20 0	2 42	22 24	0 3	19 21	1 50	22 41	0 13	0 41	2 9	35 14	13 2	22 23	22 15	11 13		n.a.
T 25	17 21	11 17	5 3	23 59	1 11	17 8	0 25	19 52	2 44	22 23	0 3	19 21	1 50	22 41	0 13	0 42	2 9	35 14	13 3	22 25	22 15	11 10		n.a.
W26	17 37	16 6	4 59	23 59	1 2	16 44	0 39	19 43	2 46	22 22	0 4	19 21	1 50	22 42	0 13	0 42	2 9	35 14	13 3	22 26	22 16	11 7		n.a.
T 27	17 53	20 17	4 40	23 57	0 53	16 20	0 53	19 34	2 48	22 21	0 4	19 20	1 51	22 42	0 13	0 42	2 9	35 15	13 3	22 28	22 16	11 4		n.a.
F 28	18 9	23 31	4 5	23 54	0 43	15 56	1 7	19 25	2 50	22 20	0 4	19 20	1 51	22 43	0 13	0 43	2 9	35 15	13 3	22 29	22 17	11 1		n.a.
S 29	18 24	25 29	3 16	23 50	0 33	15 32	1 21	19 16	2 52	22 19	0 4	19 20	1 51	22 43	0 13	0 43	2 9	35 16	13 4	22 30	22 17	10 59		n.a.
S 30	18 39	25 56	2 14	23 45	0 23	15 9	1 34	19 7	2 54	22 18	0 4	19 20	1 51	22 44	0 13	0 43	2 9	35 16	13 4	22 31	22 18	10 56		n.a.
M31	18n54	24s46	1s 4	23n38	0n11	14n46	1s47	18s58	2s56	22s17	0s 4	19s20	1s52	22n44	0n13	0n44	2n 9	35s16	13s 4	22s31	22s18	10n53		n.a.

Julian Day Number = 1115958.5, Delta T = 10h47m18s
Ecliptic obliquity = 23°53'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'25, Lahiri = -26°49'24 Julian Calendar 1 May 1658 BCE == Greg. Calendar 17 Apr. 1658 BCE

The year -1657 astronomical counting style corresponds to year 1658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

JUNE 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 38 11	24♉ 3'43	21♋ 1	20♊ 3	13°R53	17♒ 4	8°R53	11♒53	11♊ 9	3°R 2	20°R 0	18°D58	20♋21	24♌37	n.a.	T 1
W 2	15 42 8	25° 0'49	5♒ 7	20°48	13♉21	17°39	8♐46	11°54	11°13	3♎ 1	19♋59	18♋58	20°18	24°44	n.a.	W 2
T 3	15 46 5	25°57'56	19°15	21°30	12°51	18°13	8°39	11°54	11°16	3° 0	19°59	18°R59	20°15	24°51	n.a.	T 3
F 4	15 50 1	26°55'03	3♓26	22° 7	12°22	18°47	8°31	11°55	11°20	2°59	19°58	18°59	20°12	24°57	n.a.	F 4
S 5	15 53 58	27°52'11	17°36	22°41	11°55	19°20	8°24	11°55	11°24	2°59	19°57	18°58	20° 9	25° 4	n.a.	S 5
S 6	15 57 54	28°49'21	1♈44	23°11	11°31	19°54	8°16	11°56	11°27	2°58	19°57	18°54	20° 6	25°11	n.a.	S 6
M 7	16 1 51	29°46'31	15°47	23°37	11° 8	20°27	8° 9	11°56	11°31	2°57	19°56	18°48	20° 2	25°17	n.a.	M 7
T 8	16 5 47	0♊43'42	29°43	23°58	10°48	21° 0	8° 1	11°56	11°35	2°56	19°55	18°41	19°59	25°24	n.a.	T 8
W 9	16 9 44	1°40'54	13♉27	24°14	10°30	21°33	7°54	11°R56	11°38	2°56	19°55	18°33	19°56	25°31	n.a.	W 9
T 10	16 13 41	2°38'07	26°57	24°26	10°14	22° 5	7°46	11°56	11°42	2°55	19°54	18°26	19°53	25°37	n.a.	T 10
F 11	16 17 37	3°35'21	10♊10	24°33	10° 1	22°37	7°38	11°56	11°46	2°55	19°53	18°20	19°50	25°44	n.a.	F 11
S 12	16 21 34	4°32'35	23° 5	24°R35	9°50	23° 8	7°30	11°55	11°49	2°54	19°52	18°15	19°46	25°51	n.a.	S 12
S 13	16 25 30	5°29'51	5♋42	24°33	9°42	23°40	7°23	11°55	11°53	2°53	19°51	18°12	19°43	25°57	n.a.	S 13
M14	16 29 27	6°27'07	18° 3	24°25	9°35	24°11	7°15	11°54	11°57	2°53	19°50	18°D12	19°40	26° 4	n.a.	M14
T 15	16 33 23	7°24'23	0♌10	24°12	9°32	24°41	7° 7	11°54	12° 0	2°52	19°50	18°12	19°37	26°11	n.a.	T 15
W16	16 37 20	8°21'41	12° 7	23°54	9°D30	25°12	6°59	11°53	12° 4	2°52	19°49	18°14	19°34	26°17	n.a.	W16
T 17	16 41 16	9°18'59	23°58	23°32	9°31	25°42	6°52	11°52	12° 8	2°52	19°48	18°15	19°31	26°24	n.a.	T 17
F 18	16 45 13	10°16'18	5♍48	23° 4	9°34	26°11	6°44	11°51	12°11	2°51	19°47	18°R16	19°27	26°31	n.a.	F 18
S 19	16 49 10	11°13'38	17°43	22°33	9°39	26°41	6°36	11°50	12°15	2°51	19°46	18°16	19°24	26°37	n.a.	S 19
S 20	16 53 6	12°10'58	29°46	21°57	9°47	27°10	6°28	11°49	12°19	2°50	19°45	18°15	19°21	26°44	n.a.	S 20
M21	16 57 3	13° 8'19	12♎ 3	21°18	9°56	27°38	6°21	11°48	12°22	2°50	19°44	18°11	19°18	26°51	n.a.	M21
T 22	17 0 59	14° 5'42	24°38	20°36	10° 8	28° 6	6°13	11°47	12°26	2°50	19°43	18° 7	19°15	26°57	n.a.	T 22
W23	17 4 56	15° 3'05	7♏32	19°52	10°22	28°34	6° 6	11°45	12°30	2°50	19°42	18° 2	19°11	27° 4	n.a.	W23
T 24	17 8 52	16° 0'29	20°48	19° 6	10°37	29° 1	5°58	11°44	12°34	2°49	19°41	17°57	19° 8	27°11	n.a.	T 24
F 25	17 12 49	16°57'55	4♐25	18°19	10°55	29°28	5°51	11°42	12°37	2°49	19°40	17°52	19° 5	27°17	n.a.	F 25
S 26	17 16 45	17°55'21	18°20	17°32	11°14	29°55	5°43	11°40	12°41	2°49	19°39	17°49	19° 2	27°24	n.a.	S 26
S 27	17 20 42	18°52'49	2♋30	16°46	11°36	0♓21	5°36	11°39	12°45	2°49	19°38	17°47	18°59	27°31	n.a.	S 27
M28	17 24 39	19°50'18	16°51	16° 2	11°59	0°47	5°28	11°37	12°48	2°49	19°37	17°D46	18°56	27°37	n.a.	M28
T 29	17 28 35	20°47'49	1♒17	15°21	12°23	1°12	5°21	11°35	12°52	2°49	19°36	17°46	18°52	27°44	n.a.	T 29
W30	17 32 32	21♊45'22	15♒44	14♊43	12♉50	1♓37	5♐14	11♒33	12♊56	2°D49	19♋35	17♋48	18♋49	27♌51	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n 8	22s 2	0n11	23n30	0s 0	14n24	2s 0	18s49	2s58	22s16	0s 5	19s20	1s52	22n45	0n13	0n44	2n 9	35s17	13s 5	22s31	22s19	10n50		n.a.
W 2	19 23	17 58	1 26	23 22	0 12	14 3	2 12	18 41	3 0	22 15	0 5	19 20	1 52	22 45	0 13	0 44	2 9	35 17	13 5	22 31	22 19	10 47		n.a.
T 3	19 36	12 52	2 35	23 12	0 25	13 42	2 24	18 32	3 2	22 14	0 5	19 20	1 52	22 46	0 13	0 45	2 9	35 18	13 5	22 31	22 20	10 44		n.a.
F 4	19 50	7 6	3 36	23 2	0 38	13 22	2 35	18 23	3 3	22 13	0 5	19 20	1 53	22 46	0 13	0 45	2 8	35 18	13 6	22 31	22 20	10 41		n.a.
S 5	20 3	0 58	4 23	22 50	0 51	13 4	2 47	18 14	3 5	22 12	0 5	19 21	1 53	22 47	0 13	0 45	2 8	35 18	13 6	22 31	22 21	10 38		n.a.
S 6	20 16	5n11	4 54	22 38	1 4	12 46	2 57	18 5	3 7	22 11	0 6	19 21	1 53	22 47	0 13	0 45	2 8	35 19	13 6	22 32	22 21	10 35		n.a.
M 7	20 29	11 1	5 7	22 26	1 18	12 29	3 7	17 56	3 9	22 10	0 6	19 21	1 54	22 48	0 13	0 46	2 8	35 19	13 7	22 32	22 22	10 32		n.a.
T 8	20 41	16 16	5 2	22 13	1 32	12 14	3 17	17 47	3 11	22 9	0 6	19 21	1 54	22 48	0 13	0 46	2 8	35 20	13 7	22 33	22 22	10 29		n.a.
W 9	20 53	20 36	4 39	21 59	1 46	12 0	3 26	17 38	3 13	22 8	0 6	19 21	1 54	22 49	0 13	0 46	2 8	35 20	13 7	22 35	22 23	10 26		n.a.
T 10	21 5	23 45	4 1	21 46	2 1	11 47	3 34	17 29	3 15	22 7	0 6	19 22	1 54	22 49	0 13	0 46	2 8	35 20	13 7	22 36	22 23	10 23		n.a.
F 11	21 16	25 32	3 11	21 32	2 15	11 35	3 42	17 20	3 17	22 6	0 6	19 22	1 55	22 50	0 13	0 46	2 8	35 21	13 8	22 36	22 24	10 20		n.a.
S 12	21 27	25 54	2 12	21 18	2 29	11 24	3 50	17 11	3 19	22 5	0 7	19 22	1 55	22 51	0 13	0 47	2 8	35 21	13 8	22 37	22 24	10 17		n.a.
S 13	21 37	24 53	1 7	21 3	2 43	11 15	3 57	17 3	3 21	22 4	0 7	19 23	1 55	22 51	0 13	0 47	2 8	35 22	13 8	22 37	22 25	10 14		n.a.
M14	21 47	22 39	0 1	20 49	2 57	11 7	4 4	16 54	3 23	22 2	0 7	19 23	1 55	22 52	0 13	0 47	2 8	35 22	13 8	22 38	22 25	10 12		n.a.
T 15	21 57	19 27	1s 5	20 35	3 11	11 0	4 10	16 45	3 25	22 1	0 7	19 23	1 56	22 52	0 13	0 47	2 8	35 22	13 9	22 37	22 25	10 9		n.a.
W16	22 7	15 28	2 6	20 21	3 24	10 54	4 15	16 37	3 27	22 0	0 7	19 24	1 56	22 53	0 13	0 47	2 8	35 23	13 9	22 37	22 26	10 6		n.a.
T 17	22 16	10 55	3 2	20 8	3 36	10 49	4 20	16 28	3 29	21 59	0 7	19 24	1 56	22 53	0 13	0 47	2 8	35 23	13 9	22 37	22 26	10 3		n.a.
F 18	22 24	5 59	3 50	19 55	3 48	10 46	4 25	16 20	3 31	21 58	0 8	19 25	1 56	22 54	0 13	0 47	2 8	35 24	13 9	22 37	22 27	10 0		n.a.
S 19	22 33	0 50	4 29	19 43	3 58	10 44	4 29	16 11	3 34	21 57	0 8	19 25	1 57	22 54	0 13	0 47	2 7	35 24	13 10	22 37	22 27	9 57		n.a.
S 20	22 41	4s25	4 56	19 31	4 8	10 42	4 33	16 3	3 36	21 56	0 8	19 26	1 57	22 55	0 13	0 48	2 7	35 24	13 10	22 37	22 28	9 54		n.a.
M21	22 48	9 35	5 10	19 20	4 16	10 42	4 36	15 55	3 38	21 54	0 8	19 27	1 57	22 55	0 13	0 48	2 7	35 25	13 10	22 38	22 28	9 51		n.a.
T 22	22 55	14 30	5 10	19 11	4 23	10 43	4 39	15 47	3 40	21 53	0 8	19 27	1 57	22 56	0 13	0 48	2 7	35 25	13 10	22 38	22 29	9 48		n.a.
W23	23 2	18 54	4 54	19 2	4 28	10 45	4 42	15 39	3 42	21 52	0 8	19 28	1 58	22 56	0 13	0 48	2 7	35 26	13 11	22 39	22 29	9 45		n.a.
T 24	23 8	22 30	4 22	18 55	4 32	10 48	4 44	15 31	3 44	21 51	0 9	19 29	1 58	22 57	0 13	0 48	2 7	35 26	13 11	22 40	22 30	9 42		n.a.
F 25	23 14	24 57	3 35	18 49	4 34	10 52	4 46	15 23	3 46	21 50	0 9	19 29	1 58	22 57	0 13	0 48	2 7	35 26	13 11	22 40	22 30	9 39		n.a.
S 26	23 20	25 56	2 34	18 44	4 34	10 56	4 47	15 15	3 48	21 48	0 9	19 30	1 58	22 58	0 13	0 48	2 7	35 27	13 11	22 41	22 31	9 36		n.a.
S 27	23 25	25 15	1 23	18 41	4 33	11 2	4 48	15 7	3 50	21 47	0 9	19 31	1 59	22 58	0 13	0 48	2 7	35 27	13 12	22 41	22 31	9 33		n.a.
M28	23 29	22 53	0 5	18 40	4 30	11 8	4 49	15 0	3 52	21 46	0 9	19 32	1 59	22 59	0 13	0 48	2 7	35 27	13 12	22 41	22 31	9 30		n.a.
T 29	23 34	19 3	1n14	18 41	4 25	11 15	4 50	14 53	3 54	21 45	0 9	19 32	1 59	22 59	0 13	0 48	2 7	35 28	13 12	22 41	22 32	9 27		n.a.
W30	23n38	14s 4	2n28	18n44	4s18	11n23	4s50	14s45	3s56	21s44	0s 9	19s33	1s59	23n 0	0n13	0n48	2n 7	35s28	13s12	22s41	22s32	9n24		n.a.

Julian Day Number = 1115989.5, Delta T = 10h47m16s
Ecliptic obliquity = 23°53'20, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'21, Lahiri = -26°49'20 Julian Calendar 1 June 1658 BCE == Greg. Calendar 18 May 1658 BCE

The year -1657 astronomical counting style corresponds to year 1658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

JULY 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 36 28	22♊42'55	0♓ 8	14°R10	13♉18	2♓ 1	5°R 7	11°R30	12♊59	2♎49	19°R34	17♑49	18♑46	27♌57	n.a.	T 1
F 2	17 40 25	23°40'31	14°25	13♊42	13°47	2°25	5♐ 0	11♒28	13° 3	2°49	19♑33	17°50	18°43	28° 4	n.a.	F 2
S 3	17 44 21	24°38'08	28°33	13°19	14°18	2°48	4°53	11°26	13° 7	2°49	19°31	17°R50	18°40	28°11	n.a.	S 3
S 4	17 48 18	25°35'47	12♈30	13° 2	14°50	3°11	4°46	11°23	13°10	2°49	19°30	17°49	18°37	28°17	n.a.	S 4
M 5	17 52 15	26°33'28	26°16	12°52	15°24	3°33	4°40	11°21	13°14	2°49	19°29	17°48	18°33	28°24	n.a.	M 5
T 6	17 56 11	27°31'11	9♉48	12°D49	15°59	3°55	4°33	11°18	13°18	2°50	19°28	17°45	18°30	28°31	n.a.	T 6
W 7	18 0 8	28°28'55	23° 8	12°53	16°35	4°16	4°26	11°15	13°21	2°50	19°27	17°42	18°27	28°38	n.a.	W 7
T 8	18 4 4	29°26'42	6♊13	13° 5	17°13	4°37	4°20	11°12	13°25	2°50	19°26	17°40	18°24	28°44	n.a.	T 8
F 9	18 8 1	0♋24'30	19° 4	13°24	17°52	4°57	4°14	11°10	13°28	2°50	19°25	17°37	18°21	28°51	n.a.	F 9
S 10	18 11 57	1°22'20	1♋41	13°51	18°31	5°16	4° 8	11° 7	13°32	2°51	19°23	17°36	18°17	28°58	n.a.	S 10
S 11	18 15 54	2°20'11	14° 5	14°25	19°12	5°35	4° 2	11° 4	13°36	2°51	19°22	17°D35	18°14	29° 4	n.a.	S 11
M12	18 19 50	3°18'04	26°16	15° 7	19°54	5°53	3°56	11° 0	13°39	2°51	19°21	17°36	18°11	29°11	n.a.	M12
T 13	18 23 47	4°15'59	8♌18	15°55	20°37	6°11	3°50	10°57	13°43	2°52	19°20	17°36	18° 8	29°18	n.a.	T 13
W14	18 27 44	5°13'55	20°12	16°51	21°21	6°28	3°44	10°54	13°46	2°52	19°19	17°37	18° 5	29°24	n.a.	W14
T 15	18 31 40	6°11'52	2♍ 2	17°54	22° 5	6°44	3°39	10°50	13°50	2°53	19°17	17°39	18° 2	29°31	n.a.	T 15
F 16	18 35 37	7° 9'51	13°52	19° 3	22°51	7° 0	3°34	10°47	13°53	2°53	19°16	17°40	17°58	29°38	n.a.	F 16
S 17	18 39 33	8° 7'52	25°45	20°18	23°38	7°15	3°29	10°43	13°57	2°54	19°15	17°40	17°55	29°44	n.a.	S 17
S 18	18 43 30	9° 5'54	7♎48	21°39	24°25	7°29	3°24	10°40	14° 0	2°54	19°14	17°R41	17°52	29°51	n.a.	S 18
M19	18 47 26	10° 3'58	20° 3	23° 6	25°13	7°43	3°19	10°36	14° 4	2°55	19°12	17°40	17°49	29°58	n.a.	M19
T 20	18 51 23	11° 2'03	2♏36	24°37	26° 2	7°56	3°14	10°32	14° 7	2°55	19°11	17°40	17°46	0♍ 4	n.a.	T 20
W21	18 55 19	12° 0'11	15°30	26°13	26°52	8° 8	3° 9	10°29	14°10	2°56	19°10	17°39	17°43	0°11	n.a.	W21
T 22	18 59 16	12°58'19	28°48	27°52	27°42	8°19	3° 5	10°25	14°14	2°57	19° 9	17°39	17°39	0°18	n.a.	T 22
F 23	19 3 13	13°56'30	12♐32	29°35	28°33	8°30	3° 1	10°21	14°17	2°58	19° 7	17°38	17°36	0°24	n.a.	F 23
S 24	19 7 9	14°54'42	26°39	1♋21	29°25	8°40	2°57	10°17	14°20	2°58	19° 6	17°38	17°33	0°31	n.a.	S 24
S 25	19 11 6	15°52'56	11♑ 7	3° 9	0♊17	8°49	2°53	10°13	14°24	2°59	19° 5	17°D38	17°30	0°38	n.a.	S 25
M26	19 15 2	16°51'12	25°50	5° 0	1°10	8°58	2°49	10° 9	14°27	3° 0	19° 3	17°38	17°27	0°44	n.a.	M26
T 27	19 18 59	17°49'30	10♒42	6°52	2° 4	9° 5	2°46	10° 5	14°30	3° 1	19° 2	17°R38	17°23	0°51	n.a.	T 27
W28	19 22 55	18°47'50	25°35	8°45	2°58	9°12	2°43	10° 0	14°33	3° 2	19° 1	17°38	17°20	0°58	n.a.	W28
T 29	19 26 52	19°46'12	10♓21	10°39	3°53	9°18	2°39	9°56	14°37	3° 3	19° 0	17°38	17°17	1° 5	n.a.	T 29
F 30	19 30 48	20°44'37	24°54	12°34	4°48	9°23	2°37	9°52	14°40	3° 4	18°58	17°37	17°14	1°11	n.a.	F 30
S 31	19 34 45	21♋43'04	9♈11	14♋29	5♊44	9♓27	2♐34	9♒47	14♊43	3♎ 5	18♑57	17♑37	17♑11	1♍18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n41	8s20	3n32	18n48	4s 9	11n31	4s50	14s38	3s58	21s43	0s10	19s34	2s 0	23n 0	0n13	0n47	2n 7	35s29	13s12	22s41	22s33	9n21			n.a.
F 2	23 44	2 13	4 23	18 54	4 0	11 40	4 50	14 31	4 0	21 42	0 10	19 35	2 0	23 0	0 13	0 47	2 7	35 29	13 13	22 40	22 33	9 18			n.a.
S 3	23 47	3n57	4 57	19 3	3 49	11 50	4 49	14 25	4 2	21 40	0 10	19 36	2 0	23 1	0 13	0 47	2 7	35 29	13 13	22 40	22 34	9 15			n.a.
S 4	23 49	9 49	5 13	19 13	3 36	12 0	4 48	14 18	4 4	21 39	0 10	19 37	2 0	23 1	0 13	0 47	2 6	35 30	13 13	22 41	22 34	9 12			n.a.
M 5	23 51	15 8	5 11	19 25	3 23	12 11	4 48	14 12	4 6	21 38	0 10	19 38	2 1	23 2	0 13	0 47	2 6	35 30	13 13	22 41	22 35	9 9			n.a.
T 6	23 52	19 38	4 52	19 39	3 9	12 22	4 46	14 5	4 8	21 37	0 10	19 39	2 1	23 2	0 13	0 47	2 6	35 30	13 13	22 41	22 35	9 7			n.a.
W 7	23 53	23 2	4 17	19 54	2 54	12 34	4 45	13 59	4 10	21 36	0 11	19 40	2 1	23 3	0 13	0 47	2 6	35 31	13 13	22 42	22 35	9 4			n.a.
T 8	23 53	25 11	3 29	20 11	2 38	12 46	4 43	13 53	4 12	21 35	0 11	19 41	2 1	23 3	0 13	0 47	2 6	35 31	13 14	22 42	22 36	9 1			n.a.
F 9	23 53	25 56	2 31	20 29	2 22	12 58	4 42	13 48	4 14	21 34	0 11	19 42	2 2	23 4	0 13	0 46	2 6	35 31	13 14	22 42	22 36	8 58			n.a.
S 10	23 53	25 19	1 27	20 48	2 6	13 11	4 40	13 42	4 16	21 33	0 11	19 43	2 2	23 4	0 13	0 46	2 6	35 32	13 14	22 42	22 37	8 55			n.a.
S 11	23 52	23 27	0 19	21 9	1 50	13 24	4 37	13 37	4 18	21 32	0 11	19 44	2 2	23 5	0 13	0 46	2 6	35 32	13 14	22 42	22 37	8 52			n.a.
M12	23 51	20 31	0s48	21 30	1 33	13 38	4 35	13 32	4 20	21 31	0 11	19 45	2 2	23 5	0 13	0 46	2 6	35 32	13 14	22 42	22 38	8 49			n.a.
T 13	23 49	16 44	1 52	21 51	1 17	13 52	4 33	13 27	4 22	21 30	0 11	19 46	2 2	23 6	0 13	0 46	2 6	35 33	13 14	22 42	22 38	8 46			n.a.
W14	23 47	12 19	2 51	22 13	1 1	14 6	4 30	13 22	4 23	21 29	0 12	19 47	2 3	23 6	0 13	0 45	2 6	35 33	13 14	22 42	22 38	8 43			n.a.
T 15	23 44	7 30	3 42	22 34	0 46	14 20	4 27	13 18	4 25	21 28	0 12	19 48	2 3	23 7	0 13	0 45	2 6	35 33	13 14	22 42	22 39	8 40			n.a.
F 16	23 41	2 25	4 24	22 55	0 31	14 34	4 24	13 14	4 27	21 27	0 12	19 50	2 3	23 7	0 13	0 45	2 6	35 34	13 15	22 42	22 39	8 37			n.a.
S 17	23 38	2s46	4 54	23 16	0 16	14 49	4 21	13 10	4 29	21 26	0 12	19 51	2 3	23 7	0 13	0 44	2 6	35 34	13 15	22 42	22 40	8 34			n.a.
S 18	23 34	7 55	5 12	23 35	0 2	15 4	4 18	13 6	4 31	21 26	0 12	19 52	2 3	23 8	0 13	0 44	2 5	35 34	13 15	22 42	22 40	8 31			n.a.
M19	23 30	12 51	5 17	23 53	0n11	15 18	4 15	13 2	4 33	21 25	0 12	19 53	2 4	23 8	0 13	0 44	2 5	35 35	13 15	22 42	22 41	8 28			n.a.
T 20	23 25	17 23	5 7	24 10	0 24	15 33	4 11	12 59	4 35	21 24	0 12	19 54	2 4	23 9	0 13	0 44	2 5	35 35	13 15	22 42	22 41	8 25			n.a.
W21	23 20	21 15	4 41	24 25	0 35	15 48	4 8	12 56	4 36	21 23	0 13	19 56	2 4	23 9	0 13	0 43	2 5	35 35	13 15	22 42	22 41	8 22			n.a.
T 22	23 15	24 9	3 59	24 39	0 46	16 3	4 4	12 53	4 38	21 22	0 13	19 57	2 4	23 10	0 13	0 43	2 5	35 35	13 15	22 42	22 42	8 19			n.a.
F 23	23 9	25 45	3 3	24 50	0 56	16 18	4 1	12 51	4 40	21 22	0 13	19 58	2 4	23 10	0 13	0 43	2 5	35 36	13 15	22 42	22 42	8 16			n.a.
S 24	23 2	25 45	1 54	24 58	1 5	16 33	3 57	12 48	4 42	21 21	0 13	19 59	2 5	23 10	0 13	0 42	2 5	35 36	13 15	22 42	22 43	8 13			n.a.
S 25	22 55	24 1	0 36	25 5	1 14	16 48	3 53	12 46	4 43	21 20	0 13	20 1	2 5	23 11	0 13	0 42	2 5	35 36	13 15	22 42	22 43	8 10			n.a.
M26	22 48	20 38	0n45	25 8	1 21	17 3	3 49	12 45	4 45	21 20	0 13	20 2	2 5	23 11	0 13	0 41	2 5	35 36	13 15	22 42	22 44	8 7			n.a.
T 27	22 41	15 53	2 5	25 9	1 27	17 18	3 45	12 43	4 47	21 19	0 13	20 3	2 5	23 12	0 13	0 41	2 5	35 37	13 15	22 42	22 44	8 4			n.a.
W28	22 32	10 10	3 16	25 8	1 33	17 32	3 41	12 42	4 48	21 19	0 13	20 5	2 5	23 12	0 14	0 41	2 5	35 37	13 15	22 42	22 44	8 1			n.a.
T 29	22 24	3 56	4 13	25 4	1 37	17 47	3 36	12 41	4 50	21 18	0 14	20 6	2 5	23 12	0 14	0 40	2 5	35 37	13 15	22 42	22 45	7 58			n.a.
F 30	22 15	2n24	4 53	24 58	1 41	18 1	3 32	12 40	4 51	21 18	0 14	20 7	2 6	23 13	0 14	0 40	2 5	35 37	13 16	22 42	22 45	7 55			n.a.
S 31	22n 6	8n30	5n14	24n49	1n44	18n16	3s28	12s40	4s53	21s17	0s14	20s 9	2s 6	23n13	0n14	0n39	2n 5	35s38	13s16	22s42	22s46	7n52			n.a.

Julian Day Number = 1116019.5, Delta T = 10h47m14s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'17, Lahiri = -26°49'16 Julian Calendar 1 July 1658 BCE == Greg. Calendar 17 June 1658 BCE

The year -1657 astronomical counting style corresponds to year 1658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

AUGUST 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 38 41	22♋41'33	23♈ 9	16♋24	6♊41	9♓31	2°R31	9°R43	14♊46	3♎ 6	18°R56	17°D37	17♑ 8	1♍25	n.a.	S 1
M 2	19 42 38	23°40'04	6♉46	18°19	7°38	9°33	2♐29	9♒39	14°49	3° 7	18♑55	17♑37	17° 4	1°31	n.a.	M 2
T 3	19 46 35	24°38'38	20° 4	20°13	8°35	9°35	2°27	9°34	14°52	3° 8	18°53	17°38	17° 1	1°38	n.a.	T 3
W 4	19 50 31	25°37'15	3♊ 5	22° 7	9°33	9°R36	2°25	9°30	14°55	3° 9	18°52	17°38	16°58	1°45	n.a.	W 4
T 5	19 54 28	26°35'53	15°50	24° 1	10°32	9°36	2°23	9°25	14°58	3°10	18°51	17°39	16°55	1°51	n.a.	T 5
F 6	19 58 24	27°34'34	28°21	25°53	11°31	9°35	2°21	9°20	15° 1	3°11	18°50	17°40	16°52	1°58	n.a.	F 6
S 7	20 2 21	28°33'18	10♋40	27°45	12°30	9°33	2°20	9°16	15° 4	3°12	18°48	17°41	16°49	2° 5	n.a.	S 7
S 8	20 6 17	29°32'03	22°50	29°36	13°30	9°30	2°18	9°11	15° 7	3°13	18°47	17°R41	16°45	2°11	n.a.	S 8
M 9	20 10 14	0♌30'51	4♌52	1♌26	14°30	9°27	2°17	9° 7	15°10	3°15	18°46	17°40	16°42	2°18	n.a.	M 9
T 10	20 14 10	1°29'41	16°47	3°16	15°30	9°22	2°16	9° 2	15°13	3°16	18°45	17°39	16°39	2°25	n.a.	T 10
W11	20 18 7	2°28'32	28°38	5° 4	16°31	9°17	2°16	8°57	15°16	3°17	18°43	17°37	16°36	2°31	n.a.	W11
T 12	20 22 4	3°27'26	10♍27	6°51	17°33	9°10	2°15	8°52	15°18	3°19	18°42	17°34	16°33	2°38	n.a.	T 12
F 13	20 26 0	4°26'22	22°17	8°37	18°34	9° 3	2°15	8°48	15°21	3°20	18°41	17°32	16°29	2°45	n.a.	F 13
S 14	20 29 57	5°25'20	4♎11	10°23	19°36	8°55	2°D15	8°43	15°24	3°21	18°40	17°29	16°26	2°52	n.a.	S 14
S 15	20 33 53	6°24'19	16°12	12° 7	20°39	8°46	2°15	8°38	15°26	3°23	18°39	17°27	16°23	2°58	n.a.	S 15
M16	20 37 50	7°23'21	28°25	13°51	21°41	8°36	2°15	8°33	15°29	3°24	18°37	17°26	16°20	3° 5	n.a.	M16
T 17	20 41 46	8°22'25	10♏53	15°33	22°44	8°26	2°16	8°29	15°32	3°26	18°36	17°D26	16°17	3°12	n.a.	T 17
W18	20 45 43	9°21'30	23°42	17°15	23°47	8°14	2°17	8°24	15°34	3°27	18°35	17°26	16°14	3°18	n.a.	W18
T 19	20 49 39	10°20'38	6♐54	18°56	24°51	8° 2	2°18	8°19	15°37	3°29	18°34	17°28	16°10	3°25	n.a.	T 19
F 20	20 53 36	11°19'48	20°32	20°36	25°55	7°49	2°19	8°14	15°39	3°30	18°33	17°29	16° 7	3°32	n.a.	F 20
S 21	20 57 32	12°18'59	4♑38	22°15	26°59	7°36	2°20	8°10	15°42	3°32	18°31	17°30	16° 4	3°38	n.a.	S 21
S 22	21 1 29	13°18'13	19°10	23°53	28° 4	7°21	2°21	8° 5	15°44	3°33	18°30	17°R31	16° 1	3°45	n.a.	S 22
M23	21 5 26	14°17'28	4♒ 3	25°30	29° 8	7° 6	2°23	8° 0	15°46	3°35	18°29	17°30	15°58	3°52	n.a.	M23
T 24	21 9 22	15°16'46	19°11	27° 7	0♋13	6°50	2°25	7°56	15°49	3°36	18°28	17°28	15°55	3°58	n.a.	T 24
W25	21 13 19	16°16'06	4♓25	28°42	1°19	6°34	2°27	7°51	15°51	3°38	18°27	17°25	15°51	4° 5	n.a.	W25
T 26	21 17 15	17°15'28	19°33	0♍17	2°24	6°17	2°29	7°46	15°53	3°40	18°26	17°20	15°48	4°12	n.a.	T 26
F 27	21 21 12	18°14'53	4♈27	1°51	3°30	6° 0	2°32	7°42	15°55	3°41	18°25	17°16	15°45	4°18	n.a.	F 27
S 28	21 25 8	19°14'20	19° 0	3°24	4°36	5°42	2°34	7°37	15°57	3°43	18°24	17°12	15°42	4°25	n.a.	S 28
S 29	21 29 5	20°13'49	3♉ 7	4°57	5°43	5°23	2°37	7°32	16° 0	3°45	18°23	17°10	15°39	4°32	n.a.	S 29
M30	21 33 1	21°13'21	16°47	6°29	6°49	5° 4	2°40	7°28	16° 2	3°47	18°22	17°D 8	15°35	4°39	n.a.	M30
T 31	21 36 58	22♌12'56	0♊ 1	8♍ 0	7♋56	4♓45	2♐43	7♒23	16♊ 4	3♎48	18♑21	17♑ 9	15♑32	4♍45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	21n56	14n 2	5n16	24n37	1n46	18n30	3s23	12s40	4s54	21s17	0s14	20s10	2s 6	23n13	0n14	0n39	2n 5	35s38	13s16	22s42	22s46	7n49			n.a.
M 2	21 46	18 44	5 0	24 23	1 48	18 43	3 19	12 40	4 55	21 17	0 14	20 11	2 6	23 14	0 14	0 38	2 4	35 38	13 16	22 42	22 46	7 46			n.a.
T 3	21 36	22 23	4 28	24 8	1 49	18 57	3 14	12 41	4 57	21 16	0 14	20 13	2 6	23 14	0 14	0 38	2 4	35 38	13 16	22 42	22 47	7 43			n.a.
W 4	21 25	24 48	3 43	23 49	1 49	19 10	3 10	12 42	4 58	21 16	0 14	20 14	2 6	23 15	0 14	0 37	2 4	35 38	13 16	22 42	22 47	7 40			n.a.
T 5	21 14	25 54	2 48	23 29	1 49	19 24	3 5	12 43	4 59	21 16	0 14	20 15	2 6	23 15	0 14	0 37	2 4	35 39	13 16	22 42	22 48	7 37			n.a.
F 6	21 2	25 38	1 45	23 8	1 48	19 36	3 0	12 44	5 0	21 15	0 14	20 17	2 7	23 15	0 14	0 36	2 4	35 39	13 16	22 42	22 48	7 34			n.a.
S 7	20 50	24 6	0 39	22 44	1 46	19 49	2 56	12 46	5 1	21 15	0 15	20 18	2 7	23 16	0 14	0 36	2 4	35 39	13 16	22 42	22 49	7 31			n.a.
S 8	20 38	21 27	0s29	22 19	1 44	20 1	2 51	12 48	5 2	21 15	0 15	20 20	2 7	23 16	0 14	0 35	2 4	35 39	13 16	22 42	22 49	7 28			n.a.
M 9	20 25	17 54	1 34	21 52	1 42	20 13	2 46	12 50	5 3	21 15	0 15	20 21	2 7	23 16	0 14	0 35	2 4	35 39	13 16	22 42	22 49	7 25			n.a.
T 10	20 12	13 39	2 34	21 24	1 39	20 25	2 41	12 53	5 4	21 15	0 15	20 22	2 7	23 17	0 14	0 34	2 4	35 40	13 15	22 42	22 50	7 22			n.a.
W11	19 59	8 56	3 28	20 54	1 35	20 36	2 37	12 55	5 5	21 15	0 15	20 24	2 7	23 17	0 14	0 33	2 4	35 40	13 15	22 42	22 50	7 19			n.a.
T 12	19 45	3 55	4 12	20 23	1 32	20 46	2 32	12 58	5 5	21 15	0 15	20 25	2 7	23 17	0 14	0 33	2 4	35 40	13 15	22 43	22 51	7 16			n.a.
F 13	19 31	1s14	4 45	19 51	1 28	20 57	2 27	13 2	5 6	21 15	0 15	20 26	2 7	23 18	0 14	0 32	2 4	35 40	13 15	22 43	22 51	7 13			n.a.
S 14	19 16	6 22	5 7	19 18	1 23	21 7	2 22	13 5	5 6	21 15	0 15	20 28	2 7	23 18	0 14	0 32	2 4	35 40	13 15	22 43	22 51	7 10			n.a.
S 15	19 1	11 19	5 15	18 44	1 19	21 16	2 17	13 9	5 7	21 15	0 15	20 29	2 7	23 18	0 14	0 31	2 4	35 40	13 15	22 44	22 52	7 7			n.a.
M16	18 46	15 55	5 10	18 9	1 14	21 25	2 12	13 13	5 7	21 15	0 16	20 31	2 7	23 19	0 14	0 30	2 4	35 40	13 15	22 44	22 52	7 4			n.a.
T 17	18 31	19 56	4 49	17 34	1 9	21 34	2 7	13 17	5 7	21 16	0 16	20 32	2 8	23 19	0 14	0 30	2 4	35 40	13 15	22 44	22 53	7 1			n.a.
W18	18 15	23 9	4 15	16 57	1 3	21 42	2 2	13 21	5 7	21 16	0 16	20 33	2 8	23 19	0 14	0 29	2 3	35 41	13 15	22 44	22 53	6 58			n.a.
T 19	17 59	25 14	3 25	16 20	0 57	21 50	1 57	13 26	5 7	21 16	0 16	20 35	2 8	23 20	0 14	0 28	2 3	35 41	13 15	22 43	22 53	6 55			n.a.
F 20	17 42	25 55	2 23	15 43	0 52	21 57	1 52	13 31	5 7	21 16	0 16	20 36	2 8	23 20	0 14	0 28	2 3	35 41	13 15	22 43	22 54	6 52			n.a.
S 21	17 25	24 59	1 10	15 4	0 46	22 4	1 48	13 36	5 6	21 17	0 16	20 37	2 8	23 20	0 14	0 27	2 3	35 41	13 15	22 43	22 54	6 49			n.a.
S 22	17 8	22 20	0n 9	14 26	0 39	22 10	1 43	13 41	5 6	21 17	0 16	20 39	2 8	23 20	0 14	0 26	2 3	35 41	13 15	22 43	22 54	6 46			n.a.
M23	16 51	18 9	1 30	13 47	0 33	22 15	1 38	13 46	5 5	21 18	0 16	20 40	2 8	23 21	0 14	0 26	2 3	35 41	13 15	22 43	22 55	6 43			n.a.
T 24	16 33	12 44	2 45	13 7	0 27	22 20	1 33	13 51	5 4	21 18	0 16	20 41	2 8	23 21	0 14	0 25	2 3	35 41	13 14	22 43	22 55	6 40			n.a.
W25	16 15	6 31	3 49	12 27	0 20	22 25	1 28	13 57	5 4	21 19	0 16	20 42	2 8	23 21	0 14	0 24	2 3	35 41	13 14	22 44	22 56	6 37			n.a.
T 26	15 57	0n 1	4 37	11 47	0 13	22 29	1 23	14 2	5 3	21 19	0 17	20 44	2 8	23 21	0 14	0 24	2 3	35 41	13 14	22 44	22 56	6 34			n.a.
F 27	15 39	6 27	5 5	11 7	0 7	22 32	1 18	14 8	5 1	21 20	0 17	20 45	2 8	23 22	0 14	0 23	2 3	35 41	13 14	22 45	22 56	6 31			n.a.
S 28	15 20	12 22	5 12	10 26	0s 0	22 35	1 13	14 14	5 0	21 20	0 17	20 46	2 8	23 22	0 14	0 22	2 3	35 41	13 14	22 45	22 57	6 28			n.a.
S 29	15 1	17 28	5 1	9 46	0 7	22 37	1 9	14 19	4 59	21 21	0 17	20 47	2 8	23 22	0 14	0 21	2 3	35 41	13 14	22 46	22 57	6 25			n.a.
M30	14 42	21 30	4 32	9 5	0 14	22 39	1 4	14 25	4 57	21 22	0 17	20 49	2 8	23 22	0 14	0 21	2 3	35 41	13 14	22 46	22 57	6 22			n.a.
T 31	14n22	24n16	3n49	8n24	0s21	22n40	0s59	14s31	4s56	21s22	0s17	20s50	2s 8	23n23	0n14	0n20	2n 3	35s41	13s14	22s46	22s58	6n19			n.a.

Julian Day Number = 1116050.5, Delta T = 10h47m12s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'12, Lahiri = -26°49'12 Julian Calendar 1 Aug. 1658 BCE == Greg. Calendar 18 July 1658 BCE

The year -1657 astronomical counting style corresponds to year 1658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

SEPTEMBER 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 40 54	23♌12'33	12♊53	9♍30	9♋ 3	4°R25	2♐47	7°R19	16♊ 6	3♎50	18°R20	17♑10	15♑29	4♍52	n.a.	W 1
T 2	21 44 51	24°12'12	25°26	11° 0	10°10	4♓ 5	2°50	7♒14	16° 7	3°52	18♑19	17°11	15°26	4°59	n.a.	T 2
F 3	21 48 48	25°11'54	7♋44	12°29	11°18	3°44	2°54	7°10	16° 9	3°54	18°18	17°13	15°23	5° 5	n.a.	F 3
S 4	21 52 44	26°11'38	19°51	13°57	12°26	3°24	2°58	7° 6	16°11	3°56	18°17	17°R13	15°20	5°12	n.a.	S 4
S 5	21 56 41	27°11'25	1♌49	15°24	13°34	3° 3	3° 2	7° 1	16°13	3°58	18°16	17°12	15°16	5°19	n.a.	S 5
M 6	22 0 37	28°11'14	13°43	16°51	14°42	2°42	3° 7	6°57	16°15	4° 0	18°15	17° 9	15°13	5°25	n.a.	M 6
T 7	22 4 34	29°11'05	25°33	18°16	15°50	2°22	3°11	6°53	16°16	4° 2	18°14	17° 3	15°10	5°32	n.a.	T 7
W 8	22 8 30	0♍10'58	7♍23	19°41	16°58	2° 1	3°16	6°49	16°18	4° 3	18°13	16°56	15° 7	5°39	n.a.	W 8
T 9	22 12 27	1°10'53	19°14	21° 5	18° 7	1°40	3°21	6°45	16°19	4° 5	18°12	16°48	15° 4	5°45	n.a.	T 9
F 10	22 16 23	2°10'50	1♎ 7	22°28	19°16	1°19	3°26	6°41	16°21	4° 7	18°11	16°39	15° 1	5°52	n.a.	F 10
S 11	22 20 20	3°10'49	13° 4	23°51	20°25	0°59	3°31	6°37	16°22	4° 9	18°10	16°30	14°57	5°59	n.a.	S 11
S 12	22 24 16	4°10'50	25° 9	25°12	21°34	0°38	3°36	6°33	16°24	4°11	18°10	16°22	14°54	6° 6	n.a.	S 12
M13	22 28 13	5°10'53	7♏22	26°32	22°44	0°18	3°42	6°29	16°25	4°13	18° 9	16°17	14°51	6°12	n.a.	M13
T 14	22 32 10	6°10'58	19°49	27°51	23°53	29♒59	3°47	6°25	16°26	4°15	18° 8	16°13	14°48	6°19	n.a.	T 14
W15	22 36 6	7°11'05	2♐32	29° 9	25° 3	29°39	3°53	6°21	16°28	4°17	18° 7	16°D11	14°45	6°26	n.a.	W15
T 16	22 40 3	8°11'13	15°36	0♎26	26°13	29°20	3°59	6°18	16°29	4°20	18° 7	16°12	14°41	6°32	n.a.	T 16
F 17	22 43 59	9°11'23	29° 3	1°41	27°23	29° 2	4° 6	6°14	16°30	4°22	18° 6	16°12	14°38	6°39	n.a.	F 17
S 18	22 47 56	10°11'35	12♑58	2°54	28°33	28°44	4°12	6°10	16°31	4°24	18° 5	16°R13	14°35	6°46	n.a.	S 18
S 19	22 51 52	11°11'49	27°19	4° 6	29°43	28°27	4°18	6° 7	16°32	4°26	18° 4	16°13	14°32	6°52	n.a.	S 19
M20	22 55 49	12°12'04	12♒ 6	5°16	0♌54	28°10	4°25	6° 4	16°33	4°28	18° 4	16°10	14°29	6°59	n.a.	M20
T 21	22 59 45	13°12'21	27°13	6°24	2° 4	27°53	4°32	6° 0	16°34	4°30	18° 3	16° 5	14°26	7° 6	n.a.	T 21
W22	23 3 42	14°12'40	12♓31	7°30	3°15	27°38	4°39	5°57	16°35	4°32	18° 3	15°58	14°22	7°12	n.a.	W22
T 23	23 7 39	15°13'00	27°50	8°33	4°26	27°23	4°46	5°54	16°36	4°34	18° 2	15°49	14°19	7°19	n.a.	T 23
F 24	23 11 35	16°13'23	12♈57	9°33	5°37	27° 8	4°53	5°51	16°37	4°36	18° 1	15°39	14°16	7°26	n.a.	F 24
S 25	23 15 32	17°13'47	27°45	10°30	6°48	26°54	5° 1	5°48	16°37	4°39	18° 1	15°31	14°13	7°33	n.a.	S 25
S 26	23 19 28	18°14'14	12♉ 5	11°23	7°59	26°41	5° 8	5°45	16°38	4°41	18° 0	15°24	14°10	7°39	n.a.	S 26
M27	23 23 25	19°14'43	25°54	12°12	9°11	26°29	5°16	5°42	16°38	4°43	18° 0	15°19	14° 6	7°46	n.a.	M27
T 28	23 27 21	20°15'14	9♊14	12°57	10°22	26°18	5°24	5°40	16°39	4°45	17°59	15°16	14° 3	7°53	n.a.	T 28
W29	23 31 18	21°15'47	22° 7	13°36	11°34	26° 7	5°32	5°37	16°40	4°47	17°59	15°D16	14° 0	7°59	n.a.	W29
T 30	23 35 14	22♍16'22	4♋38	14♎10	12♌46	25♒57	5♐40	5♒35	16♊40	4♎50	17♑58	15♑16	13♑57	8♍ 6	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14n 2	25n41	2n56	7n43	0s28	22n40	0s54	14s37	4s54	21s23	0s17	20s51	2s 8	23n23	0n14	0n19	2n 3	35s41	13s13	22s46	22s58	6n16		n.a.
T 2	13 42	25 44	1 56	7 2	0 35	22 40	0 50	14 42	4 52	21 24	0 17	20 52	2 8	23 23	0 14	0 18	2 3	35 41	13 13	22 46	22 59	6 13		n.a.
F 3	13 22	24 31	0 51	6 21	0 42	22 39	0 45	14 48	4 50	21 25	0 17	20 53	2 8	23 23	0 14	0 18	2 3	35 41	13 13	22 45	22 59	6 10		n.a.
S 4	13 1	22 9	0s14	5 40	0 50	22 37	0 40	14 54	4 47	21 26	0 17	20 54	2 8	23 24	0 14	0 17	2 3	35 41	13 13	22 45	22 59	6 7		n.a.
S 5	12 41	18 51	1 19	4 59	0 57	22 35	0 36	14 59	4 45	21 27	0 17	20 55	2 8	23 24	0 14	0 16	2 3	35 41	13 13	22 46	23 0	6 4		n.a.
M 6	12 20	14 48	2 19	4 19	1 4	22 33	0 31	15 5	4 43	21 27	0 17	20 57	2 8	23 24	0 14	0 15	2 3	35 41	13 13	22 46	23 0	6 1		n.a.
T 7	11 58	10 13	3 13	3 38	1 11	22 29	0 27	15 10	4 40	21 28	0 18	20 58	2 8	23 24	0 14	0 14	2 3	35 41	13 12	22 47	23 0	5 58		n.a.
W 8	11 37	5 17	3 58	2 58	1 18	22 25	0 22	15 15	4 37	21 29	0 18	20 59	2 8	23 24	0 14	0 14	2 2	35 41	13 12	22 48	23 1	5 55		n.a.
T 9	11 15	0 10	4 33	2 18	1 24	22 20	0 18	15 20	4 34	21 30	0 18	21 0	2 8	23 25	0 14	0 13	2 2	35 41	13 12	22 49	23 1	5 52		n.a.
F 10	10 54	4s58	4 56	1 39	1 31	22 15	0 14	15 25	4 32	21 32	0 18	21 1	2 8	23 25	0 14	0 12	2 2	35 41	13 12	22 50	23 2	5 49		n.a.
S 11	10 32	9 57	5 7	1 0	1 38	22 9	0 9	15 30	4 28	21 33	0 18	21 2	2 8	23 25	0 14	0 11	2 2	35 41	13 12	22 51	23 2	5 46		n.a.
S 12	10 9	14 36	5 4	0 21	1 44	22 2	0 5	15 34	4 25	21 34	0 18	21 3	2 8	23 25	0 14	0 10	2 2	35 41	13 11	22 52	23 2	5 43		n.a.
M13	9 47	18 44	4 47	0s17	1 51	21 55	0 1	15 39	4 22	21 35	0 18	21 4	2 8	23 25	0 14	0 9	2 2	35 41	13 11	22 53	23 3	5 40		n.a.
T 14	9 25	22 8	4 16	0 55	1 57	21 47	0n 3	15 43	4 19	21 36	0 18	21 5	2 8	23 25	0 14	0 9	2 2	35 41	13 11	22 53	23 3	5 37		n.a.
W15	9 2	24 32	3 33	1 32	2 3	21 38	0 7	15 46	4 15	21 37	0 18	21 5	2 8	23 26	0 14	0 8	2 2	35 41	13 11	22 53	23 3	5 34		n.a.
T 16	8 39	25 42	2 37	2 8	2 9	21 29	0 11	15 50	4 12	21 38	0 18	21 6	2 8	23 26	0 15	0 7	2 2	35 41	13 11	22 53	23 4	5 31		n.a.
F 17	8 16	25 24	1 31	2 44	2 15	21 19	0 15	15 53	4 8	21 40	0 18	21 7	2 7	23 26	0 15	0 6	2 2	35 40	13 10	22 53	23 4	5 28		n.a.
S 18	7 53	23 32	0 18	3 19	2 20	21 9	0 19	15 56	4 4	21 41	0 18	21 8	2 7	23 26	0 15	0 5	2 2	35 40	13 10	22 53	23 4	5 25		n.a.
S 19	7 30	20 7	0n59	3 52	2 25	20 58	0 23	15 59	4 0	21 42	0 19	21 9	2 7	23 26	0 15	0 4	2 2	35 40	13 10	22 53	23 5	5 22		n.a.
M20	7 7	15 21	2 14	4 25	2 30	20 46	0 26	16 1	3 57	21 44	0 19	21 10	2 7	23 26	0 15	0 3	2 2	35 40	13 10	22 53	23 5	5 19		n.a.
T 21	6 43	9 31	3 21	4 56	2 34	20 34	0 30	16 4	3 53	21 45	0 19	21 10	2 7	23 26	0 15	0 2	2 2	35 40	13 9	22 54	23 5	5 16		n.a.
W22	6 20	3 5	4 14	5 27	2 38	20 21	0 34	16 5	3 49	21 46	0 19	21 11	2 7	23 26	0 15	0 2	2 2	35 40	13 9	22 55	23 6	5 13		n.a.
T 23	5 56	3n32	4 49	5 55	2 42	20 7	0 37	16 7	3 45	21 48	0 19	21 12	2 7	23 27	0 15	0 1	2 2	35 40	13 9	22 56	23 6	5 10		n.a.
F 24	5 32	9 51	5 4	6 22	2 45	19 53	0 41	16 8	3 41	21 49	0 19	21 13	2 7	23 27	0 15	0s 0	2 2	35 40	13 9	22 57	23 7	5 7		n.a.
S 25	5 8	15 28	4 57	6 47	2 47	19 38	0 44	16 10	3 37	21 51	0 19	21 13	2 7	23 27	0 15	0 1	2 2	35 39	13 9	22 58	23 7	5 4		n.a.
S 26	4 44	20 3	4 32	7 10	2 49	19 22	0 47	16 10	3 33	21 52	0 19	21 14	2 7	23 27	0 15	0 2	2 2	35 39	13 8	22 59	23 7	5 1		n.a.
M27	4 20	23 20	3 52	7 31	2 51	19 6	0 51	16 11	3 29	21 54	0 19	21 14	2 7	23 27	0 15	0 3	2 2	35 39	13 8	22 59	23 8	4 58		n.a.
T 28	3 56	25 13	3 0	7 49	2 51	18 50	0 54	16 11	3 25	21 55	0 19	21 15	2 7	23 27	0 15	0 4	2 2	35 39	13 8	23 0	23 8	4 55		n.a.
W29	3 32	25 39	2 0	8 5	2 51	18 33	0 57	16 11	3 21	21 57	0 19	21 16	2 6	23 27	0 15	0 5	2 2	35 39	13 8	23 0	23 8	4 52		n.a.
T 30	3n 7	24n45	0n56	8s17	2s49	18n15	1n 0	16s11	3s16	21s58	0s19	21s16	2s 6	23n27	0n15	0s 6	2n 2	35s38	13s 7	23s 0	23s 9	4n49		n.a.

Julian Day Number = 1116081.5, Delta T = 10h47m10s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'08, Lahiri = -26°49'08 Julian Calendar 1 Sept. 1658 BCE == Greg. Calendar 18 Aug. 1658 BCE

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

OCTOBER 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 39 11	23♍16'58	16♋51	14♎38	13♌58	25°R48	5♐49	5°R32	16♊40	4♎52	17°R58	15°R16	13♑54	8♍13	n.a.	F 1
S 2	23 43 8	24°17'37	28°51	14°59	15°10	25♒39	5°57	5♒30	16°41	4°54	17♑58	15♑15	13°51	8°19	n.a.	S 2
S 3	23 47 4	25°18'18	10♌44	15°12	16°22	25°32	6° 6	5°28	16°41	4°56	17°57	15°12	13°47	8°26	n.a.	S 3
M 4	23 51 1	26°19'01	22°33	15°R16	17°34	25°25	6°14	5°26	16°41	4°59	17°57	15° 6	13°44	8°33	n.a.	M 4
T 5	23 54 57	27°19'45	4♍22	15°12	18°46	25°19	6°23	5°24	16°41	5° 1	17°57	14°58	13°41	8°40	n.a.	T 5
W 6	23 58 54	28°20'31	16°13	14°58	19°59	25°14	6°32	5°22	16°41	5° 3	17°56	14°46	13°38	8°46	n.a.	W 6
T 7	0 2 50	29°21'18	28° 8	14°33	21°11	25° 9	6°42	5°20	16°R41	5° 5	17°56	14°32	13°35	8°53	n.a.	T 7
F 8	0 6 47	0♎22'07	10♎ 8	13°59	22°24	25° 6	6°51	5°18	16°41	5° 8	17°56	14°18	13°32	9° 0	n.a.	F 8
S 9	0 10 43	1°22'57	22°15	13°13	23°37	25° 3	7° 0	5°17	16°41	5°10	17°56	14° 4	13°28	9° 6	n.a.	S 9
S 10	0 14 40	2°23'49	4♏28	12°18	24°49	25° 1	7°10	5°15	16°41	5°12	17°55	13°51	13°25	9°13	n.a.	S 10
M11	0 18 36	3°24'43	16°51	11°14	26° 2	25° 0	7°19	5°14	16°41	5°14	17°55	13°41	13°22	9°20	n.a.	M11
T 12	0 22 33	4°25'37	29°24	10° 2	27°15	25°D 0	7°29	5°12	16°41	5°17	17°55	13°34	13°19	9°26	n.a.	T 12
W13	0 26 30	5°26'33	12♐ 9	8°44	28°28	25° 1	7°39	5°11	16°41	5°19	17°55	13°29	13°16	9°33	n.a.	W13
T 14	0 30 26	6°27'29	25°11	7°22	29°41	25° 2	7°49	5°10	16°40	5°21	17°55	13°28	13°12	9°40	n.a.	T 14
F 15	0 34 23	7°28'27	8♑31	6° 0	0♍55	25° 4	7°59	5° 9	16°40	5°23	17°55	13°27	13° 9	9°47	n.a.	F 15
S 16	0 38 19	8°29'26	22°13	4°40	2° 8	25° 7	8° 9	5° 8	16°39	5°26	17°55	13°27	13° 6	9°53	n.a.	S 16
S 17	0 42 16	9°30'25	6♒19	3°25	3°21	25°11	8°20	5° 8	16°39	5°28	17°D55	13°26	13° 3	10° 0	n.a.	S 17
M18	0 46 12	10°31'26	20°48	2°17	4°35	25°15	8°30	5° 7	16°38	5°30	17°55	13°22	13° 0	10° 7	n.a.	M18
T 19	0 50 9	11°32'27	5♓37	1°17	5°48	25°21	8°41	5° 7	16°38	5°32	17°55	13°16	12°57	10°13	n.a.	T 19
W20	0 54 5	12°33'29	20°41	0°28	7° 2	25°27	8°51	5° 6	16°37	5°35	17°55	13° 7	12°53	10°20	n.a.	W20
T 21	0 58 2	13°34'32	5♈50	29♍51	8°15	25°33	9° 2	5° 6	16°36	5°37	17°55	12°56	12°50	10°27	n.a.	T 21
F 22	1 1 59	14°35'36	20°55	29°24	9°29	25°41	9°13	5° 6	16°35	5°39	17°55	12°44	12°47	10°33	n.a.	F 22
S 23	1 5 55	15°36'42	5♉44	29° 9	10°43	25°49	9°24	5°D 6	16°35	5°41	17°55	12°32	12°44	10°40	n.a.	S 23
S 24	1 9 52	16°37'48	20° 9	29°D 6	11°56	25°57	9°35	5° 6	16°34	5°44	17°56	12°22	12°41	10°47	n.a.	S 24
M25	1 13 48	17°38'56	4♊ 6	29°12	13°10	26° 7	9°46	5° 6	16°33	5°46	17°56	12°15	12°37	10°54	n.a.	M25
T 26	1 17 45	18°40'04	17°34	29°29	14°24	26°17	9°58	5° 6	16°32	5°48	17°56	12°11	12°34	11° 0	n.a.	T 26
W27	1 21 41	19°41'14	0♋33	29°54	15°38	26°27	10° 9	5° 6	16°31	5°50	17°56	12° 9	12°31	11° 7	n.a.	W27
T 28	1 25 38	20°42'25	13° 8	0♎27	16°52	26°38	10°20	5° 7	16°30	5°52	17°56	12°D 9	12°28	11°14	n.a.	T 28
F 29	1 29 35	21°43'37	25°23	1° 7	18° 6	26°50	10°32	5° 7	16°29	5°55	17°57	12°R 9	12°25	11°20	n.a.	F 29
S 30	1 33 31	22°44'50	7♌24	1°54	19°20	27° 3	10°44	5° 8	16°27	5°57	17°57	12° 8	12°22	11°27	n.a.	S 30
S 31	1 37 28	23♎46'04	19♌17	2♎46	20♍34	27♒16	10♐55	5♒ 9	16♊26	5♎59	17♑57	12♑ 5	12♑18	11♍34	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n43	22n40	0s 8	8s26	2s47	17n57	1n 3	16s10	3s12	22s 0	0s19	21s17	2s 6	23n27	0n15	0s 7	2n 2	35s38	13s 7	23s 0	23s 9	4n46		n.a.
S 2	2 18	19 36	1 12	8 31	2 43	17 38	1 5	16 9	3 8	22 1	0 19	21 17	2 6	23 27	0 15	0 7	2 2	35 38	13 7	23 0	23 9	4 43		n.a.
S 3	1 54	15 46	2 11	8 31	2 39	17 19	1 8	16 8	3 4	22 3	0 20	21 17	2 6	23 27	0 15	0 8	2 2	35 38	13 7	23 0	23 10	4 40		n.a.
M 4	1 29	11 21	3 4	8 27	2 32	16 59	1 11	16 7	3 0	22 5	0 20	21 18	2 6	23 27	0 15	0 9	2 2	35 38	13 6	23 1	23 10	4 37		n.a.
T 5	1 5	6 32	3 49	8 19	2 25	16 38	1 13	16 5	2 56	22 6	0 20	21 18	2 6	23 27	0 15	0 10	2 2	35 37	13 6	23 2	23 10	4 34		n.a.
W 6	0 40	1 29	4 24	8 4	2 15	16 18	1 16	16 3	2 52	22 8	0 20	21 19	2 6	23 27	0 15	0 11	2 2	35 37	13 6	23 3	23 11	4 31		n.a.
T 7	0 16	3s38	4 48	7 44	2 4	15 56	1 18	16 1	2 48	22 10	0 20	21 19	2 5	23 27	0 15	0 12	2 2	35 37	13 5	23 5	23 11	4 28		n.a.
F 8	0s 9	8 39	4 59	7 19	1 51	15 34	1 21	15 58	2 44	22 11	0 20	21 19	2 5	23 28	0 15	0 13	2 2	35 37	13 5	23 6	23 11	4 25		n.a.
S 9	0 34	13 24	4 57	6 47	1 37	15 12	1 23	15 55	2 40	22 13	0 20	21 20	2 5	23 28	0 15	0 14	2 2	35 37	13 5	23 8	23 12	4 22		n.a.
S 10	0 58	17 39	4 41	6 10	1 20	14 49	1 25	15 52	2 36	22 15	0 20	21 20	2 5	23 28	0 15	0 15	2 2	35 36	13 5	23 9	23 12	4 19		n.a.
M11	1 23	21 12	4 12	5 28	1 2	14 26	1 27	15 49	2 33	22 16	0 20	21 20	2 5	23 28	0 15	0 16	2 2	35 36	13 4	23 10	23 12	4 16		n.a.
T 12	1 47	23 49	3 30	4 42	0 43	14 2	1 29	15 46	2 29	22 18	0 20	21 20	2 5	23 28	0 15	0 17	2 2	35 36	13 4	23 11	23 13	4 13		n.a.
W13	2 12	25 16	2 37	3 52	0 23	13 38	1 31	15 42	2 25	22 20	0 20	21 20	2 5	23 28	0 15	0 18	2 2	35 36	13 4	23 11	23 13	4 10		n.a.
T 14	2 37	25 23	1 35	3 1	0 2	13 14	1 33	15 38	2 21	22 21	0 20	21 20	2 4	23 28	0 15	0 18	2 2	35 35	13 4	23 12	23 13	4 7		n.a.
F 15	3 1	24 3	0 26	2 9	0n18	12 49	1 34	15 34	2 17	22 23	0 20	21 21	2 4	23 27	0 15	0 19	2 2	35 35	13 3	23 12	23 13	4 4		n.a.
S 16	3 26	21 15	0n46	1 18	0 38	12 24	1 36	15 29	2 14	22 25	0 20	21 21	2 4	23 27	0 15	0 20	2 2	35 35	13 3	23 12	23 14	4 1		n.a.
S 17	3 50	17 9	1 58	0 30	0 58	11 58	1 37	15 24	2 10	22 27	0 21	21 21	2 4	23 27	0 15	0 21	2 2	35 34	13 3	23 12	23 14	3 58		n.a.
M18	4 14	11 56	3 3	0n14	1 16	11 32	1 39	15 20	2 7	22 28	0 21	21 21	2 4	23 27	0 15	0 22	2 2	35 34	13 2	23 12	23 14	3 55		n.a.
T 19	4 39	5 56	3 58	0 53	1 32	11 6	1 40	15 14	2 3	22 30	0 21	21 21	2 4	23 27	0 15	0 23	2 2	35 34	13 2	23 13	23 15	3 52		n.a.
W20	5 3	0n29	4 38	1 26	1 46	10 39	1 41	15 9	2 0	22 32	0 21	21 21	2 4	23 27	0 15	0 24	2 2	35 34	13 2	23 14	23 15	3 49		n.a.
T 21	5 27	6 54	4 58	1 52	1 59	10 12	1 42	15 4	1 56	22 34	0 21	21 21	2 3	23 27	0 15	0 25	2 2	35 33	13 2	23 15	23 15	3 46		n.a.
F 22	5 51	12 53	4 57	2 13	2 9	9 45	1 44	14 58	1 53	22 36	0 21	21 20	2 3	23 27	0 15	0 26	2 2	35 33	13 1	23 16	23 16	3 43		n.a.
S 23	6 15	18 0	4 36	2 26	2 18	9 18	1 44	14 52	1 50	22 37	0 21	21 20	2 3	23 27	0 15	0 27	2 2	35 33	13 1	23 17	23 16	3 40		n.a.
S 24	6 39	21 55	3 58	2 34	2 24	8 50	1 45	14 46	1 46	22 39	0 21	21 20	2 3	23 27	0 15	0 27	2 2	35 32	13 1	23 18	23 16	3 37		n.a.
M25	7 3	24 25	3 6	2 36	2 29	8 22	1 46	14 40	1 43	22 41	0 21	21 20	2 3	23 27	0 15	0 28	2 2	35 32	13 0	23 19	23 17	3 34		n.a.
T 26	7 27	25 23	2 6	2 32	2 33	7 53	1 47	14 33	1 40	22 43	0 21	21 20	2 3	23 27	0 15	0 29	2 2	35 32	13 0	23 19	23 17	3 32		n.a.
W27	7 50	24 54	1 1	2 24	2 35	7 25	1 47	14 27	1 37	22 44	0 21	21 19	2 2	23 27	0 15	0 30	2 2	35 31	13 0	23 19	23 17	3 29		n.a.
T 28	8 14	23 8	0s 5	2 11	2 35	6 56	1 48	14 20	1 34	22 46	0 21	21 19	2 2	23 27	0 16	0 31	2 2	35 31	13 0	23 19	23 18	3 26		n.a.
F 29	8 37	20 19	1 10	1 54	2 35	6 27	1 48	14 13	1 31	22 48	0 21	21 19	2 2	23 27	0 16	0 32	2 2	35 31	12 59	23 19	23 18	3 23		n.a.
S 30	9 1	16 41	2 9	1 34	2 33	5 57	1 49	14 6	1 28	22 50	0 21	21 19	2 2	23 27	0 16	0 33	2 2	35 30	12 59	23 19	23 18	3 20		n.a.
S 31	9s24	12n25	3s 3	1n11	2n31	5n28	1n49	13s58	1s25	22s51	0s22	21s18	2s 2	23n26	0n16	0s34	2n 2	35s30	12s59	23s20	23s18	3n17		n.a.

Julian Day Number = 1116111.5, Delta T = 10h47m08s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'04, Lahiri = -26°49'04 Julian Calendar 1 Oct. 1658 BCE == Greg. Calendar 17 Sept. 1658 BCE

The year -1657 astronomical counting style corresponds to year 1658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

NOVEMBER 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 41 24	24♎47'19	1♍ 6	3♎43	21♍49	27♒29	11♐ 7	5♒10	16°R25	6♎ 1	17♑58	12°R 0	12♑15	11♍40	n.a.	M 1
T 2	1 45 21	25°48'35	12°55	4°44	23° 3	27°44	11°19	5°11	16♊23	6° 3	17°58	11♑52	12°12	11°47	n.a.	T 2
W 3	1 49 17	26°49'51	24°49	5°49	24°17	27°58	11°31	5°12	16°22	6° 6	17°59	11°41	12° 9	11°54	n.a.	W 3
T 4	1 53 14	27°51'09	6♎49	6°57	25°32	28°14	11°43	5°13	16°21	6° 8	17°59	11°28	12° 6	12° 1	n.a.	T 4
F 5	1 57 10	28°52'26	18°58	8° 8	26°46	28°29	11°55	5°15	16°19	6°10	18° 0	11°14	12° 3	12° 7	n.a.	F 5
S 6	2 1 7	29°53'45	1♏17	9°22	28° 0	28°46	12° 8	5°16	16°18	6°12	18° 0	11° 0	11°59	12°14	n.a.	S 6
S 7	2 5 4	0♏55'03	13°46	10°38	29°15	29° 3	12°20	5°18	16°16	6°14	18° 1	10°47	11°56	12°21	n.a.	S 7
M 8	2 9 0	1°56'23	26°25	11°55	0♎29	29°20	12°32	5°19	16°14	6°16	18° 1	10°37	11°53	12°27	n.a.	M 8
T 9	2 12 57	2°57'42	9♐14	13°15	1°44	29°38	12°45	5°21	16°13	6°18	18° 2	10°30	11°50	12°34	n.a.	T 9
W10	2 16 53	3°59'02	22°14	14°35	2°58	29°56	12°57	5°23	16°11	6°20	18° 2	10°26	11°47	12°41	n.a.	W10
T 11	2 20 50	5° 0'22	5♑25	15°57	4°13	0♓15	13°10	5°25	16° 9	6°22	18° 3	10°D25	11°43	12°48	n.a.	T 11
F 12	2 24 46	6° 1'41	18°50	17°20	5°27	0°34	13°23	5°27	16° 8	6°24	18° 4	10°25	11°40	12°54	n.a.	F 12
S 13	2 28 43	7° 3'01	2♒30	18°44	6°42	0°54	13°36	5°29	16° 6	6°26	18° 4	10°R25	11°37	13° 1	n.a.	S 13
S 14	2 32 39	8° 4'20	16°26	20° 9	7°56	1°14	13°48	5°32	16° 4	6°28	18° 5	10°25	11°34	13° 8	n.a.	S 14
M15	2 36 36	9° 5'39	0♓38	21°35	9°11	1°34	14° 1	5°34	16° 2	6°30	18° 6	10°23	11°31	13°14	n.a.	M15
T 16	2 40 33	10° 6'58	15° 5	23° 2	10°26	1°55	14°14	5°37	16° 0	6°32	18° 6	10°19	11°28	13°21	n.a.	T 16
W17	2 44 29	11° 8'17	29°44	24°29	11°40	2°16	14°27	5°39	15°58	6°34	18° 7	10°12	11°24	13°28	n.a.	W17
T 18	2 48 26	12° 9'35	14♈28	25°56	12°55	2°38	14°40	5°42	15°56	6°36	18° 8	10° 3	11°21	13°34	n.a.	T 18
F 19	2 52 22	13°10'53	29°10	27°25	14°10	3° 0	14°53	5°45	15°54	6°38	18° 9	9°53	11°18	13°41	n.a.	F 19
S 20	2 56 19	14°12'11	13♉42	28°54	15°24	3°22	15° 7	5°48	15°52	6°40	18°10	9°44	11°15	13°48	n.a.	S 20
S 21	3 0 15	15°13'29	27°58	0♏23	16°39	3°45	15°20	5°51	15°50	6°42	18°11	9°36	11°12	13°55	n.a.	S 21
M22	3 4 12	16°14'47	11♊50	1°53	17°54	4° 8	15°33	5°54	15°48	6°44	18°11	9°31	11° 9	14° 1	n.a.	M22
T 23	3 8 9	17°16'05	25°18	3°23	19° 9	4°31	15°47	5°57	15°45	6°46	18°12	9°27	11° 5	14° 8	n.a.	T 23
W24	3 12 5	18°17'23	8♋21	4°53	20°23	4°55	16° 0	6° 1	15°43	6°47	18°13	9°D26	11° 2	14°15	n.a.	W24
T 25	3 16 2	19°18'40	21° 0	6°24	21°38	5°19	16°13	6° 4	15°41	6°49	18°14	9°27	10°59	14°21	n.a.	T 25
F 26	3 19 58	20°19'58	3♌20	7°56	22°53	5°43	16°27	6° 8	15°39	6°51	18°15	9°28	10°56	14°28	n.a.	F 26
S 27	3 23 55	21°21'15	15°25	9°28	24° 8	6° 8	16°40	6°11	15°36	6°53	18°16	9°29	10°53	14°35	n.a.	S 27
S 28	3 27 51	22°22'32	27°20	11° 0	25°23	6°33	16°54	6°15	15°34	6°54	18°17	9°R29	10°49	14°42	n.a.	S 28
M29	3 31 48	23°23'49	9♍11	12°33	26°38	6°58	17° 8	6°19	15°32	6°56	18°18	9°28	10°46	14°48	n.a.	M29
T 30	3 35 45	24♏25'06	21♍ 2	14♏ 6	27♎52	7♓24	17♐21	6♒23	15♊29	6♎58	18♑19	9♑24	10♑43	14♍55	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9s47	7n44	3s48	0n45	2n28	4n58	1n49	13s51	1s22	22s53	0s22	21s18	2s 2	23n26	0n16	0s34	2n 2	35s30	12s58	23s20	23s19	3n14		n.a.
T 2	10 9	2 47	4 24	0 17	2 24	4 29	1 49	13 43	1 19	22 55	0 22	21 17	2 2	23 26	0 16	0 35	2 2	35 30	12 58	23 21	23 19	3 11		n.a.
W 3	10 32	2s18	4 48	0s13	2 20	3 59	1 49	13 36	1 16	22 57	0 22	21 17	2 1	23 26	0 16	0 36	2 2	35 29	12 58	23 22	23 19	3 8		n.a.
T 4	10 54	7 20	5 0	0 45	2 15	3 28	1 49	13 28	1 14	22 59	0 22	21 17	2 1	23 26	0 16	0 37	2 2	35 29	12 58	23 23	23 20	3 5		n.a.
F 5	11 17	12 8	4 58	1 18	2 10	2 58	1 49	13 20	1 11	23 0	0 22	21 16	2 1	23 26	0 16	0 38	2 2	35 28	12 57	23 24	23 20	3 2		n.a.
S 6	11 39	16 32	4 42	1 53	2 4	2 28	1 49	13 11	1 8	23 2	0 22	21 16	2 1	23 26	0 16	0 39	2 2	35 28	12 57	23 25	23 20	2 59		n.a.
S 7	12 1	20 17	4 13	2 29	1 58	1 57	1 48	13 3	1 6	23 4	0 22	21 15	2 1	23 26	0 16	0 39	2 2	35 28	12 57	23 26	23 20	2 56		n.a.
M 8	12 22	23 8	3 31	3 5	1 52	1 27	1 48	12 54	1 3	23 5	0 22	21 14	2 1	23 25	0 16	0 40	2 2	35 27	12 57	23 27	23 21	2 53		n.a.
T 9	12 44	24 51	2 38	3 42	1 45	0 56	1 47	12 46	1 1	23 7	0 22	21 14	2 0	23 25	0 16	0 41	2 2	35 27	12 56	23 28	23 21	2 50		n.a.
W10	13 5	25 14	1 35	4 20	1 39	0 26	1 47	12 37	0 58	23 9	0 22	21 13	2 0	23 25	0 16	0 42	2 2	35 27	12 56	23 28	23 21	2 47		n.a.
T 11	13 26	24 13	0 27	4 59	1 32	0s 5	1 46	12 28	0 56	23 11	0 22	21 12	2 0	23 25	0 16	0 43	2 2	35 26	12 56	23 28	23 22	2 44		n.a.
F 12	13 47	21 48	0n45	5 38	1 25	0 36	1 46	12 19	0 54	23 12	0 22	21 12	2 0	23 25	0 16	0 43	2 2	35 26	12 55	23 28	23 22	2 41		n.a.
S 13	14 7	18 6	1 55	6 17	1 18	1 7	1 45	12 9	0 51	23 14	0 23	21 11	2 0	23 25	0 16	0 44	2 2	35 26	12 55	23 28	23 22	2 38		n.a.
S 14	14 28	13 21	3 0	6 56	1 11	1 37	1 44	12 0	0 49	23 16	0 23	21 10	2 0	23 24	0 16	0 45	2 2	35 25	12 55	23 28	23 22	2 35		n.a.
M15	14 48	7 48	3 55	7 35	1 4	2 8	1 43	11 50	0 47	23 17	0 23	21 10	1 59	23 24	0 16	0 46	2 2	35 25	12 55	23 28	23 23	2 32		n.a.
T 16	15 7	1 45	4 36	8 14	0 57	2 39	1 42	11 41	0 44	23 19	0 23	21 9	1 59	23 24	0 16	0 46	2 2	35 25	12 54	23 29	23 23	2 29		n.a.
W17	15 27	4n27	4 59	8 54	0 49	3 9	1 41	11 31	0 42	23 21	0 23	21 8	1 59	23 24	0 16	0 47	2 2	35 24	12 54	23 29	23 23	2 26		n.a.
T 18	15 46	10 27	5 3	9 33	0 42	3 40	1 40	11 21	0 40	23 22	0 23	21 7	1 59	23 24	0 16	0 48	2 3	35 24	12 54	23 30	23 24	2 23		n.a.
F 19	16 5	15 51	4 48	10 12	0 35	4 11	1 38	11 11	0 38	23 24	0 23	21 6	1 59	23 23	0 16	0 49	2 3	35 23	12 54	23 31	23 24	2 20		n.a.
S 20	16 24	20 16	4 13	10 51	0 28	4 41	1 37	11 1	0 36	23 25	0 23	21 5	1 59	23 23	0 16	0 49	2 3	35 23	12 53	23 31	23 24	2 17		n.a.
S 21	16 42	23 22	3 23	11 30	0 21	5 12	1 36	10 51	0 34	23 27	0 23	21 4	1 59	23 23	0 16	0 50	2 3	35 23	12 53	23 32	23 24	2 14		n.a.
M22	17 0	24 59	2 23	12 8	0 13	5 42	1 34	10 40	0 32	23 28	0 23	21 3	1 58	23 23	0 16	0 51	2 3	35 22	12 53	23 32	23 25	2 11		n.a.
T 23	17 18	25 3	1 15	12 46	0 6	6 12	1 33	10 30	0 30	23 30	0 23	21 3	1 58	23 23	0 16	0 52	2 3	35 22	12 53	23 33	23 25	2 8		n.a.
W24	17 36	23 43	0 6	13 24	0s 0	6 42	1 31	10 19	0 28	23 31	0 23	21 2	1 58	23 22	0 16	0 52	2 3	35 22	12 52	23 33	23 25	2 5		n.a.
T 25	17 53	21 12	1s 2	14 1	0 7	7 12	1 30	10 9	0 26	23 33	0 24	21 1	1 58	23 22	0 16	0 53	2 3	35 21	12 52	23 33	23 25	2 2		n.a.
F 26	18 10	17 45	2 5	14 38	0 14	7 42	1 28	9 58	0 25	23 34	0 24	20 59	1 58	23 22	0 16	0 54	2 3	35 21	12 52	23 33	23 26	1 59		n.a.
S 27	18 26	13 38	3 2	15 15	0 21	8 12	1 26	9 47	0 23	23 36	0 24	20 58	1 58	23 22	0 16	0 54	2 3	35 20	12 52	23 33	23 26	1 56		n.a.
S 28	18 42	9 2	3 49	15 50	0 27	8 41	1 25	9 36	0 21	23 37	0 24	20 57	1 58	23 21	0 16	0 55	2 3	35 20	12 52	23 32	23 26	1 53		n.a.
M29	18 58	4 10	4 27	16 26	0 34	9 10	1 23	9 25	0 19	23 39	0 24	20 56	1 57	23 21	0 16	0 56	2 3	35 20	12 51	23 33	23 27	1 50		n.a.
T 30	19s14	0s51	4s53	17s 0	0s40	9s39	1n21	9s14	0s18	23s40	0s24	20s55	1s57	23n21	0n16	0s56	2n 3	35s19	12s51	23s33	23s27	1n47		n.a.

Julian Day Number = 1116142.5, Delta T = 10h47m07s
Ecliptic obliquity = 23°53'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°56'00, Lahiri = -26°48'59 Julian Calendar 1 Nov. 1658 BCE == Greg. Calendar 18 Oct. 1658 BCE

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ASTRODIENST EPHEMERIS for the year 1658 BCE
geocentric

DECEMBER 1658 BCE (-1657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 39 41	25♏26'22	2♎58	15♏40	29♎ 7	7♓49	17♐35	6♒27	15°R27	6♎59	18♑20	9°R18	10♑40	15♍ 2	n.a.	W 1
T 2	3 43 38	26°27'38	15° 3	17°14	0♏22	8°15	17°49	6°31	15♊24	7° 1	18°21	9♑11	10°37	15° 8	n.a.	T 2
F 3	3 47 34	27°28'54	27°20	18°48	1°37	8°42	18° 3	6°35	15°22	7° 3	18°23	9° 3	10°34	15°15	n.a.	F 3
S 4	3 51 31	28°30'09	9♏50	20°23	2°52	9° 8	18°16	6°39	15°19	7° 4	18°24	8°55	10°30	15°22	n.a.	S 4
S 5	3 55 27	29°31'23	22°34	21°59	4° 7	9°35	18°30	6°44	15°17	7° 6	18°25	8°48	10°27	15°29	n.a.	S 5
M 6	3 59 24	0♐32'37	5♐32	23°35	5°21	10° 2	18°44	6°48	15°15	7° 7	18°26	8°42	10°24	15°35	n.a.	M 6
T 7	4 3 20	1°33'50	18°43	25°11	6°36	10°30	18°58	6°53	15°12	7° 9	18°27	8°39	10°21	15°42	n.a.	T 7
W 8	4 7 17	2°35'02	2♑ 7	26°48	7°51	10°57	19°12	6°57	15° 9	7°10	18°28	8°D37	10°18	15°49	n.a.	W 8
T 9	4 11 14	3°36'13	15°41	28°26	9° 6	11°25	19°26	7° 2	15° 7	7°12	18°30	8°37	10°15	15°55	n.a.	T 9
F 10	4 15 10	4°37'23	29°25	0♐ 4	10°21	11°53	19°40	7° 7	15° 4	7°13	18°31	8°38	10°11	16° 2	n.a.	F 10
S 11	4 19 7	5°38'32	13♒18	1°42	11°36	12°21	19°54	7°12	15° 2	7°15	18°32	8°40	10° 8	16° 9	n.a.	S 11
S 12	4 23 3	6°39'39	27°19	3°22	12°51	12°49	20° 8	7°17	14°59	7°16	18°33	8°41	10° 5	16°16	n.a.	S 12
M13	4 27 0	7°40'45	11♓26	5° 1	14° 5	13°18	20°22	7°22	14°57	7°17	18°35	8°R41	10° 2	16°22	n.a.	M13
T 14	4 30 56	8°41'50	25°39	6°42	15°20	13°47	20°36	7°27	14°54	7°19	18°36	8°40	9°59	16°29	n.a.	T 14
W15	4 34 53	9°42'53	9♈55	8°23	16°35	14°16	20°51	7°32	14°51	7°20	18°37	8°38	9°55	16°36	n.a.	W15
T 16	4 38 50	10°43'55	24°10	10° 5	17°50	14°45	21° 5	7°37	14°49	7°21	18°39	8°34	9°52	16°42	n.a.	T 16
F 17	4 42 46	11°44'55	8♉22	11°47	19° 5	15°14	21°19	7°43	14°46	7°23	18°40	8°30	9°49	16°49	n.a.	F 17
S 18	4 46 43	12°45'55	22°26	13°30	20°19	15°44	21°33	7°48	14°43	7°24	18°41	8°26	9°46	16°56	n.a.	S 18
S 19	4 50 39	13°46'53	6♊16	15°14	21°34	16°14	21°47	7°54	14°41	7°25	18°43	8°22	9°43	17° 3	n.a.	S 19
M20	4 54 36	14°47'49	19°50	16°58	22°49	16°44	22° 2	7°59	14°38	7°26	18°44	8°20	9°40	17° 9	n.a.	M20
T 21	4 58 32	15°48'45	3♋ 6	18°43	24° 4	17°14	22°16	8° 5	14°36	7°27	18°46	8°D19	9°36	17°16	n.a.	T 21
W22	5 2 29	16°49'39	16° 3	20°29	25°19	17°44	22°30	8°11	14°33	7°28	18°47	8°19	9°33	17°23	n.a.	W22
T 23	5 6 25	17°50'32	28°40	22°15	26°33	18°14	22°44	8°16	14°30	7°29	18°48	8°20	9°30	17°29	n.a.	T 23
F 24	5 10 22	18°51'23	11♌ 1	24° 1	27°48	18°45	22°58	8°22	14°28	7°30	18°50	8°22	9°27	17°36	n.a.	F 24
S 25	5 14 19	19°52'14	23° 9	25°49	29° 3	19°15	23°13	8°28	14°25	7°31	18°51	8°23	9°24	17°43	n.a.	S 25
S 26	5 18 15	20°53'03	5♍ 7	27°36	0♐18	19°46	23°27	8°34	14°22	7°32	18°53	8°25	9°21	17°50	n.a.	S 26
M27	5 22 12	21°53'51	16°59	29°24	1°32	20°17	23°41	8°40	14°20	7°33	18°54	8°R25	9°17	17°56	n.a.	M27
T 28	5 26 8	22°54'37	28°52	1♑12	2°47	20°48	23°56	8°46	14°17	7°34	18°56	8°25	9°14	18° 3	n.a.	T 28
W29	5 30 5	23°55'23	10♎49	3° 1	4° 2	21°19	24°10	8°52	14°15	7°35	18°57	8°25	9°11	18°10	n.a.	W29
T 30	5 34 1	24°56'07	22°55	4°49	5°17	21°50	24°24	8°59	14°12	7°36	18°59	8°23	9° 8	18°16	n.a.	T 30
F 31	5 37 58	25♐56'49	5♏14	6♑37	6♐31	22♓22	24♐38	9♒ 5	14♊10	7♎37	19♑ 0	8♑21	9♑ 5	18♍23	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s29	5s53	5s 7	17s34	0s46	10s 8	1n19	9s 2	0s16	23s42	0s24	20s54	1s57	23n21	0n16	0s57	2n 3	35s19	12s51	23s33	23s27	1n44		n.a.
T 2	19 44	10 44	5 7	18 7	0 52	10 37	1 17	8 51	0 14	23 43	0 24	20 53	1 57	23 20	0 16	0 57	2 3	35 19	12 51	23 34	23 27	1 41		n.a.
F 3	19 58	15 15	4 53	18 40	0 58	11 5	1 15	8 39	0 13	23 44	0 24	20 51	1 57	23 20	0 16	0 58	2 3	35 18	12 50	23 34	23 28	1 38		n.a.
S 4	20 12	19 13	4 25	19 12	1 4	11 33	1 13	8 28	0 11	23 46	0 24	20 50	1 57	23 20	0 16	0 59	2 3	35 18	12 50	23 35	23 28	1 35		n.a.
S 5	20 26	22 21	3 44	19 43	1 9	12 1	1 11	8 16	0 9	23 47	0 24	20 49	1 57	23 20	0 16	0 59	2 3	35 17	12 50	23 35	23 28	1 32		n.a.
M 6	20 39	24 25	2 50	20 13	1 14	12 28	1 9	8 4	0 8	23 48	0 24	20 48	1 56	23 19	0 16	1 0	2 3	35 17	12 50	23 36	23 28	1 29		n.a.
T 7	20 52	25 10	1 46	20 42	1 19	12 56	1 7	7 52	0 6	23 50	0 25	20 46	1 56	23 19	0 16	1 0	2 3	35 17	12 50	23 36	23 29	1 26		n.a.
W 8	21 4	24 28	0 35	21 10	1 24	13 23	1 4	7 40	0 5	23 51	0 25	20 45	1 56	23 19	0 16	1 1	2 3	35 16	12 49	23 36	23 29	1 23		n.a.
T 9	21 16	22 19	0n39	21 37	1 29	13 49	1 2	7 28	0 3	23 52	0 25	20 44	1 56	23 19	0 16	1 1	2 4	35 16	12 49	23 36	23 29	1 20		n.a.
F 10	21 28	18 51	1 51	22 3	1 33	14 15	1 0	7 16	0 2	23 53	0 25	20 42	1 56	23 18	0 16	1 2	2 4	35 16	12 49	23 36	23 29	1 17		n.a.
S 11	21 39	14 18	2 58	22 28	1 37	14 41	0 58	7 4	0 1	23 55	0 25	20 41	1 56	23 18	0 16	1 2	2 4	35 15	12 49	23 36	23 30	1 14		n.a.
S 12	21 50	8 58	3 55	22 52	1 41	15 6	0 55	6 51	0n 1	23 56	0 25	20 40	1 56	23 18	0 16	1 3	2 4	35 15	12 49	23 36	23 30	1 12		n.a.
M13	22 0	3 8	4 38	23 15	1 44	15 32	0 53	6 39	0 2	23 57	0 25	20 38	1 56	23 17	0 16	1 3	2 4	35 14	12 49	23 36	23 30	1 9		n.a.
T 14	22 10	2n53	5 5	23 36	1 47	15 56	0 50	6 27	0 3	23 58	0 25	20 37	1 55	23 17	0 16	1 4	2 4	35 14	12 48	23 36	23 30	1 6		n.a.
W15	22 19	8 46	5 13	23 56	1 50	16 20	0 48	6 14	0 5	23 59	0 25	20 35	1 55	23 17	0 16	1 4	2 4	35 14	12 48	23 36	23 31	1 3		n.a.
T 16	22 28	14 12	5 1	24 14	1 53	16 44	0 46	6 1	0 6	24 0	0 25	20 34	1 55	23 17	0 16	1 5	2 4	35 13	12 48	23 36	23 31	1 0		n.a.
F 17	22 37	18 50	4 32	24 31	1 55	17 8	0 43	5 49	0 7	24 1	0 25	20 32	1 55	23 16	0 16	1 5	2 4	35 13	12 48	23 37	23 31	0 57		n.a.
S 18	22 45	22 21	3 46	24 47	1 57	17 31	0 41	5 36	0 8	24 2	0 26	20 31	1 55	23 16	0 16	1 6	2 4	35 13	12 48	23 37	23 31	0 54		n.a.
S 19	22 53	24 30	2 47	25 1	1 58	17 53	0 38	5 23	0 10	24 3	0 26	20 29	1 55	23 16	0 16	1 6	2 4	35 12	12 48	23 37	23 31	0 51		n.a.
M20	23 0	25 9	1 40	25 13	1 59	18 15	0 36	5 10	0 11	24 4	0 26	20 27	1 55	23 15	0 16	1 6	2 4	35 12	12 48	23 37	23 32	0 48		n.a.
T 21	23 7	24 20	0 29	25 23	2 0	18 36	0 33	4 57	0 12	24 5	0 26	20 26	1 55	23 15	0 16	1 7	2 4	35 12	12 47	23 37	23 32	0 45		n.a.
W22	23 13	22 12	0s42	25 32	2 0	18 57	0 31	4 44	0 13	24 6	0 26	20 24	1 55	23 15	0 16	1 7	2 4	35 11	12 47	23 37	23 32	0 42		n.a.
T 23	23 19	19 1	1 50	25 39	1 59	19 18	0 28	4 31	0 14	24 7	0 26	20 23	1 55	23 15	0 16	1 8	2 4	35 11	12 47	23 37	23 32	0 39		n.a.
F 24	23 25	15 3	2 51	25 43	1 59	19 38	0 25	4 18	0 15	24 8	0 26	20 21	1 54	23 14	0 16	1 8	2 4	35 11	12 47	23 37	23 33	0 36		n.a.
S 25	23 30	10 33	3 43	25 46	1 57	19 57	0 23	4 5	0 17	24 9	0 26	20 19	1 54	23 14	0 16	1 8	2 5	35 10	12 47	23 37	23 33	0 33		n.a.
S 26	23 34	5 43	4 24	25 47	1 55	20 16	0 20	3 51	0 18	24 10	0 26	20 18	1 54	23 14	0 17	1 9	2 5	35 10	12 47	23 37	23 33	0 30		n.a.
M27	23 38	0 44	4 54	25 46	1 53	20 34	0 18	3 38	0 19	24 11	0 27	20 16	1 54	23 13	0 17	1 9	2 5	35 10	12 47	23 37	23 33	0 27		n.a.
T 28	23 42	4s17	5 12	25 42	1 49	20 52	0 15	3 25	0 20	24 11	0 27	20 14	1 54	23 13	0 17	1 9	2 5	35 9	12 47	23 37	23 34	0 24		n.a.
W29	23 45	9 11	5 16	25 37	1 46	21 9	0 13	3 11	0 21	24 12	0 27	20 12	1 54	23 13	0 17	1 9	2 5	35 9	12 46	23 37	23 34	0 21		n.a.
T 30	23 47	13 47	5 6	25 29	1 41	21 25	0 10	2 58	0 22	24 13	0 27	20 11	1 54	23 12	0 17	1 10	2 5	35 9	12 46	23 37	23 34	0 18		n.a.
F 31	23s49	17s55	4s42	25s19	1s36	21s41	0n 7	2s44	0n23	24s14	0s27	20s 9	1s54	23n12	0n17	1s10	2n 5	35s 8	12s46	23s37	23s34	0n15		n.a.

Julian Day Number = 1116172.5, Delta T = 10h47m05s
Ecliptic obliquity = 23°53'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'56, Lahiri = -26°48'55 Julian Calendar 1 Dec. 1658 BCE == Greg. Calendar 17 Nov. 1658 BCE

The year -1657 astronomical counting style corresponds to year 1658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

JANUARY 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 41 54	26♐57'31	17♏49	8♑25	7♐46	22♓53	24♐53	9♒11	14°R 7	7♎37	19♑ 2	8°R20	9♑ 1	18♍30	n.a.	S 1
S 2	5 45 51	27°58'11	0♐43	10°12	9° 1	23°25	25° 7	9°17	14♊ 4	7°38	19° 3	8♑18	8°58	18°37	n.a.	S 2
M 3	5 49 48	28°58'49	13°56	11°58	10°16	23°57	25°21	9°24	14° 2	7°39	19° 5	8°17	8°55	18°43	n.a.	M 3
T 4	5 53 44	29°59'26	27°28	13°42	11°30	24°29	25°36	9°30	13°59	7°39	19° 6	8°16	8°52	18°50	n.a.	T 4
W 5	5 57 41	1♑ 0'01	11♑17	15°25	12°45	25° 1	25°50	9°37	13°57	7°40	19° 8	8°D16	8°49	18°57	n.a.	W 5
T 6	6 1 37	2° 0'34	25°20	17° 6	14° 0	25°33	26° 4	9°44	13°54	7°41	19°10	8°17	8°46	19° 3	n.a.	T 6
F 7	6 5 34	3° 1'05	9♒32	18°45	15°14	26° 5	26°18	9°50	13°52	7°41	19°11	8°17	8°42	19°10	n.a.	F 7
S 8	6 9 30	4° 1'35	23°51	20°20	16°29	26°38	26°33	9°57	13°50	7°42	19°13	8°18	8°39	19°17	n.a.	S 8
S 9	6 13 27	5° 2'02	8♓10	21°51	17°44	27°10	26°47	10° 4	13°47	7°42	19°14	8°18	8°36	19°24	n.a.	S 9
M10	6 17 24	6° 2'27	22°28	23°18	18°58	27°43	27° 1	10°10	13°45	7°43	19°16	8°18	8°33	19°30	n.a.	M10
T 11	6 21 20	7° 2'49	6♈41	24°40	20°13	28°16	27°15	10°17	13°42	7°43	19°18	8°R18	8°30	19°37	n.a.	T 11
W12	6 25 17	8° 3'10	20°46	25°57	21°27	28°48	27°29	10°24	13°40	7°44	19°19	8°D18	8°27	19°44	n.a.	W12
T 13	6 29 13	9° 3'28	4♉43	27° 7	22°42	29°21	27°44	10°31	13°38	7°44	19°21	8°18	8°23	19°50	n.a.	T 13
F 14	6 33 10	10° 3'45	18°29	28°10	23°57	29°54	27°58	10°38	13°35	7°44	19°22	8°18	8°20	19°57	n.a.	F 14
S 15	6 37 6	11° 3'59	2♊ 3	29° 6	25°11	0♈27	28°12	10°45	13°33	7°45	19°24	8°19	8°17	20° 4	n.a.	S 15
S 16	6 41 3	12° 4'11	15°26	29°54	26°26	1° 0	28°26	10°52	13°31	7°45	19°26	8°19	8°14	20°11	n.a.	S 16
M17	6 44 59	13° 4'20	28°34	0♒33	27°40	1°34	28°40	10°59	13°29	7°45	19°27	8°19	8°11	20°17	n.a.	M17
T 18	6 48 56	14° 4'28	11♋30	1° 4	28°55	2° 7	28°54	11° 6	13°27	7°45	19°29	8°R19	8° 7	20°24	n.a.	T 18
W19	6 52 53	15° 4'34	24°11	1°25	0♑ 9	2°40	29° 8	11°13	13°25	7°45	19°31	8°19	8° 4	20°31	n.a.	W19
T 20	6 56 49	16° 4'37	6♌39	1°36	1°24	3°14	29°22	11°21	13°22	7°45	19°32	8°18	8° 1	20°37	n.a.	T 20
F 21	7 0 46	17° 4'39	18°55	1°R39	2°38	3°47	29°36	11°28	13°20	7°46	19°34	8°17	7°58	20°44	n.a.	F 21
S 22	7 4 42	18° 4'39	1♍ 1	1°31	3°53	4°21	29°50	11°35	13°18	7°46	19°36	8°16	7°55	20°51	n.a.	S 22
S 23	7 8 39	19° 4'36	12°59	1°15	5° 7	4°55	0♑ 4	11°42	13°16	7°R46	19°37	8°14	7°52	20°58	n.a.	S 23
M24	7 12 35	20° 4'32	24°52	0°50	6°22	5°28	0°18	11°50	13°14	7°46	19°39	8°13	7°48	21° 4	n.a.	M24
T 25	7 16 32	21° 4'26	6♎44	0°18	7°36	6° 2	0°32	11°57	13°12	7°46	19°40	8°12	7°45	21°11	n.a.	T 25
W26	7 20 28	22° 4'18	18°41	29♑38	8°51	6°36	0°45	12° 4	13°11	7°46	19°42	8°D11	7°42	21°18	n.a.	W26
T 27	7 24 25	23° 4'08	0♏45	28°52	10° 5	7°10	0°59	12°12	13° 9	7°45	19°44	8°11	7°39	21°24	n.a.	T 27
F 28	7 28 21	24° 3'57	13° 2	28° 1	11°19	7°44	1°13	12°19	13° 7	7°45	19°45	8°12	7°36	21°31	n.a.	F 28
S 29	7 32 18	25° 3'43	25°36	27° 7	12°34	8°18	1°27	12°27	13° 5	7°45	19°47	8°13	7°32	21°38	n.a.	S 29
S 30	7 36 15	26° 3'28	8♐32	26°10	13°48	8°52	1°40	12°34	13° 3	7°45	19°49	8°15	7°29	21°45	n.a.	S 30
M31	7 40 11	27♑ 3'11	21♐51	25♑12	15♑ 3	9♈26	1♑54	12♒42	13♊ 2	7♎45	19♑50	8♑16	7♑26	21♍51	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s51	21s22	4s 4	25s 7	1s30	21s56	0n 5	2s31	0n24	24s14	0s27	20s 7	1s54	23n12	0n17	1s10	2n 5	35s 8	12s46	23s37	23s34	0n13		n.a.
S 2	23 52	23 50	3 13	24 52	1 23	22 11	0 2	2 17	0 25	24 15	0 27	20 5	1 54	23 12	0 17	1 10	2 5	35 8	12 46	23 37	23 35	0 10		n.a.
M 3	23 53	25 4	2 11	24 36	1 16	22 25	0s 0	2 3	0 26	24 16	0 27	20 3	1 54	23 11	0 17	1 11	2 5	35 7	12 46	23 37	23 35	0 7		n.a.
T 4	23 53	24 51	1 0	24 17	1 8	22 38	0 3	1 50	0 27	24 16	0 27	20 2	1 54	23 11	0 17	1 11	2 5	35 7	12 46	23 37	23 35	0 4		n.a.
W 5	23 53	23 7	0n17	23 57	0 58	22 50	0 5	1 36	0 27	24 17	0 27	20 0	1 53	23 11	0 17	1 11	2 5	35 7	12 46	23 37	23 35	0 1		n.a.
T 6	23 52	19 57	1 33	23 34	0 49	23 2	0 8	1 22	0 28	24 17	0 28	19 58	1 53	23 10	0 17	1 11	2 5	35 6	12 46	23 37	23 36	0s 2		n.a.
F 7	23 51	15 33	2 45	23 10	0 38	23 13	0 10	1 8	0 29	24 18	0 28	19 56	1 53	23 10	0 17	1 11	2 5	35 6	12 46	23 37	23 36	0 5		n.a.
S 8	23 49	10 16	3 47	22 45	0 26	23 24	0 13	0 54	0 30	24 18	0 28	19 54	1 53	23 10	0 17	1 12	2 5	35 6	12 46	23 37	23 36	0 8		n.a.
S 9	23 47	4 25	4 35	22 19	0 14	23 34	0 15	0 40	0 31	24 19	0 28	19 52	1 53	23 9	0 17	1 12	2 6	35 5	12 46	23 37	23 36	0 11		n.a.
M10	23 45	1n37	5 5	21 51	0 1	23 43	0 18	0 26	0 32	24 19	0 28	19 50	1 53	23 9	0 17	1 12	2 6	35 5	12 46	23 37	23 36	0 14		n.a.
T 11	23 42	7 32	5 17	21 23	0n13	23 51	0 20	0 12	0 33	24 20	0 28	19 48	1 53	23 9	0 17	1 12	2 6	35 5	12 46	23 37	23 37	0 17		n.a.
W12	23 38	13 1	5 10	20 55	0 27	23 59	0 22	0n 2	0 33	24 20	0 28	19 46	1 53	23 9	0 17	1 12	2 6	35 5	12 46	23 37	23 37	0 20		n.a.
T 13	23 34	17 47	4 44	20 27	0 42	24 6	0 25	0 16	0 34	24 21	0 28	19 44	1 53	23 8	0 17	1 12	2 6	35 4	12 46	23 37	23 37	0 23		n.a.
F 14	23 30	21 32	4 3	19 59	0 57	24 12	0 27	0 30	0 35	24 21	0 29	19 42	1 53	23 8	0 17	1 12	2 6	35 4	12 46	23 37	23 37	0 26		n.a.
S 15	23 25	24 2	3 8	19 32	1 13	24 17	0 29	0 44	0 36	24 21	0 29	19 40	1 53	23 8	0 17	1 12	2 6	35 4	12 46	23 37	23 37	0 29		n.a.
S 16	23 20	25 7	2 4	19 6	1 29	24 22	0 32	0 58	0 37	24 21	0 29	19 38	1 53	23 7	0 17	1 12	2 6	35 3	12 46	23 37	23 38	0 31		n.a.
M17	23 14	24 47	0 54	18 42	1 45	24 26	0 34	1 12	0 37	24 22	0 29	19 36	1 53	23 7	0 17	1 12	2 6	35 3	12 46	23 37	23 38	0 34		n.a.
T 18	23 8	23 5	0s18	18 20	2 1	24 29	0 36	1 26	0 38	24 22	0 29	19 34	1 53	23 7	0 17	1 12	2 6	35 3	12 46	23 37	23 38	0 37		n.a.
W19	23 1	20 15	1 27	18 0	2 17	24 32	0 38	1 40	0 39	24 22	0 29	19 32	1 53	23 7	0 17	1 12	2 6	35 3	12 46	23 37	23 38	0 40		n.a.
T 20	22 54	16 32	2 31	17 43	2 32	24 33	0 41	1 55	0 39	24 22	0 29	19 30	1 53	23 6	0 17	1 12	2 6	35 2	12 46	23 37	23 38	0 43		n.a.
F 21	22 46	12 10	3 26	17 28	2 46	24 34	0 43	2 9	0 40	24 23	0 29	19 28	1 53	23 6	0 17	1 12	2 6	35 2	12 46	23 37	23 39	0 46		n.a.
S 22	22 38	7 24	4 12	17 16	3 0	24 34	0 45	2 23	0 41	24 23	0 30	19 26	1 53	23 6	0 17	1 12	2 6	35 2	12 46	23 37	23 39	0 49		n.a.
S 23	22 30	2 25	4 46	17 7	3 13	24 34	0 47	2 37	0 42	24 23	0 30	19 24	1 53	23 6	0 17	1 12	2 7	35 2	12 46	23 38	23 39	0 52		n.a.
M24	22 21	2s37	5 8	17 2	3 24	24 33	0 49	2 51	0 42	24 23	0 30	19 22	1 53	23 5	0 17	1 12	2 7	35 1	12 46	23 38	23 39	0 55		n.a.
T 25	22 12	7 33	5 16	16 59	3 34	24 30	0 51	3 6	0 43	24 23	0 30	19 20	1 53	23 5	0 17	1 12	2 7	35 1	12 46	23 38	23 39	0 58		n.a.
W26	22 2	12 13	5 11	17 0	3 42	24 28	0 53	3 20	0 43	24 23	0 30	19 18	1 53	23 5	0 17	1 12	2 7	35 1	12 46	23 38	23 40	1 1		n.a.
T 27	21 52	16 30	4 52	17 3	3 48	24 24	0 54	3 34	0 44	24 23	0 30	19 15	1 53	23 5	0 17	1 12	2 7	35 1	12 46	23 38	23 40	1 4		n.a.
F 28	21 42	20 9	4 20	17 9	3 53	24 20	0 56	3 48	0 45	24 23	0 30	19 13	1 53	23 4	0 17	1 12	2 7	35 1	12 46	23 38	23 40	1 6		n.a.
S 29	21 31	22 59	3 34	17 17	3 55	24 15	0 58	4 3	0 45	24 23	0 30	19 11	1 53	23 4	0 17	1 12	2 7	35 0	12 46	23 38	23 40	1 9		n.a.
S 30	21 20	24 43	2 37	17 28	3 55	24 9	1 0	4 17	0 46	24 23	0 31	19 9	1 53	23 4	0 17	1 11	2 7	35 0	12 46	23 38	23 40	1 12		n.a.
M31	21s 8	25s 7	1s29	17s40	3n54	24s 2	1s 1	4n31	0n47	24s23	0s31	19s 7	1s53	23n 4	0n17	1s11	2n 7	35s 0	12s46	23s37	23s40	1s15		n.a.

Julian Day Number = 1116203.5, Delta T = 10h47m03s
Ecliptic obliquity = 23°53'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'52, Lahiri = -26°48'51 Julian Calendar 1 Jan. 1657 BCE == Greg. Calendar 18 Dec. 1658 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

FEBRUARY 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 44 8	28♉ 2'52	5♉34	24°R14	16♉17	10♈ 1	2♉ 8	12♒49	13°R 0	7°R44	19♉52	8°R17	7♉23	21♍58	n.a.	T 1
W 2	7 48 4	29° 2'30	19°40	23♉17	17°32	10°35	2°21	12°57	12♊58	7♎44	19°53	8♉16	7°20	22° 5	n.a.	W 2
T 3	7 52 1	0♒ 2'07	4♒ 6	22°23	18°46	11° 9	2°35	13° 4	12°57	7°44	19°55	8°15	7°17	22°12	n.a.	T 3
F 4	7 55 57	1° 1'41	18°47	21°33	20° 0	11°44	2°48	13°12	12°55	7°43	19°57	8°13	7°13	22°18	n.a.	F 4
S 5	7 59 54	2° 1'13	3♓34	20°46	21°15	12°18	3° 1	13°19	12°54	7°43	19°58	8° 9	7°10	22°25	n.a.	S 5
S 6	8 3 50	3° 0'42	18°21	20° 5	22°29	12°53	3°15	13°27	12°53	7°43	20° 0	8° 6	7° 7	22°32	n.a.	S 6
M 7	8 7 47	4° 0'09	2♈59	19°29	23°43	13°27	3°28	13°35	12°51	7°42	20° 2	8° 3	7° 4	22°38	n.a.	M 7
T 8	8 11 44	4°59'34	17°25	18°59	24°58	14° 2	3°41	13°42	12°50	7°42	20° 3	8° 1	7° 1	22°45	n.a.	T 8
W 9	8 15 40	5°58'56	1♉34	18°35	26°12	14°37	3°55	13°50	12°49	7°41	20° 5	8°D 0	6°58	22°52	n.a.	W 9
T 10	8 19 37	6°58'16	15°24	18°16	27°26	15°11	4° 8	13°58	12°47	7°40	20° 6	8° 0	6°54	22°59	n.a.	T 10
F 11	8 23 33	7°57'33	28°57	18° 4	28°41	15°46	4°21	14° 5	12°46	7°40	20° 8	8° 1	6°51	23° 5	n.a.	F 11
S 12	8 27 30	8°56'47	12♊12	17°58	29°55	16°21	4°34	14°13	12°45	7°39	20° 9	8° 3	6°48	23°12	n.a.	S 12
S 13	8 31 26	9°56'00	25°12	17°D57	1♒ 9	16°56	4°47	14°21	12°44	7°39	20°11	8° 4	6°45	23°19	n.a.	S 13
M14	8 35 23	10°55'09	7♋58	18° 3	2°23	17°31	5° 0	14°28	12°43	7°38	20°13	8°R 5	6°42	23°25	n.a.	M14
T 15	8 39 19	11°54'17	20°33	18°13	3°37	18° 6	5°12	14°36	12°42	7°37	20°14	8° 4	6°38	23°32	n.a.	T 15
W16	8 43 16	12°53'22	2♌57	18°29	4°52	18°41	5°25	14°44	12°41	7°37	20°16	8° 1	6°35	23°39	n.a.	W16
T 17	8 47 12	13°52'25	15°12	18°50	6° 6	19°16	5°38	14°51	12°40	7°36	20°17	7°57	6°32	23°46	n.a.	T 17
F 18	8 51 9	14°51'25	27°19	19°16	7°20	19°51	5°51	14°59	12°39	7°35	20°19	7°51	6°29	23°52	n.a.	F 18
S 19	8 55 6	15°50'23	9♍19	19°46	8°34	20°26	6° 3	15° 7	12°38	7°34	20°20	7°45	6°26	23°59	n.a.	S 19
S 20	8 59 2	16°49'20	21°15	20°20	9°48	21° 1	6°16	15°14	12°38	7°33	20°22	7°37	6°23	24° 6	n.a.	S 20
M21	9 2 59	17°48'14	3♎ 7	20°59	11° 3	21°36	6°28	15°22	12°37	7°32	20°23	7°30	6°19	24°13	n.a.	M21
T 22	9 6 55	18°47'06	15° 0	21°41	12°17	22°11	6°41	15°30	12°36	7°31	20°25	7°24	6°16	24°19	n.a.	T 22
W23	9 10 52	19°45'56	26°55	22°27	13°31	22°47	6°53	15°37	12°36	7°31	20°26	7°20	6°13	24°26	n.a.	W23
T 24	9 14 48	20°44'45	8♏58	23°16	14°45	23°22	7° 5	15°45	12°35	7°30	20°28	7°17	6°10	24°33	n.a.	T 24
F 25	9 18 45	21°43'31	21°12	24° 9	15°59	23°57	7°17	15°53	12°35	7°29	20°29	7°D16	6° 7	24°39	n.a.	F 25
S 26	9 22 41	22°42'16	3♐42	25° 4	17°13	24°33	7°29	16° 0	12°34	7°28	20°30	7°17	6° 4	24°46	n.a.	S 26
S 27	9 26 38	23°40'59	16°33	26° 3	18°27	25° 8	7°41	16° 8	12°34	7°27	20°32	7°18	6° 0	24°53	n.a.	S 27
M28	9 30 34	24°39'40	29°49	27° 4	19°42	25°43	7°53	16°16	12°34	7°26	20°33	7°19	5°57	25° 0	n.a.	M28
T 29	9 34 31	25♒38'19	13♉32	28♉ 8	20♒56	26♈19	8♉ 5	16♒23	12♊33	7♎24	20♉35	7°R19	5♉54	25♍ 6	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s56	24s 1	0s15	17s54	3n50	23s55	1s 3	4n45	0n47	24s23	0s31	19s 5	1s53	23n 4	0n17	1s11	2n 7	35s 0	12s46	23s37	23s41	1s18		n.a.
W 2	20 44	21 23	1n 2	18 9	3 44	23 47	1 4	5 0	0 48	24 23	0 31	19 2	1 53	23 3	0 17	1 11	2 7	35 0	12 46	23 37	23 41	1 21		n.a.
T 3	20 31	17 22	2 17	18 25	3 37	23 38	1 6	5 14	0 48	24 23	0 31	19 0	1 53	23 3	0 17	1 11	2 7	34 59	12 46	23 38	23 41	1 24		n.a.
F 4	20 18	12 14	3 25	18 42	3 28	23 29	1 7	5 28	0 49	24 23	0 31	18 58	1 53	23 3	0 17	1 11	2 7	34 59	12 46	23 38	23 41	1 27		n.a.
S 5	20 5	6 22	4 19	18 59	3 18	23 18	1 9	5 42	0 49	24 23	0 31	18 56	1 53	23 3	0 17	1 10	2 7	34 59	12 46	23 38	23 41	1 30		n.a.
S 6	19 51	0 11	4 55	19 17	3 7	23 8	1 10	5 56	0 50	24 22	0 32	18 53	1 53	23 3	0 17	1 10	2 7	34 59	12 47	23 38	23 42	1 33		n.a.
M 7	19 37	5n58	5 12	19 34	2 55	22 56	1 12	6 11	0 50	24 22	0 32	18 51	1 53	23 2	0 17	1 10	2 8	34 59	12 47	23 38	23 42	1 35		n.a.
T 8	19 22	11 42	5 9	19 51	2 42	22 44	1 13	6 25	0 51	24 22	0 32	18 49	1 53	23 2	0 17	1 10	2 8	34 59	12 47	23 38	23 42	1 38		n.a.
W 9	19 8	16 43	4 48	20 8	2 28	22 31	1 14	6 39	0 51	24 22	0 32	18 47	1 53	23 2	0 17	1 9	2 8	34 58	12 47	23 39	23 42	1 41		n.a.
T 10	18 53	20 44	4 9	20 24	2 14	22 17	1 15	6 53	0 52	24 22	0 32	18 45	1 53	23 2	0 17	1 9	2 8	34 58	12 47	23 38	23 42	1 44		n.a.
F 11	18 37	23 31	3 18	20 39	2 0	22 3	1 16	7 7	0 52	24 21	0 32	18 42	1 53	23 2	0 17	1 9	2 8	34 58	12 47	23 38	23 42	1 47		n.a.
S 12	18 21	24 56	2 17	20 54	1 46	21 48	1 17	7 21	0 53	24 21	0 33	18 40	1 53	23 2	0 17	1 8	2 8	34 58	12 47	23 38	23 43	1 50		n.a.
S 13	18 5	24 58	1 10	21 8	1 32	21 33	1 18	7 36	0 53	24 21	0 33	18 38	1 53	23 1	0 17	1 8	2 8	34 58	12 47	23 38	23 43	1 53		n.a.
M14	17 49	23 39	0 1	21 22	1 18	21 17	1 19	7 50	0 54	24 20	0 33	18 36	1 53	23 1	0 17	1 8	2 8	34 58	12 48	23 38	23 43	1 56		n.a.
T 15	17 32	21 10	1s 8	21 34	1 4	21 0	1 20	8 4	0 54	24 20	0 33	18 33	1 53	23 1	0 17	1 7	2 8	34 58	12 48	23 38	23 43	1 59		n.a.
W16	17 16	17 44	2 11	21 45	0 50	20 43	1 21	8 18	0 55	24 20	0 33	18 31	1 53	23 1	0 17	1 7	2 8	34 58	12 48	23 38	23 43	2 1		n.a.
T 17	16 58	13 35	3 8	21 56	0 37	20 25	1 21	8 32	0 55	24 19	0 33	18 29	1 53	23 1	0 17	1 7	2 8	34 57	12 48	23 39	23 43	2 4		n.a.
F 18	16 41	8 57	3 56	22 5	0 24	20 6	1 22	8 46	0 56	24 19	0 34	18 26	1 53	23 1	0 17	1 6	2 8	34 57	12 48	23 39	23 44	2 7		n.a.
S 19	16 23	4 1	4 32	22 13	0 11	19 47	1 23	8 59	0 56	24 18	0 34	18 24	1 53	23 1	0 17	1 6	2 8	34 57	12 48	23 39	23 44	2 10		n.a.
S 20	16 5	1s 0	4 57	22 20	0s 1	19 27	1 23	9 13	0 57	24 18	0 34	18 22	1 53	23 1	0 17	1 6	2 8	34 57	12 49	23 40	23 44	2 13		n.a.
M21	15 47	5 58	5 8	22 26	0 13	19 7	1 24	9 27	0 57	24 18	0 34	18 20	1 53	23 1	0 17	1 5	2 8	34 57	12 49	23 40	23 44	2 16		n.a.
T 22	15 28	10 42	5 7	22 30	0 24	18 46	1 24	9 41	0 57	24 17	0 34	18 17	1 53	23 0	0 17	1 5	2 8	34 57	12 49	23 41	23 44	2 19		n.a.
W23	15 10	15 5	4 52	22 34	0 35	18 25	1 24	9 55	0 58	24 17	0 34	18 15	1 53	23 0	0 17	1 4	2 9	34 57	12 49	23 41	23 44	2 22		n.a.
T 24	14 51	18 54	4 24	22 35	0 46	18 3	1 25	10 8	0 58	24 16	0 35	18 13	1 53	23 0	0 17	1 4	2 9	34 57	12 49	23 41	23 44	2 24		n.a.
F 25	14 32	21 59	3 43	22 36	0 56	17 41	1 25	10 22	0 59	24 16	0 35	18 11	1 53	23 0	0 17	1 3	2 9	34 57	12 49	23 41	23 45	2 27		n.a.
S 26	14 12	24 5	2 51	22 35	1 5	17 19	1 25	10 36	0 59	24 15	0 35	18 8	1 54	23 0	0 17	1 3	2 9	34 57	12 50	23 41	23 45	2 30		n.a.
S 27	13 53	25 1	1 50	22 33	1 14	16 55	1 25	10 49	0 59	24 15	0 35	18 6	1 54	23 0	0 17	1 3	2 9	34 57	12 50	23 41	23 45	2 33		n.a.
M28	13 33	24 34	0 40	22 29	1 22	16 32	1 25	11 3	1 0	24 14	0 35	18 4	1 54	23 0	0 17	1 2	2 9	34 57	12 50	23 41	23 45	2 36		n.a.
T 29	13s13	22s38	0n33	22s24	1s30	16s 8	1s25	11n16	1n 0	24s14	0s35	18s 1	1s54	23n 0	0n17	1s 2	2n 9	34s57	12s50	23s41	23s45	2s39		n.a.

Julian Day Number = 1116234.5, Delta T = 10h47m01s
Ecliptic obliquity = 23°53'17, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'47, Lahiri = -26°48'47 Julian Calendar 1 Feb. 1657 BCE == Greg. Calendar 18 Jan. 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

MARCH 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 38 28	26♒36'56	27♉43	29♉15	22♒10	26♈54	8♉17	16♒31	12°R33	7°R23	20♉36	7°R17	5♉51	25♍13	n.a.	W 1
T 2	9 42 24	27°35'31	12♒19	0♒24	23°24	27°30	8°29	16°39	12♊33	7♎22	20°37	7♉14	5°48	25°20	n.a.	T 2
F 3	9 46 21	28°34'04	27°16	1°35	24°38	28° 5	8°40	16°46	12°33	7°21	20°39	7° 8	5°44	25°26	n.a.	F 3
S 4	9 50 17	29°32'35	12♓25	2°49	25°52	28°41	8°52	16°54	12°D33	7°20	20°40	7° 0	5°41	25°33	n.a.	S 4
S 5	9 54 14	0♓31'04	27°34	4° 4	27° 6	29°17	9° 3	17° 1	12°33	7°19	20°41	6°52	5°38	25°40	n.a.	S 5
M 6	9 58 10	1°29'31	12♈35	5°22	28°20	29°52	9°15	17° 9	12°33	7°17	20°43	6°44	5°35	25°47	n.a.	M 6
T 7	10 2 7	2°27'56	27°19	6°42	29°34	0♉28	9°26	17°16	12°33	7°16	20°44	6°38	5°32	25°53	n.a.	T 7
W 8	10 6 3	3°26'18	11♉40	8° 4	0♓48	1° 4	9°37	17°24	12°33	7°15	20°45	6°34	5°29	26° 0	n.a.	W 8
T 9	10 10 0	4°24'38	25°36	9°28	2° 2	1°39	9°48	17°31	12°34	7°14	20°47	6°32	5°25	26° 7	n.a.	T 9
F 10	10 13 56	5°22'56	9♊ 7	10°54	3°16	2°15	9°59	17°39	12°34	7°12	20°48	6°D32	5°22	26°14	n.a.	F 10
S 11	10 17 53	6°21'11	22°15	12°22	4°30	2°51	10°10	17°46	12°34	7°11	20°49	6°32	5°19	26°20	n.a.	S 11
S 12	10 21 50	7°19'25	5♋ 3	13°51	5°44	3°27	10°21	17°54	12°35	7°10	20°50	6°R33	5°16	26°27	n.a.	S 12
M13	10 25 46	8°17'36	17°35	15°23	6°58	4° 2	10°31	18° 1	12°35	7° 8	20°52	6°32	5°13	26°34	n.a.	M13
T 14	10 29 43	9°15'45	29°55	16°56	8°12	4°38	10°42	18° 9	12°35	7° 7	20°53	6°30	5°10	26°40	n.a.	T 14
W15	10 33 39	10°13'51	12♌ 6	18°31	9°26	5°14	10°52	18°16	12°36	7° 6	20°54	6°24	5° 6	26°47	n.a.	W15
T 16	10 37 36	11°11'56	24° 9	20° 8	10°40	5°50	11° 3	18°23	12°37	7° 4	20°55	6°17	5° 3	26°54	n.a.	T 16
F 17	10 41 32	12° 9'59	6♍ 8	21°47	11°53	6°26	11°13	18°30	12°37	7° 3	20°56	6° 6	5° 0	27° 1	n.a.	F 17
S 18	10 45 29	13° 8'00	18° 3	23°27	13° 7	7° 2	11°23	18°38	12°38	7° 1	20°57	5°55	4°57	27° 7	n.a.	S 18
S 19	10 49 25	14° 5'59	29°56	25°10	14°21	7°38	11°33	18°45	12°39	7° 0	20°58	5°42	4°54	27°14	n.a.	S 19
M20	10 53 22	15° 3'57	11♎49	26°54	15°35	8°14	11°43	18°52	12°40	6°58	20°59	5°30	4°50	27°21	n.a.	M20
T 21	10 57 18	16° 1'52	23°43	28°40	16°49	8°50	11°53	18°59	12°40	6°57	21° 0	5°19	4°47	27°27	n.a.	T 21
W22	11 1 15	16°59'47	5♏40	0♓28	18° 3	9°26	12° 2	19° 6	12°41	6°55	21° 2	5°10	4°44	27°34	n.a.	W22
T 23	11 5 12	17°57'39	17°43	2°17	19°17	10° 2	12°12	19°13	12°42	6°54	21° 3	5° 3	4°41	27°41	n.a.	T 23
F 24	11 9 8	18°55'31	29°57	4° 9	20°30	10°38	12°21	19°21	12°43	6°52	21° 4	5° 0	4°38	27°48	n.a.	F 24
S 25	11 13 5	19°53'21	12♐25	6° 2	21°44	11°14	12°31	19°28	12°44	6°51	21° 4	4°58	4°35	27°54	n.a.	S 25
S 26	11 17 1	20°51'09	25°12	7°57	22°58	11°50	12°40	19°35	12°45	6°49	21° 5	4°D58	4°31	28° 1	n.a.	S 26
M27	11 20 58	21°48'57	8♑22	9°54	24°12	12°26	12°49	19°41	12°47	6°48	21° 6	4°R58	4°28	28° 8	n.a.	M27
T 28	11 24 54	22°46'42	21°58	11°52	25°26	13° 3	12°58	19°48	12°48	6°46	21° 7	4°57	4°25	28°15	n.a.	T 28
W29	11 28 51	23°44'27	6♒ 4	13°53	26°40	13°39	13° 7	19°55	12°49	6°45	21° 8	4°55	4°22	28°21	n.a.	W29
T 30	11 32 47	24°42'10	20°37	15°55	27°53	14°15	13°16	20° 2	12°50	6°43	21° 9	4°49	4°19	28°28	n.a.	T 30
F 31	11 36 44	25♓39'52	5♓34	17♓58	29♓ 7	14♉51	13♉24	20♒ 9	12♊52	6♎42	21♉10	4♉41	4♉15	28♍35	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	12s52	19s15	1n48	22s17	1s38	15s43	1s25	11n30	1n 0	24s13	0s36	17s59	1s54	23n 0	0n17	1s 1	2n 9	34s57	12s50	23s41	23s45	2s42			n.a.
T 2	12 32	14 36	2 57	22 9	1 44	15 18	1 25	11 43	1 1	24 12	0 36	17 57	1 54	23 0	0 17	1 1	2 9	34 57	12 51	23 41	23 46	2 44			n.a.
F 3	12 11	8 58	3 55	21 59	1 51	14 53	1 24	11 56	1 1	24 12	0 36	17 55	1 54	23 0	0 17	1 0	2 9	34 57	12 51	23 42	23 46	2 47			n.a.
S 4	11 51	2 45	4 38	21 47	1 57	14 27	1 24	12 10	1 1	24 11	0 36	17 52	1 54	23 0	0 17	1 0	2 9	34 57	12 51	23 42	23 46	2 50			n.a.
S 5	11 30	3n37	5 2	21 34	2 2	14 1	1 24	12 23	1 2	24 11	0 36	17 50	1 54	23 0	0 17	0 59	2 9	34 57	12 51	23 42	23 46	2 53			n.a.
M 6	11 9	9 43	5 4	21 20	2 7	13 34	1 23	12 36	1 2	24 10	0 37	17 48	1 54	23 0	0 17	0 59	2 9	34 57	12 52	23 43	23 46	2 56			n.a.
T 7	10 47	15 9	4 46	21 3	2 11	13 8	1 23	12 49	1 2	24 9	0 37	17 46	1 54	23 0	0 17	0 58	2 9	34 57	12 52	23 43	23 46	2 59			n.a.
W 8	10 26	19 35	4 11	20 45	2 15	12 40	1 22	13 2	1 3	24 9	0 37	17 43	1 54	23 0	0 17	0 57	2 9	34 57	12 52	23 43	23 46	3 1			n.a.
T 9	10 4	22 46	3 21	20 26	2 18	12 13	1 22	13 15	1 3	24 8	0 37	17 41	1 55	23 0	0 17	0 57	2 9	34 57	12 52	23 43	23 46	3 4			n.a.
F 10	9 43	24 33	2 21	20 4	2 20	11 45	1 21	13 28	1 3	24 8	0 37	17 39	1 55	23 0	0 17	0 56	2 9	34 57	12 53	23 43	23 47	3 7			n.a.
S 11	9 21	24 55	1 16	19 41	2 23	11 17	1 20	13 41	1 4	24 7	0 38	17 37	1 55	23 0	0 17	0 56	2 9	34 57	12 53	23 43	23 47	3 10			n.a.
S 12	8 59	23 55	0 8	19 16	2 24	10 49	1 20	13 54	1 4	24 6	0 38	17 34	1 55	23 0	0 17	0 55	2 9	34 57	12 53	23 43	23 47	3 13			n.a.
M13	8 37	21 44	0s59	18 50	2 25	10 20	1 19	14 6	1 4	24 6	0 38	17 32	1 55	23 0	0 16	0 55	2 9	34 57	12 53	23 43	23 47	3 16			n.a.
T 14	8 15	18 34	2 1	18 22	2 26	9 51	1 18	14 19	1 5	24 5	0 38	17 30	1 55	23 0	0 16	0 54	2 9	34 57	12 54	23 44	23 47	3 18			n.a.
W15	7 52	14 39	2 57	17 51	2 25	9 22	1 17	14 32	1 5	24 4	0 38	17 28	1 55	23 0	0 16	0 53	2 9	34 57	12 54	23 44	23 47	3 21			n.a.
T 16	7 30	10 11	3 45	17 20	2 25	8 52	1 16	14 44	1 5	24 4	0 39	17 25	1 55	23 0	0 16	0 53	2 10	34 57	12 54	23 44	23 47	3 24			n.a.
F 17	7 7	5 23	4 22	16 46	2 24	8 23	1 15	14 57	1 5	24 3	0 39	17 23	1 55	23 0	0 16	0 52	2 10	34 57	12 54	23 45	23 48	3 27			n.a.
S 18	6 45	0 25	4 47	16 11	2 22	7 53	1 14	15 9	1 6	24 2	0 39	17 21	1 56	23 1	0 16	0 52	2 10	34 57	12 55	23 45	23 48	3 30			n.a.
S 19	6 22	4s33	5 0	15 34	2 20	7 23	1 13	15 21	1 6	24 2	0 39	17 19	1 56	23 1	0 16	0 51	2 10	34 57	12 55	23 46	23 48	3 33			n.a.
M20	5 59	9 20	5 0	14 55	2 17	6 53	1 11	15 33	1 6	24 1	0 39	17 17	1 56	23 1	0 16	0 50	2 10	34 57	12 55	23 46	23 48	3 35			n.a.
T 21	5 37	13 47	4 46	14 14	2 13	6 22	1 10	15 45	1 6	24 0	0 40	17 15	1 56	23 1	0 16	0 50	2 10	34 58	12 56	23 47	23 48	3 38			n.a.
W22	5 14	17 44	4 20	13 32	2 9	5 52	1 9	15 57	1 7	24 0	0 40	17 12	1 56	23 1	0 16	0 49	2 10	34 58	12 56	23 47	23 48	3 41			n.a.
T 23	4 51	20 59	3 43	12 48	2 5	5 21	1 7	16 9	1 7	23 59	0 40	17 10	1 56	23 1	0 16	0 49	2 10	34 58	12 56	23 47	23 48	3 44			n.a.
F 24	4 28	23 21	2 54	12 2	2 0	4 50	1 6	16 21	1 7	23 58	0 40	17 8	1 56	23 1	0 16	0 48	2 10	34 58	12 56	23 48	23 48	3 47			n.a.
S 25	4 5	24 38	1 56	11 14	1 54	4 19	1 4	16 33	1 7	23 58	0 40	17 6	1 56	23 1	0 16	0 47	2 10	34 58	12 57	23 48	23 48	3 50			n.a.
S 26	3 41	24 39	0 52	10 25	1 48	3 48	1 3	16 44	1 8	23 57	0 41	17 4	1 57	23 1	0 16	0 47	2 10	34 58	12 57	23 48	23 49	3 52			n.a.
M27	3 18	23 19	0n18	9 34	1 41	3 17	1 1	16 56	1 8	23 56	0 41	17 2	1 57	23 2	0 16	0 46	2 10	34 58	12 57	23 48	23 49	3 55			n.a.
T 28	2 55	20 36	1 29	8 41	1 34	2 45	1 0	17 7	1 8	23 56	0 41	17 0	1 57	23 2	0 16	0 45	2 10	34 58	12 58	23 48	23 49	3 58			n.a.
W29	2 32	16 35	2 37	7 47	1 27	2 14	0 58	17 19	1 8	23 55	0 41	16 58	1 57	23 2	0 16	0 45	2 10	34 59	12 58	23 48	23 49	4 1			n.a.
T 30	2 9	11 28	3 36	6 52	1 18	1 43	0 56	17 30	1 8	23 54	0 42	16 56	1 57	23 2	0 16	0 44	2 10	34 59	12 58	23 48	23 49	4 4			n.a.
F 31	1s45	5s34	4n23	5s55	1s10	1s11	0s54	17n41	1n 9	23s54	0s42	16s54	1s57	23n 2	0n16	0s43	2n10	34s59	12s59	23s48	23s49	4s 6			n.a.

Julian Day Number = 1116263.5, Delta T = 10h46m59s
Ecliptic obliquity = 23°53'18, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'43, Lahiri = -26°48'43 Julian Calendar 1 March 1657 BCE == Greg. Calendar 16 Feb. 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

APRIL 1657 BCE (-1656) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 40 41	26♓37'32	20♓48	20♓ 3	0♈21	15♉27	13♋33	20♒16	12♊53	6°R40	21♋11	4°R31	4♋12	28♍41	n.a.	S 1
S 2	11 44 37	27°35'11	6♈ 8	22°10	1°35	16° 4	13°41	20°22	12°55	6♎38	21°12	4♋21	4° 9	28°48	n.a.	S 2
M 3	11 48 34	28°32'49	21°22	24°18	2°48	16°40	13°49	20°29	12°56	6°37	21°12	4°10	4° 6	28°55	n.a.	M 3
T 4	11 52 30	29°30'25	6♉19	26°26	4° 2	17°16	13°57	20°36	12°58	6°35	21°13	4° 1	4° 3	29° 2	n.a.	T 4
W 5	11 56 27	0♈27'59	20°53	28°36	5°16	17°53	14° 5	20°42	12°59	6°34	21°14	3°55	4° 0	29° 8	n.a.	W 5
T 6	12 0 23	1°25'32	4♊58	0♈47	6°30	18°29	14°13	20°49	13° 1	6°32	21°15	3°51	3°56	29°15	n.a.	T 6
F 7	12 4 20	2°23'03	18°35	2°57	7°43	19° 5	14°21	20°55	13° 3	6°30	21°15	3°50	3°53	29°22	n.a.	F 7
S 8	12 8 16	3°20'33	1♋44	5° 8	8°57	19°42	14°28	21° 1	13° 5	6°29	21°16	3°49	3°50	29°28	n.a.	S 8
S 9	12 12 13	4°18'01	14°31	7°19	10°11	20°18	14°36	21° 8	13° 6	6°27	21°17	3°49	3°47	29°35	n.a.	S 9
M10	12 16 10	5°15'27	26°58	9°30	11°24	20°55	14°43	21°14	13° 8	6°26	21°17	3°48	3°44	29°42	n.a.	M10
T 11	12 20 6	6°12'52	9♌12	11°40	12°38	21°31	14°50	21°20	13°10	6°24	21°18	3°45	3°41	29°49	n.a.	T 11
W12	12 24 3	7°10'16	21°15	13°49	13°52	22° 8	14°57	21°26	13°12	6°22	21°18	3°39	3°37	29°55	n.a.	W12
T 13	12 27 59	8° 7'38	3♍12	15°57	15° 5	22°44	15° 4	21°33	13°14	6°21	21°19	3°31	3°34	0♎ 2	n.a.	T 13
F 14	12 31 56	9° 4'58	15° 6	18° 4	16°19	23°21	15°10	21°39	13°16	6°19	21°20	3°20	3°31	0° 9	n.a.	F 14
S 15	12 35 52	10° 2'18	26°58	20° 9	17°33	23°57	15°17	21°45	13°18	6°17	21°20	3° 7	3°28	0°16	n.a.	S 15
S 16	12 39 49	10°59'36	8♎51	22°12	18°46	24°34	15°23	21°51	13°20	6°16	21°21	2°53	3°25	0°22	n.a.	S 16
M17	12 43 45	11°56'54	20°46	24°14	20° 0	25°10	15°29	21°56	13°22	6°14	21°21	2°40	3°21	0°29	n.a.	M17
T 18	12 47 42	12°54'10	2♏44	26°13	21°13	25°47	15°35	22° 2	13°25	6°13	21°21	2°28	3°18	0°36	n.a.	T 18
W19	12 51 39	13°51'26	14°47	28°10	22°27	26°23	15°41	22° 8	13°27	6°11	21°22	2°18	3°15	0°42	n.a.	W19
T 20	12 55 35	14°48'41	26°57	0♑ 4	23°41	27° 0	15°47	22°14	13°29	6° 9	21°22	2°11	3°12	0°49	n.a.	T 20
F 21	12 59 32	15°45'55	9♐17	1°56	24°54	27°37	15°52	22°19	13°32	6° 8	21°23	2° 6	3° 9	0°56	n.a.	F 21
S 22	13 3 28	16°43'08	21°48	3°45	26° 8	28°13	15°58	22°25	13°34	6° 6	21°23	2° 4	3° 6	1° 3	n.a.	S 22
S 23	13 7 25	17°40'21	4♑36	5°32	27°21	28°50	16° 3	22°30	13°36	6° 5	21°23	2°D 4	3° 2	1° 9	n.a.	S 23
M24	13 11 21	18°37'34	17°44	7°17	28°35	29°27	16° 8	22°36	13°39	6° 3	21°24	2°R 4	2°59	1°16	n.a.	M24
T 25	13 15 18	19°34'45	1♒15	8°58	29°48	0♊ 3	16°13	22°41	13°41	6° 1	21°24	2° 4	2°56	1°23	n.a.	T 25
W26	13 19 14	20°31'57	15°11	10°37	1♉ 2	0°40	16°18	22°47	13°44	6° 0	21°24	2° 2	2°53	1°30	n.a.	W26
T 27	13 23 11	21°29'08	29°34	12°14	2°16	1°17	16°22	22°52	13°46	5°58	21°24	1°57	2°50	1°36	n.a.	T 27
F 28	13 27 8	22°26'18	14♓20	13°47	3°29	1°54	16°27	22°57	13°49	5°57	21°25	1°51	2°47	1°43	n.a.	F 28
S 29	13 31 4	23°23'28	29°23	15°18	4°43	2°30	16°31	23° 2	13°52	5°55	21°25	1°42	2°43	1°50	n.a.	S 29
S 30	13 35 1	24♈20'37	14♈36	16♉46	5♉56	3♊ 7	16♋35	23♒ 7	13♊54	5♎54	21♋25	1♋32	2♋40	1♎56	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s22	0n45	4n52	4s56	1s 1	0s40	0s53	17n52	1n 9	23s53	0s42	16s51	1s58	23n 2	0n16	0s43	2n10	34s59	12s59	23s49	23s49	4s 9		n.a.
S 2	0 59	7 3	5 0	3 57	0 52	0 8	0 51	18 3	1 9	23 52	0 42	16 49	1 58	23 3	0 16	0 42	2 10	34 59	12 59	23 49	23 49	4 12		n.a.
M 3	0 35	12 54	4 47	2 57	0 42	0n24	0 49	18 14	1 9	23 52	0 43	16 47	1 58	23 3	0 16	0 41	2 10	34 59	13 0	23 49	23 49	4 15		n.a.
T 4	0 12	17 52	4 15	1 56	0 32	0 55	0 47	18 25	1 9	23 51	0 43	16 45	1 58	23 3	0 16	0 41	2 10	35 0	13 0	23 50	23 49	4 18		n.a.
W 5	0n11	21 37	3 26	0 54	0 22	1 27	0 45	18 35	1 10	23 50	0 43	16 43	1 58	23 3	0 16	0 40	2 10	35 0	13 0	23 50	23 50	4 20		n.a.
T 6	0 35	23 55	2 26	0n 9	0 11	1 58	0 43	18 46	1 10	23 50	0 43	16 42	1 58	23 3	0 16	0 40	2 10	35 0	13 1	23 50	23 50	4 23		n.a.
F 7	0 58	24 43	1 20	1 11	0 1	2 30	0 41	18 56	1 10	23 49	0 44	16 40	1 59	23 4	0 16	0 39	2 10	35 0	13 1	23 50	23 50	4 26		n.a.
S 8	1 21	24 4	0 11	2 14	0n10	3 1	0 39	19 7	1 10	23 49	0 44	16 38	1 59	23 4	0 16	0 38	2 10	35 0	13 1	23 50	23 50	4 29		n.a.
S 9	1 44	22 9	0s56	3 16	0 21	3 33	0 37	19 17	1 10	23 48	0 44	16 36	1 59	23 4	0 16	0 38	2 10	35 1	13 2	23 50	23 50	4 31		n.a.
M10	2 8	19 13	1 59	4 18	0 31	4 4	0 35	19 27	1 10	23 48	0 44	16 34	1 59	23 4	0 16	0 37	2 10	35 1	13 2	23 50	23 50	4 34		n.a.
T 11	2 31	15 29	2 55	5 20	0 41	4 35	0 32	19 37	1 11	23 47	0 45	16 32	1 59	23 5	0 16	0 36	2 10	35 1	13 2	23 50	23 50	4 37		n.a.
W12	2 54	11 10	3 42	6 20	0 51	5 6	0 30	19 47	1 11	23 46	0 45	16 30	2 0	23 5	0 16	0 36	2 10	35 1	13 3	23 50	23 50	4 40		n.a.
T 13	3 17	6 30	4 19	7 20	1 1	5 37	0 28	19 57	1 11	23 46	0 45	16 28	2 0	23 5	0 16	0 35	2 10	35 2	13 3	23 50	23 50	4 43		n.a.
F 14	3 40	1 37	4 45	8 18	1 10	6 8	0 26	20 6	1 11	23 45	0 45	16 26	2 0	23 5	0 16	0 34	2 10	35 2	13 3	23 51	23 50	4 45		n.a.
S 15	4 3	3s19	4 58	9 14	1 19	6 39	0 23	20 16	1 11	23 45	0 46	16 25	2 0	23 6	0 16	0 34	2 10	35 2	13 4	23 51	23 51	4 48		n.a.
S 16	4 26	8 7	4 58	10 9	1 28	7 10	0 21	20 25	1 11	23 44	0 46	16 23	2 0	23 6	0 16	0 33	2 10	35 2	13 4	23 51	23 51	4 51		n.a.
M17	4 49	12 38	4 45	11 2	1 35	7 40	0 19	20 34	1 12	23 44	0 46	16 21	2 0	23 6	0 16	0 32	2 10	35 3	13 4	23 52	23 51	4 54		n.a.
T 18	5 11	16 42	4 20	11 54	1 43	8 10	0 17	20 43	1 12	23 44	0 46	16 19	2 1	23 6	0 16	0 32	2 10	35 3	13 5	23 52	23 51	4 56		n.a.
W19	5 34	20 6	3 42	12 43	1 49	8 41	0 14	20 52	1 12	23 43	0 47	16 18	2 1	23 7	0 16	0 31	2 10	35 3	13 5	23 52	23 51	4 59		n.a.
T 20	5 57	22 40	2 54	13 30	1 55	9 11	0 12	21 1	1 12	23 43	0 47	16 16	2 1	23 7	0 16	0 30	2 10	35 3	13 5	23 52	23 51	5 2		n.a.
F 21	6 19	24 12	1 58	14 15	2 1	9 40	0 9	21 10	1 12	23 42	0 47	16 14	2 1	23 7	0 16	0 30	2 10	35 4	13 6	23 52	23 51	5 5		n.a.
S 22	6 41	24 32	0 54	14 58	2 6	10 10	0 7	21 18	1 12	23 42	0 47	16 13	2 2	23 8	0 16	0 29	2 10	35 4	13 6	23 52	23 51	5 7		n.a.
S 23	7 4	23 35	0n13	15 39	2 9	10 39	0 5	21 27	1 12	23 41	0 48	16 11	2 2	23 8	0 16	0 29	2 10	35 4	13 6	23 52	23 51	5 10		n.a.
M24	7 26	21 20	1 22	16 17	2 13	11 8	0 2	21 35	1 12	23 41	0 48	16 9	2 2	23 8	0 16	0 28	2 10	35 4	13 7	23 52	23 51	5 13		n.a.
T 25	7 48	17 51	2 28	16 53	2 15	11 37	0n 0	21 43	1 12	23 41	0 48	16 8	2 2	23 8	0 16	0 27	2 10	35 5	13 7	23 52	23 51	5 16		n.a.
W26	8 10	13 17	3 28	17 27	2 17	12 5	0 3	21 51	1 13	23 41	0 49	16 6	2 2	23 9	0 16	0 27	2 10	35 5	13 7	23 52	23 51	5 18		n.a.
T 27	8 32	7 51	4 16	17 59	2 18	12 34	0 5	21 59	1 13	23 40	0 49	16 5	2 3	23 9	0 16	0 26	2 10	35 5	13 8	23 52	23 51	5 21		n.a.
F 28	8 53	1 51	4 49	18 28	2 19	13 2	0 7	22 7	1 13	23 40	0 49	16 3	2 3	23 9	0 16	0 26	2 10	35 6	13 8	23 52	23 52	5 24		n.a.
S 29	9 15	4n21	5 2	18 56	2 18	13 29	0 10	22 14	1 13	23 40	0 49	16 2	2 3	23 10	0 16	0 25	2 10	35 6	13 9	23 53	23 52	5 27		n.a.
S 30	9n37	10n22	4n55	19n21	2n17	13n56	0n12	22n22	1n13	23s39	0s50	16s 0	2s 3	23n10	0n16	0s24	2n10	35s 6	13s 9	23s53	23s52	5s29		n.a.

Julian Day Number = 1116294.5, Delta T = 10h46m57s
Ecliptic obliquity = 23°53'18, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'39, Lahiri = -26°48'39 Julian Calendar 1 Apr. 1657 BCE == Greg. Calendar 18 March 1657 BCE

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

MAY 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 38 57	25♈17'46	29♈46	18♉11	7♉10	3♊44	16♋39	23♒12	13♊57	5°R52	21♋25	1°R23	2♋37	2♎ 3	n.a.	M 1
T 2	13 42 54	26°14'55	14♉45	19°34	8°23	4°21	16°42	23°17	14° 0	5♎51	21°25	1♋15	2°34	2°10	n.a.	T 2
W 3	13 46 50	27°12'02	29°23	20°53	9°37	4°58	16°46	23°22	14° 2	5°49	21°25	1° 9	2°31	2°17	n.a.	W 3
T 4	13 50 47	28° 9'10	13♊34	22°10	10°50	5°35	16°49	23°26	14° 5	5°48	21°25	1° 6	2°27	2°23	n.a.	T 4
F 5	13 54 43	29° 6'16	27°17	23°24	12° 4	6°12	16°52	23°31	14° 8	5°46	21°25	1°D 5	2°24	2°30	n.a.	F 5
S 6	13 58 40	0♉ 3'22	10♋31	24°34	13°17	6°49	16°55	23°35	14°11	5°45	21°R25	1° 5	2°21	2°37	n.a.	S 6
S 7	14 2 37	1° 0'27	23°21	25°42	14°31	7°25	16°58	23°40	14°14	5°43	21°25	1° 5	2°18	2°44	n.a.	S 7
M 8	14 6 33	1°57'32	5♌51	26°46	15°44	8° 2	17° 0	23°44	14°17	5°42	21°25	1°R 6	2°15	2°50	n.a.	M 8
T 9	14 10 30	2°54'36	18° 4	27°48	16°58	8°39	17° 3	23°49	14°20	5°41	21°25	1° 4	2°12	2°57	n.a.	T 9
W10	14 14 26	3°51'39	0♍ 6	28°46	18°11	9°16	17° 5	23°53	14°23	5°39	21°25	1° 1	2° 8	3° 4	n.a.	W10
T 11	14 18 23	4°48'42	12° 1	29°40	19°25	9°53	17° 7	23°57	14°26	5°38	21°25	0°55	2° 5	3°10	n.a.	T 11
F 12	14 22 19	5°45'44	23°53	0♊31	20°38	10°31	17° 9	24° 1	14°29	5°36	21°25	0°48	2° 2	3°17	n.a.	F 12
S 13	14 26 16	6°42'46	5♎45	1°19	21°51	11° 8	17°10	24° 5	14°32	5°35	21°25	0°39	1°59	3°24	n.a.	S 13
S 14	14 30 13	7°39'48	17°40	2° 2	23° 5	11°45	17°12	24° 9	14°35	5°34	21°25	0°29	1°56	3°31	n.a.	S 14
M15	14 34 9	8°36'50	29°40	2°42	24°18	12°22	17°13	24°13	14°38	5°33	21°25	0°19	1°52	3°37	n.a.	M15
T 16	14 38 6	9°33'51	11♏46	3°18	25°32	12°59	17°14	24°16	14°42	5°31	21°24	0°11	1°49	3°44	n.a.	T 16
W17	14 42 2	10°30'53	24° 0	3°50	26°45	13°36	17°15	24°20	14°45	5°30	21°24	0° 4	1°46	3°51	n.a.	W17
T 18	14 45 59	11°27'54	6♐22	4°18	27°58	14°13	17°16	24°24	14°48	5°29	21°24	29♐59	1°43	3°57	n.a.	T 18
F 19	14 49 55	12°24'56	18°54	4°41	29°12	14°50	17°16	24°27	14°51	5°28	21°24	29°57	1°40	4° 4	n.a.	F 19
S 20	14 53 52	13°21'58	1♑38	5° 0	0♊25	15°28	17°16	24°30	14°54	5°26	21°23	29°D56	1°37	4°11	n.a.	S 20
S 21	14 57 48	14°19'00	14°35	5°14	1°38	16° 5	17°R17	24°34	14°58	5°25	21°23	29°57	1°33	4°18	n.a.	S 21
M22	15 1 45	15°16'03	27°49	5°24	2°52	16°42	17°16	24°37	15° 1	5°24	21°23	29°58	1°30	4°24	n.a.	M22
T 23	15 5 42	16°13'06	11♒21	5°30	4° 5	17°19	17°16	24°40	15° 4	5°23	21°22	29°R59	1°27	4°31	n.a.	T 23
W24	15 9 38	17°10'10	25°13	5°R30	5°19	17°57	17°16	24°43	15° 8	5°22	21°22	29°59	1°24	4°38	n.a.	W24
T 25	15 13 35	18° 7'14	9♓24	5°26	6°32	18°34	17°15	24°46	15°11	5°21	21°21	29°57	1°21	4°45	n.a.	T 25
F 26	15 17 31	19° 4'19	23°54	5°17	7°45	19°11	17°14	24°49	15°15	5°20	21°21	29°54	1°18	4°51	n.a.	F 26
S 27	15 21 28	20° 1'24	8♈39	5° 4	8°59	19°49	17°13	24°51	15°18	5°19	21°20	29°49	1°14	4°58	n.a.	S 27
S 28	15 25 24	20°58'30	23°31	4°47	10°12	20°26	17°12	24°54	15°21	5°18	21°20	29°43	1°11	5° 5	n.a.	S 28
M29	15 29 21	21°55'36	8♉24	4°25	11°25	21° 3	17°10	24°57	15°25	5°17	21°19	29°38	1° 8	5°11	n.a.	M29
T 30	15 33 18	22°52'43	23° 9	3°59	12°38	21°41	17° 9	24°59	15°28	5°16	21°19	29°33	1° 5	5°18	n.a.	T 30
W31	15 37 14	23♉49'50	7♊37	3♊30	13♊52	22♊18	17♋ 7	25♒ 1	15♊32	5♎15	21♋18	29♐30	1♋ 2	5♎25	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	9n58	15n45	4n27	19n44	2n15	14n23	0n15	22n29	1n13	23s39	0s50	15s59	2s 4	23n10	0n16	0s24	2n10	35s 7	13s 9	23s53	23s52	5s32			n.a.
T 2	10 19	20 4	3 40	20 5	2 13	14 50	0 17	22 36	1 13	23 39	0 50	15 57	2 4	23 11	0 16	0 23	2 10	35 7	13 10	23 53	23 52	5 35			n.a.
W 3	10 40	23 0	2 40	20 24	2 10	15 16	0 20	22 43	1 13	23 39	0 50	15 56	2 4	23 11	0 16	0 23	2 10	35 7	13 10	23 53	23 52	5 38			n.a.
T 4	11 1	24 23	1 32	20 40	2 6	15 42	0 22	22 50	1 13	23 39	0 51	15 55	2 4	23 11	0 16	0 22	2 10	35 8	13 10	23 53	23 52	5 40			n.a.
F 5	11 22	24 12	0 20	20 55	2 1	16 8	0 24	22 57	1 13	23 39	0 51	15 53	2 5	23 12	0 16	0 21	2 10	35 8	13 11	23 53	23 52	5 43			n.a.
S 6	11 42	22 38	0s50	21 8	1 56	16 33	0 27	23 3	1 13	23 39	0 51	15 52	2 5	23 12	0 16	0 21	2 10	35 8	13 11	23 53	23 52	5 46			n.a.
S 7	12 2	19 55	1 56	21 19	1 49	16 57	0 29	23 10	1 13	23 39	0 52	15 51	2 5	23 12	0 16	0 20	2 10	35 9	13 11	23 53	23 52	5 48			n.a.
M 8	12 23	16 21	2 55	21 28	1 43	17 22	0 31	23 16	1 14	23 38	0 52	15 49	2 5	23 13	0 16	0 20	2 9	35 9	13 12	23 53	23 52	5 51			n.a.
T 9	12 43	12 9	3 44	21 35	1 35	17 45	0 34	23 22	1 14	23 38	0 52	15 48	2 6	23 13	0 16	0 19	2 9	35 9	13 12	23 53	23 52	5 54			n.a.
W10	13 2	7 34	4 22	21 40	1 27	18 9	0 36	23 28	1 14	23 38	0 53	15 47	2 6	23 13	0 16	0 19	2 9	35 10	13 12	23 53	23 52	5 57			n.a.
T 11	13 22	2 45	4 49	21 44	1 18	18 31	0 38	23 34	1 14	23 39	0 53	15 46	2 6	23 14	0 16	0 18	2 9	35 10	13 13	23 53	23 52	5 59			n.a.
F 12	13 41	2s 9	5 3	21 45	1 9	18 54	0 41	23 39	1 14	23 39	0 53	15 45	2 6	23 14	0 16	0 18	2 9	35 11	13 13	23 53	23 52	6 2			n.a.
S 13	14 1	6 58	5 4	21 46	0 58	19 16	0 43	23 45	1 14	23 39	0 53	15 44	2 7	23 15	0 16	0 17	2 9	35 11	13 14	23 53	23 52	6 5			n.a.
S 14	14 20	11 32	4 52	21 44	0 48	19 37	0 45	23 50	1 14	23 39	0 54	15 42	2 7	23 15	0 16	0 17	2 9	35 11	13 14	23 53	23 52	6 7			n.a.
M15	14 38	15 42	4 27	21 41	0 36	19 58	0 47	23 55	1 14	23 39	0 54	15 41	2 7	23 15	0 16	0 16	2 9	35 12	13 14	23 53	23 52	6 10			n.a.
T 16	14 57	19 16	3 49	21 36	0 24	20 18	0 50	24 0	1 14	23 39	0 54	15 40	2 7	23 16	0 16	0 16	2 9	35 12	13 15	23 53	23 53	6 13			n.a.
W17	15 15	22 2	3 1	21 30	0 11	20 38	0 52	24 5	1 14	23 39	0 55	15 39	2 8	23 16	0 16	0 15	2 9	35 12	13 15	23 53	23 53	6 15			n.a.
T 18	15 33	23 48	2 4	21 22	0s 2	20 57	0 54	24 10	1 14	23 39	0 55	15 38	2 8	23 16	0 16	0 15	2 9	35 13	13 15	23 53	23 53	6 18			n.a.
F 19	15 51	24 24	0 59	21 13	0 16	21 16	0 56	24 14	1 14	23 40	0 55	15 37	2 8	23 17	0 16	0 14	2 9	35 13	13 16	23 53	23 53	6 21			n.a.
S 20	16 9	23 44	0n 9	21 3	0 30	21 34	0 58	24 18	1 14	23 40	0 56	15 37	2 8	23 17	0 16	0 14	2 9	35 14	13 16	23 53	23 53	6 24			n.a.
S 21	16 26	21 46	1 18	20 51	0 44	21 51	1 0	24 22	1 14	23 40	0 56	15 36	2 9	23 18	0 16	0 13	2 9	35 14	13 16	23 53	23 53	6 26			n.a.
M22	16 43	18 37	2 25	20 38	0 59	22 8	1 2	24 26	1 14	23 41	0 56	15 35	2 9	23 18	0 16	0 13	2 9	35 14	13 17	23 53	23 53	6 29			n.a.
T 23	17 0	14 25	3 25	20 24	1 15	22 24	1 4	24 30	1 14	23 41	0 56	15 34	2 9	23 18	0 16	0 13	2 9	35 15	13 17	23 53	23 53	6 32			n.a.
W24	17 17	9 22	4 15	20 9	1 30	22 40	1 6	24 34	1 14	23 41	0 57	15 33	2 9	23 19	0 16	0 12	2 9	35 15	13 17	23 53	23 53	6 34			n.a.
T 25	17 33	3 43	4 50	19 53	1 46	22 55	1 8	24 37	1 14	23 42	0 57	15 33	2 10	23 19	0 16	0 12	2 9	35 16	13 18	23 53	23 53	6 37			n.a.
F 26	17 49	2n14	5 8	19 36	2 1	23 9	1 10	24 40	1 14	23 42	0 57	15 32	2 10	23 19	0 16	0 11	2 9	35 16	13 18	23 53	23 53	6 40			n.a.
S 27	18 5	8 10	5 6	19 18	2 17	23 23	1 11	24 43	1 14	23 42	0 58	15 31	2 10	23 20	0 16	0 11	2 9	35 16	13 18	23 53	23 53	6 42			n.a.
S 28	18 20	13 40	4 44	19 0	2 32	23 36	1 13	24 46	1 14	23 43	0 58	15 31	2 11	23 20	0 16	0 11	2 9	35 17	13 19	23 53	23 53	6 45			n.a.
M29	18 35	18 22	4 2	18 41	2 47	23 48	1 15	24 49	1 14	23 43	0 58	15 30	2 11	23 21	0 16	0 10	2 9	35 17	13 19	23 53	23 53	6 48			n.a.
T 30	18 50	21 53	3 5	18 22	3 1	24 0	1 16	24 51	1 14	23 44	0 59	15 29	2 11	23 21	0 16	0 10	2 8	35 18	13 19	23 53	23 53	6 50			n.a.
W31	19n 5	23n54	1n56	18n 3	3s15	24n11	1n18	24n54	1n14	23s44	0s59	15s29	2s11	23n21	0n16	0s10	2n 8	35s18	13s20	23s53	23s53	6s53			n.a.

Julian Day Number = 1116324.5, Delta T = 10h46m55s
Ecliptic obliquity = 23°53'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'35, Lahiri = -26°48'35 Julian Calendar 1 May 1657 BCE == Greg. Calendar 17 Apr. 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

JUNE 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 41 11	24♉46'58	21♊44	2°R57	15♊ 5	22♊56	17°R 5	25♒ 3	15♊35	5°R14	21°R18	29°R28	0♑58	5♎32	n.a.	T 1
F 2	15 45 7	25°44'06	5♋27	2♊22	16°18	23°33	17♑ 3	25° 6	15°39	5♎13	21♑17	29°D28	0°55	5°38	n.a.	F 2
S 3	15 49 4	26°41'15	18°44	1°44	17°32	24°11	17° 0	25° 8	15°43	5°12	21°17	29♐29	0°52	5°45	n.a.	S 3
S 4	15 53 0	27°38'24	1♌37	1° 5	18°45	24°48	16°58	25°10	15°46	5°11	21°16	29°31	0°49	5°52	n.a.	S 4
M 5	15 56 57	28°35'33	14°10	0°25	19°58	25°26	16°55	25°11	15°50	5°10	21°15	29°32	0°46	5°59	n.a.	M 5
T 6	16 0 54	29°32'42	26°26	29♉44	21°11	26° 4	16°52	25°13	15°53	5° 9	21°15	29°R33	0°43	6° 5	n.a.	T 6
W 7	16 4 50	0♊29'52	8♍29	29° 4	22°25	26°41	16°49	25°15	15°57	5° 9	21°14	29°33	0°39	6°12	n.a.	W 7
T 8	16 8 47	1°27'02	20°25	28°25	23°38	27°19	16°46	25°16	16° 1	5° 8	21°13	29°31	0°36	6°19	n.a.	T 8
F 9	16 12 43	2°24'13	2♎18	27°48	24°51	27°57	16°42	25°18	16° 4	5° 7	21°12	29°28	0°33	6°25	n.a.	F 9
S 10	16 16 40	3°21'25	14°12	27°14	26° 4	28°34	16°38	25°19	16° 8	5° 7	21°12	29°25	0°30	6°32	n.a.	S 10
S 11	16 20 36	4°18'37	26°10	26°42	27°17	29°12	16°35	25°20	16°11	5° 6	21°11	29°21	0°27	6°39	n.a.	S 11
M12	16 24 33	5°15'49	8♏16	26°15	28°31	29°50	16°31	25°21	16°15	5° 5	21°10	29°17	0°24	6°46	n.a.	M12
T 13	16 28 29	6°13'03	20°31	25°52	29°44	0♋28	16°26	25°22	16°19	5° 5	21° 9	29°13	0°20	6°52	n.a.	T 13
W14	16 32 26	7°10'17	2♐57	25°33	0♋57	1° 5	16°22	25°23	16°22	5° 4	21° 8	29°11	0°17	6°59	n.a.	W14
T 15	16 36 23	8° 7'33	15°35	25°20	2°10	1°43	16°17	25°24	16°26	5° 4	21° 8	29° 9	0°14	7° 6	n.a.	T 15
F 16	16 40 19	9° 4'49	28°26	25°12	3°23	2°21	16°13	25°25	16°30	5° 3	21° 7	29°D 8	0°11	7°12	n.a.	F 16
S 17	16 44 16	10° 2'07	11♑30	25°D10	4°36	2°59	16° 8	25°25	16°34	5° 3	21° 6	29° 9	0° 8	7°19	n.a.	S 17
S 18	16 48 12	10°59'25	24°46	25°14	5°49	3°37	16° 3	25°26	16°37	5° 2	21° 5	29°10	0° 4	7°26	n.a.	S 18
M19	16 52 9	11°56'45	8♒16	25°24	7° 2	4°15	15°58	25°26	16°41	5° 2	21° 4	29°11	0° 1	7°33	n.a.	M19
T 20	16 56 5	12°54'06	22° 0	25°41	8°15	4°53	15°52	25°26	16°45	5° 2	21° 3	29°12	29♐58	7°39	n.a.	T 20
W21	17 0 2	13°51'29	5♓55	26° 4	9°28	5°31	15°47	25°26	16°48	5° 1	21° 2	29°13	29°55	7°46	n.a.	W21
T 22	17 3 58	14°48'53	20° 3	26°33	10°41	6° 9	15°41	25°R26	16°52	5° 1	21° 1	29°R13	29°52	7°53	n.a.	T 22
F 23	17 7 55	15°46'18	4♈20	27° 9	11°54	6°47	15°36	25°26	16°56	5° 1	21° 0	29°12	29°49	8° 0	n.a.	F 23
S 24	17 11 52	16°43'45	18°45	27°51	13° 7	7°25	15°30	25°26	17° 0	5° 0	20°59	29°11	29°45	8° 6	n.a.	S 24
S 25	17 15 48	17°41'14	3♉13	28°40	14°20	8° 3	15°24	25°26	17° 3	5° 0	20°58	29°10	29°42	8°13	n.a.	S 25
M26	17 19 45	18°38'44	17°39	29°34	15°33	8°41	15°17	25°26	17° 7	5° 0	20°57	29° 9	29°39	8°20	n.a.	M26
T 27	17 23 41	19°36'16	1♊59	0♊35	16°46	9°19	15°11	25°25	17°11	5° 0	20°56	29° 8	29°36	8°26	n.a.	T 27
W28	17 27 38	20°33'49	16° 7	1°41	17°59	9°57	15° 5	25°25	17°14	5° 0	20°55	29° 7	29°33	8°33	n.a.	W28
T 29	17 31 34	21°31'23	29°59	2°54	19°12	10°35	14°58	25°24	17°18	5° 0	20°54	29°D 7	29°30	8°40	n.a.	T 29
F 30	17 35 31	22♊28'59	13♋31	4♊11	20♋25	11♋14	14♑51	25♒23	17♊22	4♎59	20♑53	29♐ 7	29♐26	8♎47	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n19	24n19	0n42	17n44	3s28	24n21	1n20	24n56	1n14	23s45	0s59	15s28	2s12	23n22	0n16	0s 9	2n 8	35s18	13s20	23s53	23s53	6s56		n.a.
F 2	19 33	23 14	0s33	17 25	3 40	24 31	1 21	24 58	1 14	23 46	0 59	15 28	2 12	23 22	0 16	0 9	2 8	35 19	13 20	23 53	23 53	6 58		n.a.
S 3	19 47	20 51	1 43	17 7	3 51	24 39	1 22	24 59	1 14	23 46	1 0	15 28	2 12	23 23	0 16	0 9	2 8	35 19	13 20	23 53	23 53	7 1		n.a.
S 4	20 0	17 28	2 47	16 50	4 1	24 48	1 24	25 1	1 14	23 47	1 0	15 27	2 13	23 23	0 16	0 9	2 8	35 20	13 21	23 53	23 53	7 4		n.a.
M 5	20 13	13 23	3 40	16 33	4 9	24 55	1 25	25 2	1 14	23 47	1 0	15 27	2 13	23 23	0 16	0 8	2 8	35 20	13 21	23 53	23 53	7 6		n.a.
T 6	20 26	8 50	4 22	16 18	4 16	25 1	1 26	25 4	1 14	23 48	1 1	15 26	2 13	23 24	0 16	0 8	2 8	35 20	13 21	23 53	23 53	7 9		n.a.
W 7	20 38	4 2	4 52	16 4	4 22	25 7	1 28	25 5	1 14	23 49	1 1	15 26	2 13	23 24	0 16	0 8	2 8	35 21	13 22	23 53	23 53	7 11		n.a.
T 8	20 50	0s51	5 9	15 52	4 26	25 12	1 29	25 5	1 14	23 50	1 1	15 26	2 14	23 25	0 16	0 7	2 8	35 21	13 22	23 53	23 53	7 14		n.a.
F 9	21 2	5 42	5 13	15 41	4 28	25 17	1 30	25 6	1 14	23 50	1 1	15 26	2 14	23 25	0 16	0 7	2 8	35 22	13 22	23 53	23 53	7 17		n.a.
S 10	21 13	10 20	5 3	15 33	4 29	25 20	1 31	25 7	1 14	23 51	1 2	15 26	2 14	23 25	0 16	0 7	2 8	35 22	13 23	23 53	23 53	7 19		n.a.
S 11	21 24	14 37	4 40	15 27	4 28	25 23	1 32	25 7	1 14	23 52	1 2	15 25	2 15	23 26	0 16	0 7	2 8	35 23	13 23	23 53	23 53	7 22		n.a.
M12	21 35	18 21	4 4	15 23	4 25	25 25	1 33	25 7	1 14	23 53	1 2	15 25	2 15	23 26	0 16	0 7	2 8	35 23	13 23	23 53	23 53	7 25		n.a.
T 13	21 45	21 22	3 17	15 22	4 21	25 27	1 33	25 7	1 14	23 53	1 3	15 25	2 15	23 26	0 16	0 6	2 8	35 23	13 23	23 53	23 53	7 27		n.a.
W14	21 55	23 25	2 19	15 23	4 15	25 27	1 34	25 7	1 14	23 54	1 3	15 25	2 16	23 27	0 16	0 6	2 8	35 24	13 24	23 53	23 53	7 30		n.a.
T 15	22 4	24 19	1 14	15 26	4 8	25 27	1 35	25 6	1 14	23 55	1 3	15 25	2 16	23 27	0 16	0 6	2 8	35 24	13 24	23 53	23 53	7 32		n.a.
F 16	22 14	23 57	0 4	15 32	4 0	25 26	1 35	25 6	1 14	23 56	1 3	15 25	2 16	23 28	0 16	0 6	2 7	35 25	13 24	23 53	23 53	7 35		n.a.
S 17	22 22	22 15	1n 8	15 41	3 51	25 24	1 36	25 5	1 13	23 57	1 4	15 25	2 16	23 28	0 16	0 6	2 7	35 25	13 24	23 53	23 53	7 38		n.a.
S 18	22 31	19 20	2 17	15 52	3 40	25 22	1 36	25 4	1 13	23 58	1 4	15 25	2 17	23 28	0 16	0 6	2 7	35 25	13 25	23 53	23 53	7 40		n.a.
M19	22 39	15 20	3 19	16 5	3 29	25 19	1 37	25 2	1 13	23 59	1 4	15 26	2 17	23 29	0 16	0 6	2 7	35 26	13 25	23 53	23 53	7 43		n.a.
T 20	22 46	10 28	4 12	16 21	3 17	25 15	1 37	25 1	1 13	24 0	1 5	15 26	2 17	23 29	0 16	0 6	2 7	35 26	13 25	23 53	23 53	7 46		n.a.
W21	22 53	5 1	4 50	16 39	3 4	25 10	1 37	24 59	1 13	24 0	1 5	15 26	2 18	23 30	0 16	0 6	2 7	35 27	13 25	23 53	23 53	7 48		n.a.
T 22	23 0	0n45	5 12	16 59	2 51	25 4	1 38	24 58	1 13	24 1	1 5	15 26	2 18	23 30	0 16	0 5	2 7	35 27	13 26	23 53	23 53	7 51		n.a.
F 23	23 7	6 33	5 15	17 21	2 37	24 58	1 38	24 56	1 13	24 2	1 5	15 27	2 18	23 30	0 17	0 5	2 7	35 27	13 26	23 53	23 53	7 53		n.a.
S 24	23 13	12 3	4 58	17 44	2 23	24 51	1 38	24 53	1 13	24 3	1 6	15 27	2 18	23 31	0 17	0 5	2 7	35 28	13 26	23 53	23 53	7 56		n.a.
S 25	23 18	16 54	4 22	18 9	2 8	24 43	1 38	24 51	1 13	24 4	1 6	15 27	2 19	23 31	0 17	0 5	2 7	35 28	13 26	23 53	23 53	7 59		n.a.
M26	23 24	20 46	3 30	18 35	1 54	24 35	1 38	24 48	1 13	24 5	1 6	15 28	2 19	23 31	0 17	0 5	2 7	35 29	13 27	23 53	23 53	8 1		n.a.
T 27	23 28	23 18	2 25	19 3	1 39	24 25	1 37	24 46	1 13	24 6	1 6	15 28	2 19	23 32	0 17	0 5	2 7	35 29	13 27	23 53	23 53	8 4		n.a.
W28	23 33	24 20	1 11	19 31	1 24	24 15	1 37	24 43	1 13	24 7	1 7	15 29	2 20	23 32	0 17	0 5	2 7	35 29	13 27	23 53	23 53	8 6		n.a.
T 29	23 37	23 48	0s 5	20 0	1 9	24 5	1 37	24 40	1 13	24 8	1 7	15 29	2 20	23 33	0 17	0 5	2 7	35 30	13 27	23 53	23 53	8 9		n.a.
F 30	23n40	21n53	1s19	20n29	0s55	23n53	1n36	24n36	1n12	24s 9	1s 7	15s30	2s20	23n33	0n17	0s 5	2n 7	35s30	13s27	23s53	23s53	8s11		n.a.

Julian Day Number = 1116355.5, Delta T = 10h46m53s
Ecliptic obliquity = 23°53'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'31, Lahiri = -26°48'31 Julian Calendar 1 June 1657 BCE == Greg. Calendar 18 May 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

JULY 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 39 28	23♊26'36	26♋44	5♊34	21♋38	11♋52	14°R45	25°R22	17♊26	4°D59	20°R52	29♐ 8	29♐23	8♎53	n.a.	S 1
S 2	17 43 24	24°24'15	9♌35	7° 2	22°51	12°30	14♑38	25♒21	17°29	4♎59	20♑51	29° 8	29°20	9° 0	n.a.	S 2
M 3	17 47 21	25°21'54	22° 9	8°35	24° 4	13° 9	14°31	25°20	17°33	4°59	20°50	29° 9	29°17	9° 7	n.a.	M 3
T 4	17 51 17	26°19'35	4♍26	10°12	25°17	13°47	14°24	25°19	17°37	5° 0	20°49	29° 9	29°14	9°14	n.a.	T 4
W 5	17 55 14	27°17'17	16°31	11°53	26°29	14°25	14°16	25°18	17°40	5° 0	20°47	29° 9	29°10	9°20	n.a.	W 5
T 6	17 59 10	28°15'00	28°28	13°38	27°42	15° 4	14° 9	25°16	17°44	5° 0	20°46	29°R 9	29° 7	9°27	n.a.	T 6
F 7	18 3 7	29°12'45	10♎21	15°26	28°55	15°42	14° 2	25°15	17°48	5° 0	20°45	29°D 9	29° 4	9°34	n.a.	F 7
S 8	18 7 3	0♋10'31	22°16	17°16	0♌ 8	16°21	13°54	25°13	17°51	5° 0	20°44	29° 9	29° 1	9°40	n.a.	S 8
S 9	18 11 0	1° 8'18	4♏16	19° 9	1°20	16°59	13°47	25°11	17°55	5° 0	20°43	29° 9	28°58	9°47	n.a.	S 9
M10	18 14 57	2° 6'07	16°25	21° 4	2°33	17°38	13°39	25°10	17°59	5° 1	20°42	29° 9	28°55	9°54	n.a.	M10
T 11	18 18 53	3° 3'58	28°47	23° 1	3°46	18°16	13°32	25° 8	18° 2	5° 1	20°40	29°10	28°51	10° 1	n.a.	T 11
W12	18 22 50	4° 1'50	11♐25	24°59	4°58	18°55	13°24	25° 6	18° 6	5° 1	20°39	29°10	28°48	10° 7	n.a.	W12
T 13	18 26 46	4°59'43	24°19	26°58	6°11	19°33	13°16	25° 4	18° 9	5° 2	20°38	29°R10	28°45	10°14	n.a.	T 13
F 14	18 30 43	5°57'38	7♑30	28°57	7°24	20°12	13° 8	25° 1	18°13	5° 2	20°37	29°10	28°42	10°21	n.a.	F 14
S 15	18 34 39	6°55'36	20°58	0♋56	8°36	20°51	13° 1	24°59	18°17	5° 2	20°36	29°10	28°39	10°27	n.a.	S 15
S 16	18 38 36	7°53'34	4♒41	2°55	9°49	21°30	12°53	24°57	18°20	5° 3	20°34	29° 9	28°36	10°34	n.a.	S 16
M17	18 42 32	8°51'35	18°36	4°55	11° 1	22° 8	12°45	24°54	18°24	5° 3	20°33	29° 8	28°32	10°41	n.a.	M17
T 18	18 46 29	9°49'38	2♓41	6°53	12°14	22°47	12°37	24°52	18°27	5° 4	20°32	29° 7	28°29	10°48	n.a.	T 18
W19	18 50 26	10°47'43	16°52	8°51	13°26	23°26	12°29	24°49	18°31	5° 4	20°31	29° 6	28°26	10°54	n.a.	W19
T 20	18 54 22	11°45'49	1♈ 6	10°49	14°38	24° 5	12°21	24°46	18°34	5° 5	20°29	29° 5	28°23	11° 1	n.a.	T 20
F 21	18 58 19	12°43'59	15°19	12°45	15°51	24°44	12°13	24°43	18°38	5° 6	20°28	29°D 5	28°20	11° 8	n.a.	F 21
S 22	19 2 15	13°42'10	29°31	14°41	17° 3	25°22	12° 5	24°40	18°41	5° 6	20°27	29° 5	28°16	11°15	n.a.	S 22
S 23	19 6 12	14°40'24	13♉38	16°36	18°15	26° 1	11°58	24°37	18°45	5° 7	20°26	29° 6	28°13	11°21	n.a.	S 23
M24	19 10 8	15°38'39	27°39	18°29	19°28	26°40	11°50	24°34	18°48	5° 8	20°24	29° 7	28°10	11°28	n.a.	M24
T 25	19 14 5	16°36'58	11♊31	20°22	20°40	27°19	11°42	24°31	18°52	5° 8	20°23	29° 9	28° 7	11°35	n.a.	T 25
W26	19 18 1	17°35'18	25°12	22°13	21°52	27°58	11°34	24°28	18°55	5° 9	20°22	29°R 9	28° 4	11°41	n.a.	W26
T 27	19 21 58	18°33'40	8♋40	24° 3	23° 4	28°38	11°26	24°25	18°58	5°10	20°21	29° 9	28° 1	11°48	n.a.	T 27
F 28	19 25 55	19°32'05	21°55	25°52	24°17	29°17	11°18	24°21	19° 2	5°11	20°19	29° 8	27°57	11°55	n.a.	F 28
S 29	19 29 51	20°30'31	4♌54	27°40	25°29	29°56	11°11	24°18	19° 5	5°12	20°18	29° 5	27°54	12° 2	n.a.	S 29
S 30	19 33 48	21°28'59	17°38	29°27	26°41	0♌35	11° 3	24°14	19° 8	5°13	20°17	29° 2	27°51	12° 8	n.a.	S 30
M31	19 37 44	22♋27'29	0♍ 7	1♌13	27♌53	1♌14	10♑55	24♒10	19♊11	5♎14	20♑16	28♐59	27♐48	12♎15	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n43	18n48	2s27	20n58	0s41	23n41	1n36	24n33	1n12	24s10	1s 7	15s30	2s21	23n33	0n17	0s 5	2n 6	35s30	13s28	23s53	23s53	8s14		n.a.
S 2	23 46	14 53	3 26	21 27	0 27	23 29	1 35	24 29	1 12	24 11	1 8	15 31	2 21	23 34	0 17	0 6	2 6	35 31	13 28	23 53	23 53	8 17		n.a.
M 3	23 48	10 24	4 13	21 56	0 13	23 15	1 35	24 25	1 12	24 12	1 8	15 31	2 21	23 34	0 17	0 6	2 6	35 31	13 28	23 53	23 53	8 19		n.a.
T 4	23 50	5 36	4 48	22 23	0 0	23 1	1 34	24 21	1 12	24 13	1 8	15 32	2 21	23 34	0 17	0 6	2 6	35 32	13 28	23 53	23 53	8 22		n.a.
W 5	23 52	0 41	5 9	22 50	0n12	22 46	1 33	24 17	1 12	24 14	1 8	15 33	2 22	23 35	0 17	0 6	2 6	35 32	13 28	23 53	23 53	8 24		n.a.
T 6	23 53	4s12	5 17	23 15	0 24	22 31	1 32	24 12	1 12	24 15	1 8	15 34	2 22	23 35	0 17	0 6	2 6	35 32	13 28	23 53	23 53	8 27		n.a.
F 7	23 53	8 55	5 11	23 39	0 35	22 15	1 31	24 8	1 12	24 16	1 9	15 34	2 22	23 35	0 17	0 6	2 6	35 33	13 29	23 53	23 53	8 29		n.a.
S 8	23 53	13 19	4 52	24 1	0 45	21 58	1 30	24 3	1 12	24 17	1 9	15 35	2 22	23 36	0 17	0 6	2 6	35 33	13 29	23 53	23 53	8 32		n.a.
S 9	23 53	17 14	4 20	24 21	0 55	21 41	1 29	23 58	1 11	24 18	1 9	15 36	2 23	23 36	0 17	0 6	2 6	35 33	13 29	23 53	23 53	8 35		n.a.
M10	23 52	20 29	3 35	24 38	1 4	21 23	1 28	23 53	1 11	24 19	1 9	15 37	2 23	23 37	0 17	0 7	2 6	35 34	13 29	23 53	23 53	8 37		n.a.
T 11	23 51	22 52	2 41	24 53	1 12	21 5	1 27	23 47	1 11	24 20	1 9	15 38	2 23	23 37	0 17	0 7	2 6	35 34	13 29	23 53	23 53	8 40		n.a.
W12	23 49	24 10	1 37	25 6	1 19	20 45	1 25	23 42	1 11	24 21	1 10	15 39	2 24	23 37	0 17	0 7	2 6	35 34	13 29	23 53	23 53	8 42		n.a.
T 13	23 47	24 13	0 27	25 16	1 25	20 26	1 24	23 36	1 11	24 22	1 10	15 40	2 24	23 38	0 17	0 7	2 6	35 35	13 29	23 53	23 53	8 45		n.a.
F 14	23 45	22 54	0n46	25 24	1 31	20 6	1 22	23 30	1 11	24 23	1 10	15 41	2 24	23 38	0 17	0 7	2 6	35 35	13 30	23 53	23 53	8 47		n.a.
S 15	23 42	20 17	1 58	25 28	1 35	19 45	1 21	23 24	1 11	24 24	1 10	15 42	2 24	23 38	0 17	0 8	2 5	35 35	13 30	23 53	23 53	8 50		n.a.
S 16	23 39	16 28	3 4	25 30	1 39	19 24	1 19	23 18	1 10	24 25	1 10	15 43	2 25	23 39	0 17	0 8	2 5	35 36	13 30	23 53	23 53	8 52		n.a.
M17	23 35	11 43	4 1	25 30	1 42	19 2	1 17	23 11	1 10	24 26	1 10	15 44	2 25	23 39	0 17	0 8	2 5	35 36	13 30	23 53	23 53	8 55		n.a.
T 18	23 31	6 19	4 43	25 27	1 45	18 39	1 16	23 5	1 10	24 27	1 11	15 45	2 25	23 39	0 17	0 8	2 5	35 36	13 30	23 53	23 53	8 57		n.a.
W19	23 26	0 33	5 9	25 21	1 47	18 17	1 14	22 58	1 10	24 28	1 11	15 46	2 25	23 40	0 17	0 9	2 5	35 37	13 30	23 53	23 53	9 0		n.a.
T 20	23 21	5n15	5 16	25 14	1 48	17 53	1 12	22 51	1 10	24 29	1 11	15 47	2 26	23 40	0 17	0 9	2 5	35 37	13 30	23 53	23 53	9 2		n.a.
F 21	23 16	10 47	5 4	25 3	1 48	17 30	1 10	22 43	1 10	24 29	1 11	15 49	2 26	23 40	0 17	0 9	2 5	35 37	13 30	23 53	23 53	9 5		n.a.
S 22	23 10	15 45	4 33	24 51	1 48	17 5	1 8	22 36	1 10	24 30	1 11	15 50	2 26	23 41	0 17	0 10	2 5	35 38	13 30	23 53	23 53	9 7		n.a.
S 23	23 4	19 48	3 46	24 36	1 47	16 41	1 6	22 28	1 9	24 31	1 11	15 51	2 26	23 41	0 17	0 10	2 5	35 38	13 30	23 53	23 53	9 10		n.a.
M24	22 57	22 41	2 45	24 20	1 46	16 16	1 3	22 21	1 9	24 32	1 11	15 52	2 27	23 41	0 17	0 10	2 5	35 38	13 31	23 53	23 52	9 12		n.a.
T 25	22 50	24 10	1 36	24 2	1 44	15 50	1 1	22 13	1 9	24 33	1 11	15 54	2 27	23 41	0 17	0 11	2 5	35 38	13 31	23 53	23 52	9 15		n.a.
W26	22 42	24 10	0 22	23 41	1 42	15 24	0 59	22 5	1 9	24 34	1 12	15 55	2 27	23 42	0 17	0 11	2 5	35 39	13 31	23 53	23 52	9 17		n.a.
T 27	22 34	22 44	0s52	23 20	1 39	14 58	0 56	21 56	1 9	24 34	1 12	15 56	2 27	23 42	0 17	0 11	2 5	35 39	13 31	23 53	23 52	9 20		n.a.
F 28	22 26	20 3	2 2	22 56	1 36	14 31	0 54	21 48	1 9	24 35	1 12	15 58	2 27	23 42	0 17	0 12	2 5	35 39	13 31	23 53	23 52	9 22		n.a.
S 29	22 17	16 25	3 4	22 31	1 32	14 4	0 51	21 39	1 8	24 36	1 12	15 59	2 28	23 43	0 17	0 12	2 4	35 39	13 31	23 53	23 52	9 25		n.a.
S 30	22 8	12 6	3 56	22 5	1 28	13 37	0 48	21 31	1 8	24 37	1 12	16 1	2 28	23 43	0 17	0 13	2 4	35 40	13 31	23 53	23 52	9 27		n.a.
M31	21n59	7n22	4s35	21n38	1n24	13n 9	0n46	21n22	1n 8	24s37	1s12	16s 2	2s28	23n43	0n17	0s13	2n 4	35s40	13s31	23s53	23s52	9s30		n.a.

Julian Day Number = 1116385.5, Delta T = 10h46m52s
Ecliptic obliquity = 23°53'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'27, Lahiri = -26°48'26 Julian Calendar 1 July 1657 BCE == Greg. Calendar 17 June 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

AUGUST 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 41 41	23♋26'01	12♍22	2♌58	29♌ 5	1♌54	10°R48	24°R 7	19♊15	5♎15	20°R14	28°R55	27♐45	12♎22	n.a.	T 1
W 2	19 45 37	24°24'35	24°26	4°41	0♍17	2°33	10♑40	24♒ 3	19°18	5°16	20♑13	28♐51	27°41	12°28	n.a.	W 2
T 3	19 49 34	25°23'11	6♎22	6°23	1°29	3°12	10°33	23°59	19°21	5°17	20°12	28°49	27°38	12°35	n.a.	T 3
F 4	19 53 30	26°21'49	18°15	8° 5	2°41	3°52	10°25	23°55	19°24	5°18	20°10	28°47	27°35	12°42	n.a.	F 4
S 5	19 57 27	27°20'28	0♏ 8	9°45	3°53	4°31	10°18	23°51	19°27	5°19	20° 9	28°D47	27°32	12°49	n.a.	S 5
S 6	20 1 23	28°19'09	12° 7	11°24	5° 5	5°10	10°11	23°47	19°31	5°20	20° 8	28°48	27°29	12°55	n.a.	S 6
M 7	20 5 20	29°17'53	24°16	13° 2	6°16	5°50	10° 4	23°43	19°34	5°21	20° 7	28°49	27°26	13° 2	n.a.	M 7
T 8	20 9 17	0♌16'38	6♐40	14°39	7°28	6°29	9°57	23°39	19°37	5°22	20° 5	28°51	27°22	13° 9	n.a.	T 8
W 9	20 13 13	1°15'25	19°23	16°16	8°40	7° 9	9°50	23°35	19°40	5°23	20° 4	28°52	27°19	13°16	n.a.	W 9
T 10	20 17 10	2°14'14	2♑28	17°51	9°51	7°48	9°43	23°30	19°43	5°25	20° 3	28°R53	27°16	13°22	n.a.	T 10
F 11	20 21 6	3°13'05	15°55	19°25	11° 3	8°28	9°37	23°26	19°46	5°26	20° 2	28°51	27°13	13°29	n.a.	F 11
S 12	20 25 3	4°11'59	29°45	20°58	12°15	9° 8	9°30	23°22	19°49	5°27	20° 1	28°48	27°10	13°36	n.a.	S 12
S 13	20 28 59	5°10'54	13♒55	22°30	13°26	9°47	9°24	23°17	19°51	5°28	19°59	28°44	27° 7	13°42	n.a.	S 13
M14	20 32 56	6° 9'51	28°19	24° 1	14°38	10°27	9°17	23°13	19°54	5°30	19°58	28°39	27° 3	13°49	n.a.	M14
T 15	20 36 52	7° 8'51	12♓51	25°32	15°49	11° 7	9°11	23° 8	19°57	5°31	19°57	28°33	27° 0	13°56	n.a.	T 15
W16	20 40 49	8° 7'53	27°26	27° 1	17° 0	11°47	9° 5	23° 4	20° 0	5°33	19°56	28°27	26°57	14° 3	n.a.	W16
T 17	20 44 45	9° 6'58	11♈57	28°29	18°11	12°26	8°59	22°59	20° 3	5°34	19°55	28°23	26°54	14° 9	n.a.	T 17
F 18	20 48 42	10° 6'05	26°19	29°57	19°23	13° 6	8°54	22°55	20° 5	5°35	19°53	28°20	26°51	14°16	n.a.	F 18
S 19	20 52 39	11° 5'14	10♉29	1♍23	20°34	13°46	8°48	22°50	20° 8	5°37	19°52	28°D19	26°47	14°23	n.a.	S 19
S 20	20 56 35	12° 4'27	24°25	2°48	21°45	14°26	8°43	22°45	20°11	5°38	19°51	28°20	26°44	14°29	n.a.	S 20
M21	21 0 32	13° 3'41	8♊ 8	4°13	22°56	15° 6	8°37	22°41	20°13	5°40	19°50	28°21	26°41	14°36	n.a.	M21
T 22	21 4 28	14° 2'59	21°37	5°36	24° 7	15°46	8°32	22°36	20°16	5°41	19°49	28°R22	26°38	14°43	n.a.	T 22
W23	21 8 25	15° 2'18	4♋53	6°58	25°18	16°26	8°27	22°31	20°18	5°43	19°48	28°22	26°35	14°50	n.a.	W23
T 24	21 12 21	16° 1'40	17°58	8°19	26°29	17° 6	8°23	22°26	20°21	5°45	19°46	28°20	26°32	14°56	n.a.	T 24
F 25	21 16 18	17° 1'05	0♌51	9°39	27°40	17°47	8°18	22°22	20°23	5°46	19°45	28°16	26°28	15° 3	n.a.	F 25
S 26	21 20 14	18° 0'31	13°33	10°58	28°51	18°27	8°14	22°17	20°26	5°48	19°44	28°10	26°25	15°10	n.a.	S 26
S 27	21 24 11	19° 0'00	26° 3	12°15	0♎ 1	19° 7	8° 9	22°12	20°28	5°50	19°43	28° 1	26°22	15°16	n.a.	S 27
M28	21 28 7	19°59'31	8♍23	13°31	1°12	19°47	8° 5	22° 7	20°30	5°51	19°42	27°51	26°19	15°23	n.a.	M28
T 29	21 32 4	20°59'04	20°32	14°46	2°22	20°28	8° 1	22° 2	20°33	5°53	19°41	27°41	26°16	15°30	n.a.	T 29
W30	21 36 1	21°58'39	2♎33	15°59	3°33	21° 8	7°58	21°57	20°35	5°55	19°40	27°31	26°13	15°37	n.a.	W30
T 31	21 39 57	22♌58'16	14♎27	17♍10	4♎43	21♌48	7♑54	21♒53	20♊37	5♎56	19♑39	27♐23	26♐ 9	15♎43	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21n49	2n26	5s 1	21n 9	1n20	12n41	0n43	21n13	1n 8	24s38	1s12	16s 3	2s28	23n44	0n17	0s14	2n 4	35s40	13s31	23s53	23s52	9s32			n.a.
W 2	21 38	2s31	5 12	20 39	1 15	12 12	0 40	21 3	1 8	24 39	1 12	16 5	2 29	23 44	0 17	0 14	2 4	35 40	13 31	23 53	23 52	9 35			n.a.
T 3	21 28	7 19	5 11	20 9	1 10	11 44	0 37	20 54	1 7	24 40	1 12	16 6	2 29	23 44	0 17	0 14	2 4	35 41	13 31	23 53	23 52	9 37			n.a.
F 4	21 16	11 49	4 56	19 37	1 4	11 15	0 34	20 44	1 7	24 40	1 12	16 8	2 29	23 44	0 17	0 15	2 4	35 41	13 31	23 53	23 52	9 40			n.a.
S 5	21 5	15 54	4 28	19 5	0 58	10 45	0 31	20 34	1 7	24 41	1 12	16 9	2 29	23 45	0 17	0 15	2 4	35 41	13 31	23 53	23 52	9 42			n.a.
S 6	20 53	19 22	3 48	18 31	0 52	10 16	0 28	20 24	1 7	24 41	1 12	16 11	2 29	23 45	0 17	0 16	2 4	35 41	13 31	23 53	23 52	9 45			n.a.
M 7	20 41	22 4	2 58	17 57	0 46	9 46	0 25	20 14	1 7	24 42	1 12	16 13	2 29	23 45	0 17	0 16	2 4	35 41	13 31	23 53	23 52	9 47			n.a.
T 8	20 28	23 46	1 58	17 23	0 40	9 16	0 22	20 4	1 6	24 43	1 12	16 14	2 30	23 45	0 17	0 17	2 4	35 42	13 31	23 53	23 52	9 50			n.a.
W 9	20 15	24 19	0 52	16 47	0 33	8 46	0 19	19 54	1 6	24 43	1 12	16 16	2 30	23 46	0 17	0 18	2 4	35 42	13 31	23 53	23 52	9 52			n.a.
T 10	20 2	23 32	0n20	16 12	0 27	8 15	0 16	19 43	1 6	24 44	1 12	16 17	2 30	23 46	0 17	0 18	2 4	35 42	13 31	23 53	23 52	9 55			n.a.
F 11	19 48	21 24	1 32	15 35	0 20	7 45	0 12	19 32	1 6	24 44	1 12	16 19	2 30	23 46	0 17	0 19	2 4	35 42	13 31	23 53	23 51	9 57			n.a.
S 12	19 34	17 58	2 40	14 59	0 13	7 14	0 9	19 22	1 5	24 45	1 12	16 21	2 30	23 46	0 17	0 19	2 4	35 42	13 31	23 53	23 51	10 0			n.a.
S 13	19 20	13 27	3 40	14 22	0 6	6 43	0 5	19 10	1 5	24 45	1 12	16 22	2 30	23 47	0 17	0 20	2 4	35 42	13 31	23 53	23 51	10 2			n.a.
M14	19 5	8 6	4 28	13 45	0s 1	6 12	0 2	18 59	1 5	24 46	1 12	16 24	2 31	23 47	0 17	0 20	2 3	35 43	13 31	23 53	23 51	10 4			n.a.
T 15	18 50	2 16	4 58	13 7	0 8	5 40	0s 1	18 48	1 5	24 46	1 12	16 25	2 31	23 47	0 17	0 21	2 3	35 43	13 31	23 53	23 51	10 7			n.a.
W16	18 34	3n41	5 10	12 29	0 16	5 9	0 5	18 36	1 5	24 46	1 12	16 27	2 31	23 47	0 17	0 22	2 3	35 43	13 30	23 53	23 51	10 9			n.a.
T 17	18 19	9 25	5 1	11 51	0 23	4 37	0 9	18 25	1 4	24 47	1 12	16 29	2 31	23 48	0 17	0 22	2 3	35 43	13 30	23 53	23 51	10 12			n.a.
F 18	18 3	14 35	4 34	11 13	0 31	4 6	0 12	18 13	1 4	24 47	1 12	16 30	2 31	23 48	0 17	0 23	2 3	35 43	13 30	23 53	23 51	10 14			n.a.
S 19	17 46	18 52	3 50	10 35	0 38	3 34	0 16	18 1	1 4	24 48	1 12	16 32	2 31	23 48	0 17	0 24	2 3	35 43	13 30	23 53	23 51	10 17			n.a.
S 20	17 30	22 1	2 53	9 57	0 46	3 2	0 19	17 49	1 4	24 48	1 12	16 34	2 31	23 48	0 17	0 24	2 3	35 43	13 30	23 53	23 51	10 19			n.a.
M21	17 13	23 50	1 47	9 19	0 53	2 30	0 23	17 37	1 3	24 48	1 12	16 35	2 31	23 49	0 17	0 25	2 3	35 43	13 30	23 53	23 51	10 21			n.a.
T 22	16 55	24 13	0 36	8 41	1 1	1 58	0 27	17 24	1 3	24 49	1 12	16 37	2 31	23 49	0 17	0 26	2 3	35 43	13 30	23 53	23 51	10 24			n.a.
W23	16 38	23 13	0s35	8 3	1 9	1 26	0 31	17 12	1 3	24 49	1 12	16 39	2 32	23 49	0 17	0 26	2 3	35 44	13 30	23 53	23 51	10 26			n.a.
T 24	16 20	20 57	1 44	7 26	1 16	0 54	0 34	16 59	1 3	24 49	1 12	16 40	2 32	23 49	0 17	0 27	2 3	35 44	13 30	23 53	23 50	10 29			n.a.
F 25	16 2	17 39	2 46	6 48	1 24	0 22	0 38	16 47	1 2	24 49	1 12	16 42	2 32	23 49	0 18	0 28	2 3	35 44	13 30	23 53	23 50	10 31			n.a.
S 26	15 43	13 35	3 38	6 11	1 31	0s10	0 42	16 34	1 2	24 50	1 12	16 44	2 32	23 50	0 18	0 28	2 3	35 44	13 29	23 52	23 50	10 33			n.a.
S 27	15 24	9 0	4 20	5 34	1 39	0 42	0 46	16 21	1 2	24 50	1 12	16 46	2 32	23 50	0 18	0 29	2 3	35 44	13 29	23 52	23 50	10 36			n.a.
M28	15 5	4 8	4 48	4 58	1 46	1 15	0 50	16 7	1 1	24 50	1 12	16 47	2 32	23 50	0 18	0 30	2 3	35 44	13 29	23 52	23 50	10 38			n.a.
T 29	14 46	0s49	5 3	4 22	1 53	1 47	0 54	15 54	1 1	24 50	1 12	16 49	2 32	23 50	0 18	0 30	2 3	35 44	13 29	23 52	23 50	10 41			n.a.
W30	14 27	5 40	5 4	3 47	2 0	2 19	0 57	15 41	1 1	24 50	1 12	16 51	2 32	23 50	0 18	0 31	2 3	35 44	13 29	23 52	23 50	10 43			n.a.
T 31	14n 7	10s16	4s52	3n13	2s 7	2s51	1s 1	15n27	1n 1	24s51	1s12	16s52	2s32	23n51	0n18	0s32	2n 3	35s44	13s29	23s52	23s50	10s45			n.a.

Julian Day Number = 1116416.5, Delta T = 10h46m50s
Ecliptic obliquity = 23°53'16, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'23, Lahiri = -26°48'22 Julian Calendar 1 Aug. 1657 BCE == Greg. Calendar 18 July 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

SEPTEMBER 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 43 54	23♌57'55	26♎17	18♍20	5♎54	22♌29	7°R51	21°R48	20♊39	5♎58	19°R38	27°R17	26♐ 6	15♎50	n.a.	F 1
S 2	21 47 50	24°57'36	8♏ 8	19°27	7° 4	23° 9	7♑48	21♒43	20°41	6° 0	19♑37	27♐13	26° 3	15°57	n.a.	S 2
S 3	21 51 47	25°57'19	20° 4	20°33	8°14	23°50	7°45	21°38	20°43	6° 2	19°36	27°11	26° 0	16° 3	n.a.	S 3
M 4	21 55 43	26°57'04	2♐ 9	21°36	9°24	24°30	7°42	21°33	20°45	6° 4	19°35	27°D11	25°57	16°10	n.a.	M 4
T 5	21 59 40	27°56'51	14°30	22°37	10°34	25°11	7°39	21°29	20°47	6° 5	19°34	27°12	25°53	16°17	n.a.	T 5
W 6	22 3 36	28°56'40	27°11	23°34	11°44	25°51	7°37	21°24	20°49	6° 7	19°33	27°R12	25°50	16°24	n.a.	W 6
T 7	22 7 33	29°56'30	10♑17	24°29	12°54	26°32	7°35	21°19	20°51	6° 9	19°32	27°12	25°47	16°30	n.a.	T 7
F 8	22 11 30	0♍56'23	23°50	25°21	14° 4	27°13	7°33	21°14	20°53	6°11	19°31	27° 9	25°44	16°37	n.a.	F 8
S 9	22 15 26	1°56'17	7♒51	26° 8	15°14	27°54	7°31	21°10	20°55	6°13	19°30	27° 3	25°41	16°44	n.a.	S 9
S 10	22 19 23	2°56'13	22°18	26°52	16°23	28°34	7°29	21° 5	20°56	6°15	19°30	26°55	25°38	16°50	n.a.	S 10
M11	22 23 19	3°56'12	7♓ 5	27°31	17°33	29°15	7°28	21° 0	20°58	6°17	19°29	26°46	25°34	16°57	n.a.	M11
T 12	22 27 16	4°56'12	22° 4	28° 5	18°42	29°56	7°27	20°56	21° 0	6°19	19°28	26°35	25°31	17° 4	n.a.	T 12
W13	22 31 12	5°56'14	7♈ 6	28°33	19°51	0♍37	7°26	20°51	21° 1	6°21	19°27	26°25	25°28	17°11	n.a.	W13
T 14	22 35 9	6°56'19	22° 0	28°55	21° 0	1°18	7°25	20°47	21° 3	6°23	19°26	26°17	25°25	17°17	n.a.	T 14
F 15	22 39 5	7°56'26	6♉40	29°11	22° 9	1°59	7°24	20°42	21° 4	6°25	19°26	26°11	25°22	17°24	n.a.	F 15
S 16	22 43 2	8°56'35	21° 1	29°19	23°18	2°40	7°24	20°38	21° 6	6°27	19°25	26° 7	25°19	17°31	n.a.	S 16
S 17	22 46 58	9°56'47	4♊59	29°R20	24°27	3°21	7°D24	20°33	21° 7	6°29	19°24	26°D 6	25°15	17°37	n.a.	S 17
M18	22 50 55	10°57'01	18°36	29°12	25°36	4° 2	7°24	20°29	21° 8	6°31	19°23	26°R 6	25°12	17°44	n.a.	M18
T 19	22 54 52	11°57'17	1♋54	28°55	26°44	4°43	7°24	20°25	21° 9	6°33	19°23	26° 6	25° 9	17°51	n.a.	T 19
W20	22 58 48	12°57'35	14°54	28°29	27°53	5°24	7°25	20°20	21°11	6°35	19°22	26° 5	25° 6	17°58	n.a.	W20
T 21	23 2 45	13°57'56	27°41	27°53	29° 1	6° 6	7°25	20°16	21°12	6°38	19°21	26° 1	25° 3	18° 4	n.a.	T 21
F 22	23 6 41	14°58'19	10♌15	27° 7	0♏ 9	6°47	7°26	20°12	21°13	6°40	19°21	25°55	24°59	18°11	n.a.	F 22
S 23	23 10 38	15°58'43	22°40	26°13	1°17	7°28	7°27	20° 8	21°14	6°42	19°20	25°45	24°56	18°18	n.a.	S 23
S 24	23 14 34	16°59'10	4♍56	25°10	2°25	8°10	7°28	20° 4	21°15	6°44	19°20	25°32	24°53	18°24	n.a.	S 24
M25	23 18 31	17°59'38	17° 5	24° 0	3°33	8°51	7°30	20° 0	21°16	6°46	19°19	25°18	24°50	18°31	n.a.	M25
T 26	23 22 27	19° 0'08	29° 6	22°45	4°41	9°33	7°31	19°56	21°17	6°48	19°18	25° 3	24°47	18°38	n.a.	T 26
W27	23 26 24	20° 0'40	11♎ 2	21°26	5°48	10°14	7°33	19°52	21°18	6°50	19°18	24°49	24°44	18°45	n.a.	W27
T 28	23 30 20	21° 1'14	22°54	20° 7	6°56	10°56	7°35	19°48	21°18	6°53	19°17	24°36	24°40	18°51	n.a.	T 28
F 29	23 34 17	22° 1'49	4♏43	18°49	8° 3	11°37	7°38	19°45	21°19	6°55	19°17	24°26	24°37	18°58	n.a.	F 29
S 30	23 38 14	23♍ 2'26	16♏32	17♍35	9♏10	12♍19	7♑40	19♒41	21♊20	6♎57	19♑17	24♐19	24♐34	19♎ 5	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n47	14s28	4s27	2n39	2s14	3s23	1s 5	15n14	1n 0	24s51	1s12	16s54	2s32	23n51	0n18	0s33	2n 2	35s44	13s29	23s52	23s50	10s48		n.a.
S 2	13 27	18 7	3 51	2 6	2 20	3 55	1 9	15 0	1 0	24 51	1 12	16 55	2 32	23 51	0 18	0 33	2 2	35 44	13 29	23 51	23 50	10 50		n.a.
S 3	13 6	21 3	3 5	1 34	2 27	4 26	1 13	14 46	1 0	24 51	1 12	16 57	2 32	23 51	0 18	0 34	2 2	35 44	13 28	23 51	23 50	10 53		n.a.
M 4	12 45	23 6	2 10	1 3	2 33	4 58	1 17	14 32	0 59	24 51	1 12	16 59	2 32	23 51	0 18	0 35	2 2	35 44	13 28	23 51	23 49	10 55		n.a.
T 5	12 25	24 5	1 7	0 34	2 39	5 30	1 21	14 18	0 59	24 51	1 12	17 0	2 32	23 51	0 18	0 36	2 2	35 44	13 28	23 51	23 49	10 57		n.a.
W 6	12 3	23 52	0 0	0 6	2 44	6 1	1 25	14 3	0 59	24 51	1 11	17 2	2 32	23 52	0 18	0 37	2 2	35 44	13 28	23 51	23 49	11 0		n.a.
T 7	11 42	22 20	1n 9	0s21	2 49	6 32	1 28	13 49	0 58	24 51	1 11	17 3	2 32	23 52	0 18	0 37	2 2	35 44	13 28	23 51	23 49	11 2		n.a.
F 8	11 21	19 30	2 17	0 46	2 54	7 4	1 32	13 34	0 58	24 51	1 11	17 5	2 32	23 52	0 18	0 38	2 2	35 44	13 27	23 51	23 49	11 4		n.a.
S 9	10 59	15 27	3 18	1 9	2 58	7 35	1 36	13 20	0 58	24 51	1 11	17 7	2 32	23 52	0 18	0 39	2 2	35 44	13 27	23 51	23 49	11 7		n.a.
S 10	10 37	10 25	4 9	1 30	3 2	8 6	1 40	13 5	0 57	24 51	1 11	17 8	2 32	23 52	0 18	0 40	2 2	35 44	13 27	23 51	23 49	11 9		n.a.
M11	10 15	4 41	4 45	1 48	3 4	8 36	1 44	12 50	0 57	24 51	1 11	17 10	2 32	23 52	0 18	0 41	2 2	35 44	13 27	23 51	23 49	11 11		n.a.
T 12	9 53	1n24	5 1	2 4	3 7	9 7	1 48	12 35	0 57	24 51	1 11	17 11	2 32	23 52	0 18	0 42	2 2	35 44	13 27	23 51	23 49	11 14		n.a.
W13	9 30	7 24	4 57	2 17	3 8	9 37	1 51	12 20	0 56	24 51	1 11	17 13	2 32	23 53	0 18	0 42	2 2	35 44	13 27	23 50	23 49	11 16		n.a.
T 14	9 8	12 55	4 32	2 26	3 9	10 7	1 55	12 5	0 56	24 51	1 11	17 14	2 32	23 53	0 18	0 43	2 2	35 44	13 26	23 50	23 48	11 18		n.a.
F 15	8 45	17 37	3 50	2 32	3 8	10 37	1 59	11 50	0 56	24 51	1 11	17 15	2 32	23 53	0 18	0 44	2 2	35 43	13 26	23 50	23 48	11 21		n.a.
S 16	8 22	21 9	2 55	2 34	3 6	11 6	2 2	11 35	0 55	24 51	1 10	17 17	2 32	23 53	0 18	0 45	2 2	35 43	13 26	23 50	23 48	11 23		n.a.
S 17	7 59	23 19	1 49	2 31	3 3	11 36	2 6	11 19	0 55	24 51	1 10	17 18	2 32	23 53	0 18	0 46	2 2	35 43	13 26	23 50	23 48	11 25		n.a.
M18	7 36	24 3	0 40	2 24	2 59	12 5	2 10	11 4	0 55	24 51	1 10	17 20	2 32	23 53	0 18	0 47	2 2	35 43	13 25	23 50	23 48	11 28		n.a.
T 19	7 12	23 22	0s31	2 12	2 53	12 34	2 13	10 48	0 54	24 51	1 10	17 21	2 32	23 53	0 18	0 47	2 2	35 43	13 25	23 50	23 48	11 30		n.a.
W20	6 49	21 25	1 38	1 54	2 45	13 2	2 17	10 32	0 54	24 50	1 10	17 22	2 32	23 53	0 18	0 48	2 2	35 43	13 25	23 50	23 48	11 32		n.a.
T 21	6 25	18 25	2 39	1 31	2 36	13 30	2 20	10 16	0 54	24 50	1 10	17 24	2 32	23 54	0 18	0 49	2 2	35 43	13 25	23 50	23 48	11 35		n.a.
F 22	6 2	14 37	3 31	1 2	2 24	13 58	2 23	10 1	0 53	24 50	1 10	17 25	2 32	23 54	0 18	0 50	2 2	35 43	13 25	23 49	23 47	11 37		n.a.
S 23	5 38	10 15	4 12	0 28	2 11	14 26	2 27	9 45	0 53	24 50	1 10	17 26	2 32	23 54	0 18	0 51	2 2	35 43	13 24	23 49	23 47	11 39		n.a.
S 24	5 14	5 32	4 41	0n11	1 56	14 53	2 30	9 28	0 53	24 50	1 10	17 27	2 32	23 54	0 18	0 52	2 2	35 42	13 24	23 49	23 47	11 42		n.a.
M25	4 50	0 40	4 56	0 55	1 39	15 20	2 33	9 12	0 52	24 50	1 9	17 29	2 31	23 54	0 18	0 53	2 2	35 42	13 24	23 48	23 47	11 44		n.a.
T 26	4 26	4s11	4 59	1 42	1 21	15 46	2 37	8 56	0 52	24 49	1 9	17 30	2 31	23 54	0 18	0 54	2 2	35 42	13 24	23 48	23 47	11 46		n.a.
W27	4 2	8 50	4 48	2 31	1 1	16 12	2 40	8 40	0 51	24 49	1 9	17 31	2 31	23 54	0 18	0 55	2 2	35 42	13 23	23 47	23 47	11 48		n.a.
T 28	3 37	13 8	4 24	3 22	0 41	16 38	2 43	8 23	0 51	24 49	1 9	17 32	2 31	23 54	0 18	0 55	2 2	35 42	13 23	23 47	23 47	11 51		n.a.
F 29	3 13	16 55	3 50	4 12	0 20	17 3	2 46	8 7	0 51	24 49	1 9	17 33	2 31	23 54	0 18	0 56	2 2	35 42	13 23	23 46	23 47	11 53		n.a.
S 30	2n49	20s 2	3s 5	5n 0	0n 0	17s28	2s48	7n50	0n50	24s48	1s 9	17s34	2s31	23n54	0n18	0s57	2n 2	35s41	13s23	23s46	23s46	11s55		n.a.

Julian Day Number = 1116447.5, Delta T = 10h46m48s
Ecliptic obliquity = 23°53'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'19, Lahiri = -26°48'18 Julian Calendar 1 Sept. 1657 BCE == Greg. Calendar 18 Aug. 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

OCTOBER 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 42 10	24♍ 3'04	28♏26	16°R27	10♏17	13♍ 0	7♉43	19°R38	21♊20	6♎59	19°R16	24°R15	24♐31	19♎11	n.a.	S 1
M 2	23 46 7	25° 3'44	10♐29	15♍29	11°23	13°42	7°46	19♒34	21°21	7° 1	19♉16	24♐13	24°28	19°18	n.a.	M 2
T 3	23 50 3	26° 4'25	22°45	14°40	12°30	14°24	7°49	19°31	21°21	7° 4	19°15	24°13	24°24	19°25	n.a.	T 3
W 4	23 54 0	27° 5'08	5♉20	14° 2	13°36	15° 6	7°52	19°28	21°22	7° 6	19°15	24°13	24°21	19°32	n.a.	W 4
T 5	23 57 56	28° 5'52	18°20	13°36	14°42	15°48	7°55	19°24	21°22	7° 8	19°15	24°12	24°18	19°38	n.a.	T 5
F 6	0 1 53	29° 6'37	1♒47	13°22	15°48	16°29	7°59	19°21	21°22	7°10	19°14	24° 9	24°15	19°45	n.a.	F 6
S 7	0 5 49	0♎ 7'23	15°45	13°D19	16°53	17°11	8° 3	19°18	21°23	7°13	19°14	24° 3	24°12	19°52	n.a.	S 7
S 8	0 9 46	1° 8'11	0♓13	13°27	17°59	17°53	8° 7	19°15	21°23	7°15	19°14	23°54	24° 9	19°58	n.a.	S 8
M 9	0 13 43	2° 8'59	15° 7	13°46	19° 4	18°35	8°11	19°12	21°23	7°17	19°14	23°44	24° 5	20° 5	n.a.	M 9
T 10	0 17 39	3° 9'49	0♈19	14°13	20° 9	19°17	8°15	19°10	21°23	7°19	19°13	23°32	24° 2	20°12	n.a.	T 10
W11	0 21 36	4°10'41	15°38	14°49	21°13	19°59	8°20	19° 7	21°R23	7°22	19°13	23°21	23°59	20°19	n.a.	W11
T 12	0 25 32	5°11'34	0♉53	15°33	22°18	20°41	8°25	19° 4	21°23	7°24	19°13	23°12	23°56	20°25	n.a.	T 12
F 13	0 29 29	6°12'28	15°54	16°24	23°22	21°24	8°30	19° 2	21°23	7°26	19°13	23° 5	23°53	20°32	n.a.	F 13
S 14	0 33 25	7°13'24	0♊31	17°20	24°26	22° 6	8°35	18°59	21°23	7°28	19°13	23° 0	23°50	20°39	n.a.	S 14
S 15	0 37 22	8°14'22	14°43	18°21	25°29	22°48	8°40	18°57	21°23	7°31	19°13	22°59	23°46	20°45	n.a.	S 15
M16	0 41 18	9°15'21	28°27	19°27	26°33	23°30	8°45	18°55	21°23	7°33	19°13	22°D59	23°43	20°52	n.a.	M16
T 17	0 45 15	10°16'22	11♋46	20°37	27°35	24°13	8°51	18°53	21°22	7°35	19°D13	22°R59	23°40	20°59	n.a.	T 17
W18	0 49 12	11°17'24	24°43	21°50	28°38	24°55	8°57	18°51	21°22	7°37	19°13	22°58	23°37	21° 5	n.a.	W18
T 19	0 53 8	12°18'27	7♌21	23° 6	29°40	25°37	9° 3	18°49	21°22	7°40	19°13	22°55	23°34	21°12	n.a.	T 19
F 20	0 57 5	13°19'32	19°45	24°25	0♐42	26°20	9° 9	18°47	21°21	7°42	19°13	22°50	23°30	21°19	n.a.	F 20
S 21	1 1 1	14°20'38	1♍59	25°45	1°44	27° 2	9°15	18°46	21°21	7°44	19°13	22°41	23°27	21°26	n.a.	S 21
S 22	1 4 58	15°21'45	14° 3	27° 8	2°45	27°45	9°22	18°44	21°20	7°46	19°13	22°30	23°24	21°32	n.a.	S 22
M23	1 8 54	16°22'54	26° 3	28°32	3°46	28°28	9°29	18°43	21°19	7°49	19°13	22°18	23°21	21°39	n.a.	M23
T 24	1 12 51	17°24'03	7♎57	29°57	4°47	29°10	9°35	18°41	21°19	7°51	19°13	22° 4	23°18	21°46	n.a.	T 24
W25	1 16 47	18°25'14	19°49	1♎23	5°47	29°53	9°42	18°40	21°18	7°53	19°13	21°51	23°15	21°52	n.a.	W25
T 26	1 20 44	19°26'25	1♏40	2°50	6°47	0♎36	9°50	18°39	21°17	7°55	19°14	21°40	23°11	21°59	n.a.	T 26
F 27	1 24 41	20°27'37	13°31	4°18	7°46	1°18	9°57	18°38	21°16	7°58	19°14	21°31	23° 8	22° 6	n.a.	F 27
S 28	1 28 37	21°28'50	25°23	5°47	8°45	2° 1	10° 4	18°37	21°15	8° 0	19°14	21°25	23° 5	22°13	n.a.	S 28
S 29	1 32 34	22°30'03	7♐20	7°16	9°43	2°44	10°12	18°36	21°15	8° 2	19°14	21°21	23° 2	22°19	n.a.	S 29
M30	1 36 30	23°31'17	19°25	8°46	10°41	3°27	10°20	18°35	21°14	8° 4	19°15	21°D20	22°59	22°26	n.a.	M30
T 31	1 40 27	24♎32'32	1♑42	10♎16	11♐38	4♎10	10♑28	18♒35	21♊12	8♎ 6	19♑15	21♐20	22♐55	22♎33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	2n24	22s19	2s12	5n45	0n20	17s53	2s51	7n34	0n50	24s48	1s 9	17s35	2s31	23n54	0n18	0s58	2n 2	35s41	13s22	23s46	23s46	11s58		n.a.	S 1
M 2	2 0	23 37	1 12	6 26	0 39	18 17	2 54	7 17	0 49	24 48	1 9	17 36	2 31	23 54	0 18	0 59	2 2	35 41	13 22	23 46	23 46	12 0		n.a.	M 2
T 3	1 35	23 49	0 8	7 1	0 57	18 40	2 57	7 0	0 49	24 48	1 8	17 37	2 31	23 54	0 19	1 0	2 2	35 41	13 22	23 46	23 46	12 2		n.a.	T 3
W 4	1 11	22 48	0n58	7 31	1 13	19 3	2 59	6 43	0 49	24 47	1 8	17 38	2 30	23 55	0 19	1 1	2 2	35 41	13 21	23 46	23 46	12 4		n.a.	W 4
T 5	0 46	20 34	2 4	7 54	1 27	19 26	3 2	6 27	0 48	24 47	1 8	17 39	2 30	23 55	0 19	1 2	2 1	35 40	13 21	23 45	23 46	12 7		n.a.	T 5
F 6	0 22	17 8	3 5	8 11	1 40	19 48	3 4	6 10	0 48	24 47	1 8	17 40	2 30	23 55	0 19	1 3	2 1	35 40	13 21	23 45	23 46	12 9		n.a.	F 6
S 7	0s 3	12 39	3 57	8 22	1 51	20 10	3 6	5 53	0 47	24 46	1 8	17 41	2 30	23 55	0 19	1 4	2 1	35 40	13 21	23 45	23 45	12 11		n.a.	S 7
S 8	0 28	7 19	4 36	8 27	2 0	20 31	3 9	5 36	0 47	24 46	1 8	17 42	2 30	23 55	0 19	1 4	2 1	35 40	13 20	23 45	23 45	12 13		n.a.	S 8
M 9	0 52	1 25	4 57	8 27	2 7	20 52	3 11	5 18	0 47	24 45	1 8	17 42	2 30	23 55	0 19	1 5	2 1	35 39	13 20	23 44	23 45	12 16		n.a.	M 9
T 10	1 17	4n41	4 58	8 21	2 13	21 12	3 13	5 1	0 46	24 45	1 8	17 43	2 29	23 55	0 19	1 6	2 1	35 39	13 20	23 44	23 45	12 18		n.a.	T 10
W11	1 41	10 32	4 38	8 11	2 17	21 31	3 14	4 44	0 46	24 45	1 8	17 44	2 29	23 55	0 19	1 7	2 1	35 39	13 20	23 43	23 45	12 20		n.a.	W11
T 12	2 6	15 43	3 59	7 57	2 20	21 50	3 16	4 27	0 45	24 44	1 7	17 44	2 29	23 55	0 19	1 8	2 1	35 39	13 19	23 43	23 45	12 22		n.a.	T 12
F 13	2 31	19 49	3 3	7 38	2 22	22 9	3 18	4 9	0 45	24 44	1 7	17 45	2 29	23 55	0 19	1 9	2 1	35 38	13 19	23 42	23 45	12 25		n.a.	F 13
S 14	2 55	22 32	1 56	7 16	2 22	22 27	3 19	3 52	0 44	24 43	1 7	17 46	2 29	23 55	0 19	1 10	2 1	35 38	13 19	23 42	23 44	12 27		n.a.	S 14
S 15	3 20	23 43	0 44	6 52	2 22	22 44	3 21	3 35	0 44	24 43	1 7	17 46	2 29	23 55	0 19	1 11	2 1	35 38	13 18	23 42	23 44	12 29		n.a.	S 15
M16	3 44	23 24	0s29	6 24	2 21	23 1	3 22	3 17	0 43	24 42	1 7	17 47	2 28	23 55	0 19	1 12	2 1	35 38	13 18	23 42	23 44	12 31		n.a.	M16
T 17	4 8	21 44	1 38	5 54	2 19	23 17	3 23	3 0	0 43	24 42	1 7	17 47	2 28	23 55	0 19	1 13	2 1	35 37	13 18	23 42	23 44	12 34		n.a.	T 17
W18	4 33	18 58	2 40	5 22	2 16	23 33	3 24	2 42	0 42	24 41	1 7	17 48	2 28	23 55	0 19	1 14	2 1	35 37	13 18	23 42	23 44	12 36		n.a.	W18
T 19	4 57	15 21	3 32	4 49	2 13	23 48	3 25	2 25	0 42	24 41	1 7	17 48	2 28	23 55	0 19	1 14	2 1	35 37	13 17	23 42	23 44	12 38		n.a.	T 19
F 20	5 21	11 9	4 14	4 14	2 9	24 2	3 26	2 7	0 41	24 40	1 6	17 49	2 28	23 55	0 19	1 15	2 1	35 36	13 17	23 41	23 44	12 40		n.a.	F 20
S 21	5 45	6 34	4 43	3 37	2 5	24 16	3 26	1 49	0 41	24 40	1 6	17 49	2 28	23 55	0 19	1 16	2 1	35 36	13 17	23 41	23 43	12 42		n.a.	S 21
S 22	6 10	1 48	4 59	3 0	2 0	24 29	3 27	1 32	0 40	24 39	1 6	17 49	2 27	23 55	0 19	1 17	2 1	35 36	13 16	23 40	23 43	12 45		n.a.	S 22
M23	6 33	2s59	5 1	2 21	1 55	24 41	3 27	1 14	0 40	24 38	1 6	17 49	2 27	23 55	0 19	1 18	2 1	35 36	13 16	23 40	23 43	12 47		n.a.	M23
T 24	6 57	7 39	4 51	1 42	1 50	24 53	3 27	0 56	0 40	24 38	1 6	17 50	2 27	23 55	0 19	1 19	2 1	35 35	13 16	23 39	23 43	12 49		n.a.	T 24
W25	7 21	12 0	4 27	1 2	1 44	25 4	3 27	0 39	0 39	24 37	1 6	17 50	2 27	23 55	0 19	1 20	2 1	35 35	13 16	23 38	23 43	12 51		n.a.	W25
T 26	7 45	15 54	3 53	0 21	1 38	25 15	3 27	0 21	0 39	24 37	1 6	17 50	2 27	23 55	0 19	1 21	2 2	35 35	13 15	23 37	23 43	12 53		n.a.	T 26
F 27	8 8	19 10	3 8	0s20	1 32	25 24	3 27	0 3	0 38	24 36	1 6	17 50	2 26	23 55	0 19	1 22	2 2	35 34	13 15	23 37	23 42	12 56		n.a.	F 27
S 28	8 32	21 38	2 14	1 2	1 26	25 34	3 26	0s15	0 37	24 35	1 6	17 50	2 26	23 55	0 19	1 22	2 2	35 34	13 15	23 36	23 42	12 58		n.a.	S 28
S 29	8 55	23 10	1 14	1 43	1 20	25 42	3 25	0 33	0 37	24 35	1 5	17 50	2 26	23 55	0 19	1 23	2 2	35 34	13 14	23 36	23 42	13 0		n.a.	S 29
M30	9 18	23 38	0 10	2 25	1 13	25 50	3 24	0 50	0 36	24 34	1 5	17 50	2 26	23 55	0 19	1 24	2 2	35 33	13 14	23 36	23 42	13 2		n.a.	M30
T 31	9s41	22s57	0n55	3s 7	1n 7	25s57	3s23	1s 8	0n36	24s33	1s 5	17s50	2s26	23n55	0n19	1s25	2n 2	35s33	13s14	23s36	23s42	13s 4		n.a.	T 31

Julian Day Number = 1116477.5, Delta T = 10h46m46s
Ecliptic obliquity = 23°53'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'14, Lahiri = -26°48'14 Julian Calendar 1 Oct. 1657 BCE == Greg. Calendar 17 Sept. 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

NOVEMBER 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 44 23	25♎33'47	14♑15	11♎47	12♐35	4♎53	10♑36	18°R34	21°R11	8♎ 9	19♑15	21♐21	22♐52	22♎39	n.a.	W 1
T 2	1 48 20	26°35'02	27° 9	13°18	13°31	5°36	10°44	18♒34	21♊10	8°11	19°16	21°R22	22°49	22°46	n.a.	T 2
F 3	1 52 16	27°36'17	10♒27	14°49	14°27	6°19	10°52	18°34	21° 9	8°13	19°16	21°21	22°46	22°53	n.a.	F 3
S 4	1 56 13	28°37'33	24°14	16°21	15°22	7° 2	11° 1	18°34	21° 8	8°15	19°17	21°18	22°43	22°59	n.a.	S 4
S 5	2 0 10	29°38'49	8♓29	17°52	16°16	7°45	11°10	18°D34	21° 6	8°17	19°17	21°13	22°40	23° 6	n.a.	S 5
M 6	2 4 6	0♏40'05	23°12	19°24	17°10	8°28	11°18	18°34	21° 5	8°19	19°18	21° 6	22°36	23°13	n.a.	M 6
T 7	2 8 3	1°41'21	8♈16	20°56	18° 3	9°11	11°27	18°34	21° 4	8°22	19°18	20°58	22°33	23°20	n.a.	T 7
W 8	2 11 59	2°42'37	23°34	22°29	18°55	9°54	11°36	18°34	21° 2	8°24	19°19	20°50	22°30	23°26	n.a.	W 8
T 9	2 15 56	3°43'54	8♉53	24° 1	19°47	10°38	11°46	18°35	21° 1	8°26	19°19	20°44	22°27	23°33	n.a.	T 9
F 10	2 19 52	4°45'11	24° 2	25°34	20°38	11°21	11°55	18°35	20°59	8°28	19°20	20°39	22°24	23°40	n.a.	F 10
S 11	2 23 49	5°46'29	8♊54	27° 7	21°28	12° 4	12° 4	18°36	20°58	8°30	19°20	20°36	22°21	23°46	n.a.	S 11
S 12	2 27 46	6°47'47	23°19	28°40	22°17	12°48	12°14	18°37	20°56	8°32	19°21	20°D36	22°17	23°53	n.a.	S 12
M13	2 31 42	7°49'05	7♋17	0♏13	23° 5	13°31	12°24	18°38	20°54	8°34	19°22	20°36	22°14	24° 0	n.a.	M13
T 14	2 35 39	8°50'24	20°46	1°47	23°53	14°15	12°34	18°39	20°53	8°36	19°22	20°38	22°11	24° 7	n.a.	T 14
W15	2 39 35	9°51'43	3♌49	3°21	24°39	14°58	12°43	18°40	20°51	8°38	19°23	20°39	22° 8	24°13	n.a.	W15
T 16	2 43 32	10°53'02	16°30	4°55	25°25	15°42	12°54	18°41	20°49	8°40	19°24	20°R39	22° 5	24°20	n.a.	T 16
F 17	2 47 28	11°54'21	28°53	6°29	26° 9	16°25	13° 4	18°42	20°47	8°42	19°25	20°37	22° 1	24°27	n.a.	F 17
S 18	2 51 25	12°55'41	11♍ 3	8° 4	26°53	17° 9	13°14	18°44	20°45	8°44	19°25	20°34	21°58	24°33	n.a.	S 18
S 19	2 55 21	13°57'01	23° 2	9°39	27°35	17°53	13°25	18°45	20°44	8°46	19°26	20°29	21°55	24°40	n.a.	S 19
M20	2 59 18	14°58'21	4♎56	11°14	28°16	18°36	13°35	18°47	20°42	8°48	19°27	20°23	21°52	24°47	n.a.	M20
T 21	3 3 15	15°59'41	16°47	12°50	28°56	19°20	13°46	18°49	20°40	8°50	19°28	20°16	21°49	24°53	n.a.	T 21
W22	3 7 11	17° 1'01	28°37	14°26	29°35	20° 4	13°57	18°51	20°38	8°52	19°29	20° 9	21°46	25° 0	n.a.	W22
T 23	3 11 8	18° 2'20	10♏29	16° 2	0♑13	20°48	14° 7	18°53	20°36	8°53	19°30	20° 3	21°42	25° 7	n.a.	T 23
F 24	3 15 4	19° 3'40	22°24	17°39	0°49	21°32	14°18	18°55	20°33	8°55	19°30	19°59	21°39	25°14	n.a.	F 24
S 25	3 19 1	20° 4'59	4♐25	19°16	1°24	22°16	14°30	18°57	20°31	8°57	19°31	19°56	21°36	25°20	n.a.	S 25
S 26	3 22 57	21° 6'18	16°32	20°54	1°57	23° 0	14°41	18°59	20°29	8°59	19°32	19°D55	21°33	25°27	n.a.	S 26
M27	3 26 54	22° 7'36	28°47	22°31	2°29	23°44	14°52	19° 2	20°27	9° 1	19°33	19°55	21°30	25°34	n.a.	M27
T 28	3 30 51	23° 8'54	11♑14	24°10	2°59	24°28	15° 3	19° 4	20°25	9° 2	19°34	19°56	21°27	25°40	n.a.	T 28
W29	3 34 47	24°10'11	23°54	25°48	3°28	25°12	15°15	19° 7	20°22	9° 4	19°35	19°58	21°23	25°47	n.a.	W29
T 30	3 38 44	25♏11'27	6♒51	27♏28	3♑55	25♎56	15♑27	19♒10	20♊20	9♎ 6	19♑36	20♐ 0	21♐20	25♎54	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10s 4	21s 7	2n 0	3s50	1n 0	26s 4	3s22	1s26	0n35	24s32	1s 5	17s50	2s25	23n55	0n19	1s26	2n 2	35s33	13s13	23s36	23s41	13s 6		n.a.
T 2	10 26	18 11	3 0	4 32	0 53	26 10	3 20	1 44	0 35	24 32	1 5	17 50	2 25	23 55	0 19	1 27	2 2	35 32	13 13	23 36	23 41	13 9		n.a.
F 3	10 49	14 13	3 53	5 14	0 46	26 15	3 19	2 2	0 34	24 31	1 5	17 50	2 25	23 54	0 19	1 28	2 2	35 32	13 13	23 36	23 41	13 11		n.a.
S 4	11 11	9 24	4 34	5 56	0 39	26 20	3 17	2 20	0 34	24 30	1 5	17 50	2 25	23 54	0 19	1 28	2 2	35 32	13 13	23 36	23 41	13 13		n.a.
S 5	11 33	3 55	5 0	6 38	0 33	26 24	3 15	2 37	0 33	24 29	1 5	17 50	2 24	23 54	0 19	1 29	2 2	35 31	13 12	23 35	23 41	13 15		n.a.
M 6	11 55	1n56	5 7	7 20	0 26	26 27	3 13	2 55	0 33	24 28	1 5	17 50	2 24	23 54	0 19	1 30	2 2	35 31	13 12	23 35	23 41	13 17		n.a.
T 7	12 17	7 49	4 53	8 2	0 19	26 30	3 10	3 13	0 32	24 27	1 5	17 49	2 24	23 54	0 19	1 31	2 2	35 31	13 12	23 34	23 40	13 19		n.a.
W 8	12 38	13 18	4 19	8 43	0 12	26 32	3 7	3 31	0 32	24 26	1 4	17 49	2 24	23 54	0 19	1 32	2 2	35 30	13 12	23 34	23 40	13 21		n.a.
T 9	13 0	17 58	3 26	9 24	0 5	26 33	3 4	3 49	0 31	24 25	1 4	17 49	2 24	23 54	0 19	1 33	2 2	35 30	13 11	23 33	23 40	13 23		n.a.
F 10	13 21	21 22	2 18	10 5	0s 1	26 34	3 1	4 6	0 30	24 25	1 4	17 48	2 23	23 54	0 20	1 33	2 2	35 29	13 11	23 33	23 40	13 26		n.a.
S 11	13 42	23 14	1 3	10 46	0 8	26 34	2 58	4 24	0 30	24 24	1 4	17 48	2 23	23 54	0 20	1 34	2 2	35 29	13 11	23 33	23 40	13 28		n.a.
S 12	14 2	23 28	0s15	11 26	0 15	26 33	2 54	4 42	0 29	24 23	1 4	17 47	2 23	23 54	0 20	1 35	2 2	35 29	13 10	23 33	23 39	13 30		n.a.
M13	14 23	22 12	1 29	12 5	0 21	26 32	2 50	5 0	0 29	24 22	1 4	17 47	2 23	23 54	0 20	1 36	2 2	35 28	13 10	23 33	23 39	13 32		n.a.
T 14	14 43	19 41	2 36	12 45	0 27	26 30	2 46	5 17	0 28	24 21	1 4	17 46	2 23	23 54	0 20	1 37	2 2	35 28	13 10	23 33	23 39	13 34		n.a.
W15	15 3	16 13	3 33	13 23	0 34	26 28	2 41	5 35	0 28	24 20	1 4	17 46	2 22	23 53	0 20	1 37	2 2	35 28	13 10	23 33	23 39	13 36		n.a.
T 16	15 22	12 6	4 17	14 2	0 40	26 25	2 37	5 53	0 27	24 18	1 4	17 45	2 22	23 53	0 20	1 38	2 2	35 27	13 9	23 33	23 39	13 38		n.a.
F 17	15 42	7 34	4 49	14 39	0 46	26 21	2 32	6 10	0 26	24 17	1 4	17 45	2 22	23 53	0 20	1 39	2 2	35 27	13 9	23 33	23 39	13 40		n.a.
S 18	16 1	2 51	5 6	15 16	0 52	26 17	2 26	6 28	0 26	24 16	1 4	17 44	2 22	23 53	0 20	1 40	2 2	35 26	13 9	23 33	23 38	13 42		n.a.
S 19	16 19	1s55	5 10	15 53	0 58	26 13	2 21	6 45	0 25	24 15	1 4	17 43	2 21	23 53	0 20	1 40	2 2	35 26	13 9	23 32	23 38	13 45		n.a.
M20	16 38	6 35	5 1	16 29	1 3	26 7	2 15	7 3	0 25	24 14	1 3	17 42	2 21	23 53	0 20	1 41	2 2	35 26	13 8	23 32	23 38	13 47		n.a.
T 21	16 56	10 59	4 38	17 4	1 9	26 2	2 9	7 20	0 24	24 13	1 3	17 42	2 21	23 53	0 20	1 42	2 2	35 25	13 8	23 31	23 38	13 49		n.a.
W22	17 14	14 58	4 4	17 39	1 14	25 55	2 2	7 38	0 23	24 11	1 3	17 41	2 21	23 53	0 20	1 43	2 2	35 25	13 8	23 31	23 38	13 51		n.a.
T 23	17 31	18 23	3 19	18 12	1 19	25 49	1 55	7 55	0 23	24 10	1 3	17 40	2 21	23 53	0 20	1 43	2 2	35 25	13 8	23 30	23 37	13 53		n.a.
F 24	17 49	21 3	2 25	18 45	1 24	25 41	1 48	8 12	0 22	24 9	1 3	17 39	2 20	23 52	0 20	1 44	2 2	35 24	13 7	23 30	23 37	13 55		n.a.
S 25	18 6	22 48	1 24	19 17	1 28	25 34	1 41	8 30	0 21	24 8	1 3	17 38	2 20	23 52	0 20	1 45	2 2	35 24	13 7	23 30	23 37	13 57		n.a.
S 26	18 22	23 30	0 19	19 48	1 33	25 25	1 33	8 47	0 21	24 6	1 3	17 37	2 20	23 52	0 20	1 45	2 2	35 23	13 7	23 30	23 37	13 59		n.a.
M27	18 38	23 4	0n49	20 18	1 37	25 17	1 25	9 4	0 20	24 5	1 3	17 36	2 20	23 52	0 20	1 46	2 2	35 23	13 7	23 30	23 37	14 1		n.a.
T 28	18 54	21 30	1 55	20 48	1 41	25 8	1 16	9 21	0 19	24 4	1 3	17 35	2 19	23 52	0 20	1 47	2 3	35 23	13 6	23 30	23 36	14 3		n.a.
W29	19 10	18 50	2 56	21 16	1 45	24 58	1 8	9 38	0 19	24 2	1 3	17 34	2 19	23 52	0 20	1 47	2 3	35 22	13 6	23 30	23 36	14 5		n.a.
T 30	19s25	15s12	3n50	21s43	1s48	24s48	0s58	9s55	0n18	24s 1	1s 3	17s33	2s19	23n52	0n20	1s48	2n 3	35s22	13s 6	23s30	23s36	14s 7		n.a.

Julian Day Number = 1116508.5, Delta T = 10h46m44s
Ecliptic obliquity = 23°53'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'10, Lahiri = -26°48'10 Julian Calendar 1 Nov. 1657 BCE == Greg. Calendar 18 Oct. 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1657 BCE
geocentric

DECEMBER 1657 BCE (-1656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 42 40	26♏12'42	20♒ 8	29♏ 7	4♑20	26♎40	15♑38	19♒12	20°R18	9♎ 8	19♑37	20°R 1	21♐17	26♎ 0	n.a.	F 1
S 2	3 46 37	27°13'56	3♓46	0♐47	4°43	27°24	15°50	19°15	20♊16	9° 9	19°39	20♐ 1	21°14	26° 7	n.a.	S 2
S 3	3 50 33	28°15'09	17°47	2°28	5° 4	28° 8	16° 2	19°18	20°13	9°11	19°40	19°59	21°11	26°14	n.a.	S 3
M 4	3 54 30	29°16'21	2♈10	4° 9	5°24	28°52	16°14	19°22	20°11	9°13	19°41	19°57	21° 7	26°21	n.a.	M 4
T 5	3 58 26	0♐17'33	16°53	5°50	5°41	29°37	16°26	19°25	20° 8	9°14	19°42	19°55	21° 4	26°27	n.a.	T 5
W 6	4 2 23	1°18'43	1♉49	7°32	5°56	0♏21	16°38	19°28	20° 6	9°16	19°43	19°52	21° 1	26°34	n.a.	W 6
T 7	4 6 20	2°19'52	16°52	9°14	6° 9	1° 5	16°50	19°32	20° 3	9°17	19°44	19°50	20°58	26°41	n.a.	T 7
F 8	4 10 16	3°21'01	1♊51	10°56	6°20	1°50	17° 2	19°35	20° 1	9°19	19°45	19°49	20°55	26°47	n.a.	F 8
S 9	4 14 13	4°22'08	16°39	12°39	6°29	2°34	17°15	19°39	19°59	9°20	19°47	19°D48	20°52	26°54	n.a.	S 9
S 10	4 18 9	5°23'15	1♋ 8	14°22	6°35	3°18	17°27	19°43	19°56	9°22	19°48	19°48	20°48	27° 1	n.a.	S 10
M11	4 22 6	6°24'21	15°14	16° 5	6°39	4° 3	17°40	19°46	19°54	9°23	19°49	19°49	20°45	27° 7	n.a.	M11
T 12	4 26 2	7°25'26	28°52	17°48	6°R40	4°47	17°52	19°50	19°51	9°25	19°50	19°50	20°42	27°14	n.a.	T 12
W13	4 29 59	8°26'30	12♌ 5	19°31	6°39	5°32	18° 5	19°54	19°48	9°26	19°52	19°51	20°39	27°21	n.a.	W13
T 14	4 33 56	9°27'34	24°54	21°14	6°35	6°17	18°18	19°58	19°46	9°27	19°53	19°52	20°36	27°28	n.a.	T 14
F 15	4 37 52	10°28'36	7♍22	22°57	6°29	7° 1	18°31	20° 3	19°43	9°29	19°54	19°R52	20°33	27°34	n.a.	F 15
S 16	4 41 49	11°29'38	19°33	24°39	6°20	7°46	18°43	20° 7	19°41	9°30	19°56	19°52	20°29	27°41	n.a.	S 16
S 17	4 45 45	12°30'38	1♎33	26°19	6° 9	8°31	18°56	20°11	19°38	9°31	19°57	19°52	20°26	27°48	n.a.	S 17
M18	4 49 42	13°31'38	13°26	27°59	5°55	9°15	19° 9	20°16	19°35	9°32	19°58	19°51	20°23	27°54	n.a.	M18
T 19	4 53 38	14°32'37	25°16	29°38	5°39	10° 0	19°22	20°20	19°33	9°34	20° 0	19°50	20°20	28° 1	n.a.	T 19
W20	4 57 35	15°33'35	7♏ 6	1♑14	5°20	10°45	19°36	20°25	19°30	9°35	20° 1	19°50	20°17	28° 8	n.a.	W20
T 21	5 1 31	16°34'31	19° 1	2°48	4°59	11°30	19°49	20°30	19°28	9°36	20° 2	19°49	20°13	28°14	n.a.	T 21
F 22	5 5 28	17°35'27	1♐ 3	4°19	4°36	12°14	20° 2	20°35	19°25	9°37	20° 4	19°49	20°10	28°21	n.a.	F 22
S 23	5 9 25	18°36'21	13°13	5°47	4°11	12°59	20°15	20°39	19°22	9°38	20° 5	19°49	20° 7	28°28	n.a.	S 23
S 24	5 13 21	19°37'13	25°35	7°11	3°43	13°44	20°29	20°44	19°20	9°39	20° 7	19°49	20° 4	28°34	n.a.	S 24
M25	5 17 18	20°38'05	8♑ 8	8°31	3°14	14°29	20°42	20°50	19°17	9°40	20° 8	19°49	20° 1	28°41	n.a.	M25
T 26	5 21 14	21°38'54	20°53	9°45	2°42	15°14	20°56	20°55	19°14	9°41	20°10	19°49	19°58	28°48	n.a.	T 26
W27	5 25 11	22°39'42	3♒52	10°53	2° 9	15°59	21° 9	21° 0	19°12	9°42	20°11	19°48	19°54	28°55	n.a.	W27
T 28	5 29 7	23°40'29	17° 5	11°54	1°35	16°44	21°23	21° 5	19° 9	9°43	20°12	19°48	19°51	29° 1	n.a.	T 28
F 29	5 33 4	24°41'13	0♓32	12°47	1° 0	17°29	21°36	21°11	19° 7	9°44	20°14	19°47	19°48	29° 8	n.a.	F 29
S 30	5 37 1	25°41'56	14°13	13°32	0°24	18°14	21°50	21°16	19° 4	9°45	20°15	19°47	19°45	29°15	n.a.	S 30
S 31	5 40 57	26♐42'36	28♓ 9	14♑ 8	29♐47	18♏59	22♑ 4	21♒22	19♊ 1	9♎46	20♑17	19°D47	19♐42	29♎21	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s40	10s44	4n34	22s 8	1s51	24s38	0s49	10s12	0n17	23s59	1s 3	17s32	2s19	23n51	0n20	1s49	2n 3	35s21	13s 6	23s30	23s36	14s 9		n.a.
S 2	19 54	5 37	5 3	22 33	1 54	24 27	0 39	10 29	0 17	23 58	1 3	17 31	2 19	23 51	0 20	1 49	2 3	35 21	13 6	23 30	23 35	14 11		n.a.
S 3	20 9	0 6	5 15	22 56	1 56	24 16	0 29	10 45	0 16	23 56	1 3	17 30	2 18	23 51	0 20	1 50	2 3	35 21	13 5	23 30	23 35	14 13		n.a.
M 4	20 22	5n34	5 8	23 18	1 58	24 5	0 18	11 2	0 15	23 55	1 3	17 28	2 18	23 51	0 20	1 50	2 3	35 20	13 5	23 30	23 35	14 15		n.a.
T 5	20 36	11 4	4 41	23 39	2 0	23 53	0 7	11 19	0 15	23 53	1 3	17 27	2 18	23 51	0 20	1 51	2 3	35 20	13 5	23 30	23 35	14 17		n.a.
W 6	20 48	15 59	3 55	23 58	2 1	23 41	0n 4	11 35	0 14	23 52	1 2	17 26	2 18	23 51	0 20	1 52	2 3	35 19	13 5	23 30	23 35	14 20		n.a.
T 7	21 1	19 56	2 52	24 15	2 2	23 29	0 16	11 52	0 13	23 50	1 2	17 25	2 18	23 50	0 20	1 52	2 3	35 19	13 4	23 29	23 34	14 22		n.a.
F 8	21 13	22 31	1 38	24 31	2 2	23 16	0 28	12 8	0 13	23 49	1 2	17 23	2 17	23 50	0 20	1 53	2 3	35 19	13 4	23 29	23 34	14 24		n.a.
S 9	21 25	23 30	0 17	24 45	2 2	23 3	0 40	12 24	0 12	23 47	1 2	17 22	2 17	23 50	0 20	1 53	2 3	35 18	13 4	23 29	23 34	14 26		n.a.
S 10	21 36	22 51	1s 2	24 57	2 1	22 50	0 53	12 40	0 11	23 45	1 2	17 21	2 17	23 50	0 20	1 54	2 3	35 18	13 4	23 29	23 34	14 28		n.a.
M11	21 47	20 45	2 16	25 8	2 0	22 37	1 6	12 56	0 11	23 44	1 2	17 19	2 17	23 50	0 20	1 54	2 3	35 18	13 4	23 29	23 33	14 30		n.a.
T 12	21 57	17 30	3 20	25 17	1 58	22 23	1 20	13 12	0 10	23 42	1 2	17 18	2 17	23 50	0 20	1 55	2 3	35 17	13 4	23 29	23 33	14 32		n.a.
W13	22 7	13 29	4 11	25 23	1 56	22 10	1 34	13 28	0 9	23 40	1 2	17 16	2 16	23 49	0 20	1 55	2 3	35 17	13 3	23 29	23 33	14 34		n.a.
T 14	22 17	8 57	4 48	25 28	1 53	21 56	1 48	13 44	0 8	23 38	1 2	17 15	2 16	23 49	0 20	1 56	2 3	35 16	13 3	23 30	23 33	14 36		n.a.
F 15	22 26	4 11	5 10	25 30	1 49	21 42	2 2	13 59	0 8	23 36	1 2	17 13	2 16	23 49	0 20	1 56	2 3	35 16	13 3	23 30	23 33	14 38		n.a.
S 16	22 35	0s38	5 17	25 31	1 44	21 28	2 16	14 15	0 7	23 35	1 2	17 12	2 16	23 49	0 20	1 57	2 3	35 16	13 3	23 30	23 32	14 40		n.a.
S 17	22 43	5 22	5 11	25 29	1 39	21 14	2 31	14 30	0 6	23 33	1 2	17 10	2 16	23 49	0 20	1 57	2 4	35 15	13 3	23 30	23 32	14 41		n.a.
M18	22 51	9 51	4 51	25 26	1 33	20 59	2 46	14 46	0 6	23 31	1 2	17 8	2 16	23 48	0 20	1 58	2 4	35 15	13 3	23 29	23 32	14 43		n.a.
T 19	22 58	13 57	4 19	25 20	1 26	20 45	3 1	15 1	0 5	23 29	1 2	17 7	2 15	23 48	0 20	1 58	2 4	35 14	13 2	23 29	23 32	14 45		n.a.
W20	23 5	17 31	3 36	25 12	1 19	20 31	3 16	15 16	0 4	23 27	1 2	17 5	2 15	23 48	0 20	1 58	2 4	35 14	13 2	23 29	23 31	14 47		n.a.
T 21	23 12	20 24	2 43	25 2	1 10	20 17	3 31	15 31	0 3	23 25	1 2	17 3	2 15	23 48	0 20	1 59	2 4	35 14	13 2	23 29	23 31	14 49		n.a.
F 22	23 18	22 25	1 42	24 50	1 1	20 2	3 46	15 45	0 3	23 23	1 2	17 2	2 15	23 48	0 20	1 59	2 4	35 13	13 2	23 29	23 31	14 51		n.a.
S 23	23 23	23 25	0 37	24 36	0 50	19 48	4 1	16 0	0 2	23 21	1 2	17 0	2 15	23 47	0 20	2 0	2 4	35 13	13 2	23 29	23 31	14 53		n.a.
S 24	23 28	23 17	0n32	24 20	0 39	19 34	4 16	16 14	0 1	23 19	1 2	16 58	2 14	23 47	0 20	2 0	2 4	35 13	13 2	23 29	23 30	14 55		n.a.
M25	23 33	21 58	1 40	24 3	0 27	19 20	4 31	16 29	0 0	23 17	1 2	16 56	2 14	23 47	0 20	2 0	2 4	35 12	13 2	23 29	23 30	14 57		n.a.
T 26	23 37	19 32	2 44	23 45	0 13	19 7	4 45	16 43	0s 0	23 15	1 2	16 54	2 14	23 47	0 20	2 1	2 4	35 12	13 1	23 29	23 30	14 59		n.a.
W27	23 41	16 4	3 41	23 25	0n 1	18 53	4 59	16 57	0 1	23 12	1 2	16 52	2 14	23 47	0 20	2 1	2 4	35 12	13 1	23 29	23 30	15 1		n.a.
T 28	23 44	11 46	4 27	23 5	0 15	18 40	5 13	17 11	0 2	23 10	1 2	16 51	2 14	23 46	0 20	2 1	2 4	35 11	13 1	23 29	23 29	15 3		n.a.
F 29	23 47	6 49	5 0	22 45	0 31	18 27	5 26	17 25	0 3	23 8	1 2	16 49	2 14	23 46	0 20	2 2	2 4	35 11	13 1	23 29	23 29	15 5		n.a.
S 30	23 49	1 29	5 16	22 24	0 47	18 15	5 38	17 38	0 4	23 6	1 2	16 47	2 14	23 46	0 20	2 2	2 4	35 11	13 1	23 29	23 29	15 7		n.a.
S 31	23s51	4n 2	5n14	22s 3	1n 4	18s 3	5n50	17s52	0s 4	23s 4	1s 2	16s45	2s13	23n46	0n20	2s 2	2n 4	35s10	13s 1	23s29	23s29	15s 9		n.a.

Julian Day Number = 1116538.5, Delta T = 10h46m42s
Ecliptic obliquity = 23°53'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'06, Lahiri = -26°48'06 Julian Calendar 1 Dec. 1657 BCE == Greg. Calendar 17 Nov. 1657 BCE

The year -1656 astronomical counting style corresponds to year 1657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

JANUARY 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 44 54	27♐43'15	12♈18	14♑34	29°R 9	19♏44	22♑18	21♒27	18°R59	9♎47	20♑18	19♐47	19♐39	29♎28	n.a.	M 1
T 2	5 48 50	28°43'52	26°39	14°51	28♐31	20°29	22°31	21°33	18♊56	9°47	20°20	19°48	19°35	29°35	n.a.	T 2
W 3	5 52 47	29°44'26	11♉ 9	14°R57	27°54	21°14	22°45	21°38	18°54	9°48	20°22	19°49	19°32	29°41	n.a.	W 3
T 4	5 56 43	0♑44'59	25°43	14°52	27°17	22° 0	22°59	21°44	18°51	9°49	20°23	19°49	19°29	29°48	n.a.	T 4
F 5	6 0 40	1°45'30	10♊17	14°37	26°40	22°45	23°13	21°50	18°48	9°50	20°25	19°50	19°26	29°55	n.a.	F 5
S 6	6 4 36	2°45'59	24°45	14°12	26° 4	23°30	23°27	21°56	18°46	9°50	20°26	19°R50	19°23	0♏ 2	n.a.	S 6
S 7	6 8 33	3°46'26	9♋ 0	13°37	25°29	24°15	23°41	22° 2	18°43	9°51	20°28	19°50	19°19	0° 8	n.a.	S 7
M 8	6 12 30	4°46'52	22°58	12°54	24°56	25° 1	23°55	22° 8	18°41	9°51	20°29	19°48	19°16	0°15	n.a.	M 8
T 9	6 16 26	5°47'16	6♌36	12° 3	24°24	25°46	24° 9	22°14	18°38	9°52	20°31	19°46	19°13	0°22	n.a.	T 9
W10	6 20 23	6°47'37	19°51	11° 7	23°54	26°31	24°23	22°20	18°36	9°53	20°33	19°44	19°10	0°28	n.a.	W10
T 11	6 24 19	7°47'58	2♍45	10° 5	23°26	27°17	24°37	22°27	18°33	9°53	20°34	19°41	19° 7	0°35	n.a.	T 11
F 12	6 28 16	8°48'16	15°17	9° 1	23° 0	28° 2	24°51	22°33	18°31	9°53	20°36	19°39	19° 4	0°42	n.a.	F 12
S 13	6 32 12	9°48'33	27°33	7°56	22°36	28°47	25° 5	22°39	18°29	9°54	20°37	19°37	19° 0	0°48	n.a.	S 13
S 14	6 36 9	10°48'48	9♎35	6°51	22°14	29°33	25°20	22°46	18°26	9°54	20°39	19°D37	18°57	0°55	n.a.	S 14
M15	6 40 5	11°49'01	21°29	5°47	21°54	0♐18	25°34	22°52	18°24	9°55	20°41	19°37	18°54	1° 2	n.a.	M15
T 16	6 44 2	12°49'13	3♏19	4°47	21°37	1° 4	25°48	22°59	18°22	9°55	20°42	19°38	18°51	1° 8	n.a.	T 16
W17	6 47 59	13°49'23	15°11	3°52	21°23	1°49	26° 2	23° 5	18°19	9°55	20°44	19°40	18°48	1°15	n.a.	W17
T 18	6 51 55	14°49'31	27° 8	3° 1	21°11	2°35	26°17	23°12	18°17	9°55	20°45	19°42	18°44	1°22	n.a.	T 18
F 19	6 55 52	15°49'38	9♐15	2°17	21° 1	3°20	26°31	23°19	18°15	9°56	20°47	19°43	18°41	1°28	n.a.	F 19
S 20	6 59 48	16°49'42	21°35	1°39	20°54	4° 6	26°45	23°25	18°12	9°56	20°49	19°R44	18°38	1°35	n.a.	S 20
S 21	7 3 45	17°49'45	4♑10	1° 8	20°49	4°51	27° 0	23°32	18°10	9°56	20°50	19°43	18°35	1°42	n.a.	S 21
M22	7 7 41	18°49'46	17° 2	0°44	20°D47	5°37	27°14	23°39	18° 8	9°56	20°52	19°40	18°32	1°49	n.a.	M22
T 23	7 11 38	19°49'44	0♒11	0°26	20°47	6°22	27°28	23°46	18° 6	9°56	20°54	19°37	18°29	1°55	n.a.	T 23
W24	7 15 34	20°49'41	13°35	0°16	20°50	7° 8	27°43	23°53	18° 4	9°56	20°55	19°32	18°25	2° 2	n.a.	W24
T 25	7 19 31	21°49'35	27°13	0°D11	20°55	7°54	27°57	24° 0	18° 2	9°R56	20°57	19°27	18°22	2° 9	n.a.	T 25
F 26	7 23 28	22°49'27	11♓ 3	0°14	21° 2	8°39	28°11	24° 7	18° 0	9°56	20°58	19°22	18°19	2°15	n.a.	F 26
S 27	7 27 24	23°49'16	25° 1	0°22	21°12	9°25	28°26	24°14	17°58	9°56	21° 0	19°17	18°16	2°22	n.a.	S 27
S 28	7 31 21	24°49'03	9♈ 5	0°36	21°23	10°10	28°40	24°21	17°56	9°56	21° 2	19°15	18°13	2°29	n.a.	S 28
M29	7 35 17	25°48'48	23°13	0°55	21°37	10°56	28°55	24°28	17°54	9°56	21° 3	19°D14	18°10	2°35	n.a.	M29
T 30	7 39 14	26°48'30	7♉23	1°19	21°53	11°42	29° 9	24°35	17°52	9°56	21° 5	19°14	18° 6	2°42	n.a.	T 30
W31	7 43 10	27♑48'09	21♉33	1♑49	22♐10	12♐27	29♑23	24♒43	17♊50	9♎55	21♑ 7	19♐15	18♐ 3	2♏49	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23s52	9n26	4n53	21s43	1n22	17s51	6n 2	18s 5	0s 5	23s 1	1s 2	16s43	2s13	23n45	0n20	2s 2	2n 4	35s10	13s 1	23s29	23s28	15s11			n.a.
T 2	23 53	14 24	4 14	21 24	1 39	17 40	6 12	18 18	0 6	22 59	1 2	16 41	2 13	23 45	0 20	2 3	2 5	35 9	13 1	23 29	23 28	15 13			n.a.
W 3	23 53	18 35	3 19	21 6	1 56	17 30	6 22	18 31	0 7	22 57	1 2	16 39	2 13	23 45	0 20	2 3	2 5	35 9	13 1	23 29	23 28	15 14			n.a.
T 4	23 53	21 39	2 10	20 50	2 14	17 20	6 31	18 44	0 8	22 54	1 2	16 37	2 13	23 45	0 20	2 3	2 5	35 9	13 1	23 29	23 28	15 16			n.a.
F 5	23 52	23 17	0 53	20 35	2 30	17 11	6 40	18 56	0 8	22 52	1 2	16 35	2 13	23 45	0 20	2 3	2 5	35 8	13 1	23 29	23 27	15 18			n.a.
S 6	23 51	23 20	0s27	20 22	2 46	17 3	6 47	19 9	0 9	22 49	1 2	16 33	2 13	23 44	0 20	2 4	2 5	35 8	13 0	23 29	23 27	15 20			n.a.
S 7	23 50	21 51	1 44	20 11	3 1	16 55	6 54	19 21	0 10	22 47	1 2	16 30	2 12	23 44	0 20	2 4	2 5	35 8	13 0	23 29	23 27	15 22			n.a.
M 8	23 48	19 3	2 53	20 2	3 14	16 48	7 0	19 33	0 11	22 45	1 2	16 28	2 12	23 44	0 20	2 4	2 5	35 8	13 0	23 29	23 27	15 24			n.a.
T 9	23 45	15 15	3 51	19 54	3 26	16 42	7 5	19 45	0 12	22 42	1 2	16 26	2 12	23 44	0 20	2 4	2 5	35 7	13 0	23 29	23 26	15 26			n.a.
W10	23 43	10 48	4 34	19 49	3 36	16 36	7 9	19 56	0 12	22 39	1 2	16 24	2 12	23 44	0 20	2 4	2 5	35 7	13 0	23 29	23 26	15 28			n.a.
T 11	23 39	6 0	5 2	19 46	3 44	16 31	7 12	20 8	0 13	22 37	1 2	16 22	2 12	23 43	0 20	2 4	2 5	35 7	13 0	23 29	23 26	15 30			n.a.
F 12	23 35	1 5	5 15	19 45	3 50	16 28	7 15	20 19	0 14	22 34	1 2	16 19	2 12	23 43	0 20	2 4	2 5	35 6	13 0	23 28	23 26	15 31			n.a.
S 13	23 31	3s46	5 13	19 46	3 53	16 25	7 17	20 30	0 15	22 32	1 2	16 17	2 12	23 43	0 20	2 5	2 5	35 6	13 0	23 28	23 25	15 33			n.a.
S 14	23 26	8 24	4 57	19 48	3 54	16 22	7 18	20 41	0 16	22 29	1 2	16 15	2 12	23 43	0 20	2 5	2 5	35 6	13 0	23 28	23 25	15 35			n.a.
M15	23 21	12 40	4 28	19 52	3 53	16 21	7 18	20 52	0 17	22 27	1 2	16 13	2 11	23 43	0 20	2 5	2 5	35 5	13 0	23 28	23 25	15 37			n.a.
T 16	23 15	16 25	3 48	19 58	3 50	16 20	7 18	21 2	0 17	22 24	1 2	16 10	2 11	23 42	0 20	2 5	2 6	35 5	13 0	23 28	23 25	15 39			n.a.
W17	23 9	19 32	2 59	20 4	3 46	16 20	7 17	21 13	0 18	22 21	1 2	16 8	2 11	23 42	0 20	2 5	2 6	35 5	13 0	23 29	23 24	15 41			n.a.
T 18	23 3	21 51	2 1	20 12	3 39	16 21	7 15	21 23	0 19	22 18	1 2	16 6	2 11	23 42	0 20	2 5	2 6	35 5	13 0	23 29	23 24	15 43			n.a.
F 19	22 56	23 12	0 57	20 21	3 31	16 23	7 13	21 33	0 20	22 16	1 2	16 3	2 11	23 42	0 20	2 5	2 6	35 4	13 0	23 29	23 24	15 44			n.a.
S 20	22 48	23 27	0n10	20 31	3 22	16 25	7 10	21 42	0 21	22 13	1 2	16 1	2 11	23 42	0 20	2 5	2 6	35 4	13 0	23 29	23 23	15 46			n.a.
S 21	22 40	22 31	1 18	20 41	3 12	16 28	7 7	21 52	0 22	22 10	1 2	15 59	2 11	23 41	0 20	2 5	2 6	35 4	13 0	23 29	23 23	15 48			n.a.
M22	22 32	20 24	2 24	20 53	3 0	16 31	7 3	22 1	0 23	22 7	1 2	15 56	2 11	23 41	0 20	2 5	2 6	35 3	13 0	23 29	23 23	15 50			n.a.
T 23	22 23	17 11	3 24	21 5	2 49	16 35	6 59	22 10	0 23	22 4	1 2	15 54	2 11	23 41	0 20	2 5	2 6	35 3	13 0	23 28	23 23	15 52			n.a.
W24	22 14	13 1	4 13	21 17	2 36	16 40	6 55	22 18	0 24	22 2	1 2	15 51	2 11	23 41	0 20	2 5	2 6	35 3	13 0	23 28	23 22	15 53			n.a.
T 25	22 5	8 9	4 49	21 29	2 24	16 45	6 50	22 27	0 25	21 59	1 2	15 49	2 10	23 41	0 20	2 5	2 6	35 3	13 0	23 28	23 22	15 55			n.a.
F 26	21 55	2 49	5 8	21 42	2 11	16 51	6 45	22 35	0 26	21 56	1 2	15 46	2 10	23 40	0 20	2 5	2 6	35 2	13 0	23 27	23 22	15 57			n.a.
S 27	21 45	2n43	5 10	21 55	1 58	16 57	6 39	22 43	0 27	21 53	1 3	15 44	2 10	23 40	0 20	2 5	2 6	35 2	13 0	23 27	23 21	15 59			n.a.
S 28	21 34	8 8	4 53	22 8	1 45	17 3	6 33	22 51	0 28	21 50	1 3	15 41	2 10	23 40	0 20	2 4	2 6	35 2	13 0	23 27	23 21	16 1			n.a.
M29	21 23	13 10	4 19	22 21	1 32	17 10	6 28	22 58	0 29	21 47	1 3	15 39	2 10	23 40	0 20	2 4	2 6	35 2	13 0	23 26	23 21	16 2			n.a.
T 30	21 11	17 30	3 28	22 33	1 20	17 17	6 21	23 6	0 29	21 44	1 3	15 36	2 10	23 40	0 20	2 4	2 6	35 2	13 1	23 26	23 21	16 4			n.a.
W31	20s59	20n49	2n25	22s45	1n 7	17s25	6n15	23s13	0s30	21s41	1s 3	15s34	2s10	23n39	0n20	2s 4	2n 7	35s 1	13s 1	23s27	23s20	16s 6			n.a.

Julian Day Number = 1116569.5, Delta T = 10h46m40s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°55'02, Lahiri = -26°48'02 Julian Calendar 1 Jan. 1656 BCE == Greg. Calendar 18 Dec. 1657 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

FEBRUARY 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 47 7	28♉47'47	5♊41	2♉22	22♐30	13♐13	29♉38	24♒50	17°R48	9°R55	21♉ 8	19♐17	18♐ 0	2♏55	n.a.	T 1
F 2	7 51 3	29°47'21	19°47	3° 0	22°52	13°59	29°52	24°57	17♊47	9♎55	21°10	19°R17	17°57	3° 2	n.a.	F 2
S 3	7 55 0	0♒46'54	3♋46	3°42	23°15	14°44	0♒ 7	25° 4	17°45	9°55	21°11	19°16	17°54	3° 9	n.a.	S 3
S 4	7 58 56	1°46'24	17°36	4°27	23°40	15°30	0°21	25°12	17°43	9°54	21°13	19°14	17°50	3°15	n.a.	S 4
M 5	8 2 53	2°45'52	1♌15	5°16	24° 7	16°16	0°35	25°19	17°42	9°54	21°15	19° 9	17°47	3°22	n.a.	M 5
T 6	8 6 50	3°45'17	14°38	6° 9	24°35	17° 2	0°50	25°27	17°40	9°54	21°16	19° 2	17°44	3°29	n.a.	T 6
W 7	8 10 46	4°44'41	27°45	7° 4	25° 5	17°47	1° 4	25°34	17°38	9°53	21°18	18°54	17°41	3°36	n.a.	W 7
T 8	8 14 43	5°44'02	10♍34	8° 2	25°36	18°33	1°19	25°41	17°37	9°53	21°19	18°45	17°38	3°42	n.a.	T 8
F 9	8 18 39	6°43'21	23° 6	9° 3	26° 9	19°19	1°33	25°49	17°35	9°52	21°21	18°38	17°35	3°49	n.a.	F 9
S 10	8 22 36	7°42'38	5♎22	10° 7	26°43	20° 5	1°47	25°56	17°34	9°52	21°23	18°31	17°31	3°56	n.a.	S 10
S 11	8 26 32	8°41'54	17°25	11°13	27°18	20°50	2° 2	26° 4	17°33	9°51	21°24	18°26	17°28	4° 2	n.a.	S 11
M12	8 30 29	9°41'07	29°19	12°21	27°55	21°36	2°16	26°11	17°31	9°51	21°26	18°24	17°25	4° 9	n.a.	M12
T 13	8 34 25	10°40'18	11♏ 9	13°31	28°33	22°22	2°30	26°19	17°30	9°50	21°27	18°D23	17°22	4°16	n.a.	T 13
W14	8 38 22	11°39'28	23° 1	14°44	29°12	23° 8	2°45	26°27	17°29	9°49	21°29	18°24	17°19	4°22	n.a.	W14
T 15	8 42 18	12°38'35	4♐58	15°59	29°53	23°53	2°59	26°34	17°28	9°49	21°30	18°25	17°16	4°29	n.a.	T 15
F 16	8 46 15	13°37'41	17° 7	17°15	0♑34	24°39	3°13	26°42	17°27	9°48	21°32	18°R26	17°12	4°36	n.a.	F 16
S 17	8 50 12	14°36'44	29°33	18°34	1°16	25°25	3°28	26°50	17°25	9°47	21°33	18°25	17° 9	4°42	n.a.	S 17
S 18	8 54 8	15°35'46	12♑17	19°54	2° 0	26°11	3°42	26°57	17°24	9°47	21°35	18°22	17° 6	4°49	n.a.	S 18
M19	8 58 5	16°34'46	25°24	21°16	2°44	26°57	3°56	27° 5	17°23	9°46	21°36	18°17	17° 3	4°56	n.a.	M19
T 20	9 2 1	17°33'43	8♒52	22°40	3°29	27°42	4°10	27°13	17°22	9°45	21°38	18°10	17° 0	5° 2	n.a.	T 20
W21	9 5 58	18°32'38	22°41	24° 6	4°15	28°28	4°25	27°20	17°22	9°44	21°39	18° 1	16°56	5° 9	n.a.	W21
T 22	9 9 54	19°31'31	6♓47	25°33	5° 2	29°14	4°39	27°28	17°21	9°43	21°41	17°50	16°53	5°16	n.a.	T 22
F 23	9 13 51	20°30'22	21° 4	27° 2	5°50	29°59	4°53	27°36	17°20	9°42	21°42	17°41	16°50	5°22	n.a.	F 23
S 24	9 17 47	21°29'11	5♈27	28°32	6°38	0♑45	5° 7	27°44	17°19	9°41	21°44	17°32	16°47	5°29	n.a.	S 24
S 25	9 21 44	22°27'57	19°51	0♒ 4	7°28	1°31	5°21	27°51	17°19	9°40	21°45	17°26	16°44	5°36	n.a.	S 25
M26	9 25 40	23°26'41	4♉11	1°38	8°18	2°17	5°35	27°59	17°18	9°40	21°47	17°22	16°41	5°42	n.a.	M26
T 27	9 29 37	24°25'22	18°23	3°13	9° 8	3° 2	5°49	28° 7	17°17	9°39	21°48	17°21	16°37	5°49	n.a.	T 27
W28	9 33 34	25♒24'01	2♊27	4♒50	10♑ 0	3♑48	6♒ 3	28♒15	17♊17	9♎38	21♉50	17°D21	16♐34	5♏56	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s47	22n51	1n13	22s57	0n55	17s33	6n 8	23s20	0s31	21s38	1s 3	15s31	2s10	23n39	0n20	2s 4	2n 7	35s 1	13s 1	23s27	23s20	16s 8		n.a.
F 2	20 34	23 26	0s 3	23 8	0 43	17 40	6 2	23 26	0 32	21 35	1 3	15 29	2 10	23 39	0 20	2 4	2 7	35 1	13 1	23 27	23 20	16 10		n.a.
S 3	20 21	22 32	1 18	23 19	0 31	17 49	5 55	23 33	0 33	21 32	1 3	15 26	2 10	23 39	0 20	2 4	2 7	35 1	13 1	23 27	23 19	16 11		n.a.
S 4	20 8	20 16	2 27	23 29	0 19	17 57	5 48	23 39	0 34	21 29	1 3	15 24	2 10	23 39	0 20	2 3	2 7	35 1	13 1	23 26	23 19	16 13		n.a.
M 5	19 54	16 53	3 27	23 38	0 8	18 5	5 40	23 44	0 35	21 26	1 3	15 21	2 10	23 39	0 20	2 3	2 7	35 0	13 1	23 26	23 19	16 15		n.a.
T 6	19 40	12 41	4 15	23 47	0s 2	18 14	5 33	23 50	0 36	21 22	1 3	15 18	2 10	23 39	0 20	2 3	2 7	35 0	13 1	23 25	23 19	16 17		n.a.
W 7	19 26	7 59	4 47	23 55	0 13	18 22	5 26	23 55	0 37	21 19	1 3	15 16	2 10	23 38	0 20	2 3	2 7	35 0	13 1	23 25	23 18	16 18		n.a.
T 8	19 11	3 3	5 5	24 1	0 23	18 30	5 18	24 0	0 37	21 16	1 3	15 13	2 10	23 38	0 20	2 3	2 7	35 0	13 1	23 24	23 18	16 20		n.a.
F 9	18 56	1s54	5 7	24 7	0 33	18 39	5 11	24 5	0 38	21 13	1 3	15 11	2 10	23 38	0 20	2 2	2 7	35 0	13 1	23 23	23 18	16 22		n.a.
S 10	18 41	6 40	4 55	24 11	0 42	18 47	5 4	24 10	0 39	21 10	1 3	15 8	2 9	23 38	0 20	2 2	2 7	34 59	13 2	23 23	23 17	16 24		n.a.
S 11	18 25	11 6	4 30	24 15	0 51	18 56	4 56	24 14	0 40	21 6	1 4	15 5	2 9	23 38	0 20	2 2	2 7	34 59	13 2	23 22	23 17	16 25		n.a.
M12	18 9	15 3	3 53	24 17	0 59	19 4	4 48	24 18	0 41	21 3	1 4	15 3	2 9	23 38	0 20	2 1	2 7	34 59	13 2	23 22	23 17	16 27		n.a.
T 13	17 53	18 24	3 7	24 18	1 7	19 12	4 41	24 22	0 42	21 0	1 4	15 0	2 9	23 38	0 20	2 1	2 7	34 59	13 2	23 22	23 16	16 29		n.a.
W14	17 37	21 0	2 12	24 18	1 15	19 20	4 33	24 25	0 43	20 57	1 4	14 57	2 9	23 37	0 20	2 1	2 7	34 59	13 2	23 22	23 16	16 31		n.a.
T 15	17 20	22 42	1 12	24 16	1 22	19 28	4 26	24 28	0 44	20 53	1 4	14 55	2 9	23 37	0 20	2 1	2 8	34 59	13 2	23 22	23 16	16 32		n.a.
F 16	17 3	23 22	0 7	24 13	1 29	19 35	4 18	24 31	0 45	20 50	1 4	14 52	2 9	23 37	0 20	2 0	2 8	34 59	13 2	23 22	23 16	16 34		n.a.
S 17	16 45	22 54	0n59	24 9	1 35	19 42	4 10	24 34	0 45	20 47	1 4	14 49	2 9	23 37	0 20	2 0	2 8	34 59	13 2	23 22	23 15	16 36		n.a.
S 18	16 28	21 15	2 4	24 3	1 41	19 49	4 3	24 36	0 46	20 44	1 4	14 47	2 9	23 37	0 20	1 59	2 8	34 58	13 3	23 22	23 15	16 37		n.a.
M19	16 10	18 26	3 4	23 55	1 47	19 56	3 55	24 38	0 47	20 40	1 4	14 44	2 9	23 37	0 20	1 59	2 8	34 58	13 3	23 22	23 15	16 39		n.a.
T 20	15 51	14 35	3 56	23 47	1 52	20 3	3 48	24 40	0 48	20 37	1 4	14 41	2 9	23 37	0 20	1 59	2 8	34 58	13 3	23 21	23 14	16 41		n.a.
W21	15 33	9 53	4 35	23 36	1 56	20 9	3 40	24 42	0 49	20 33	1 4	14 38	2 9	23 37	0 20	1 58	2 8	34 58	13 3	23 20	23 14	16 42		n.a.
T 22	15 14	4 35	4 58	23 24	2 0	20 15	3 33	24 43	0 50	20 30	1 5	14 36	2 9	23 37	0 20	1 58	2 8	34 58	13 3	23 19	23 14	16 44		n.a.
F 23	14 55	1n 2	5 3	23 10	2 4	20 20	3 25	24 44	0 51	20 27	1 5	14 33	2 9	23 36	0 20	1 58	2 8	34 58	13 3	23 18	23 13	16 46		n.a.
S 24	14 36	6 37	4 49	22 55	2 7	20 25	3 18	24 45	0 52	20 23	1 5	14 30	2 9	23 36	0 20	1 57	2 8	34 58	13 4	23 17	23 13	16 47		n.a.
S 25	14 17	11 51	4 17	22 38	2 10	20 30	3 11	24 45	0 53	20 20	1 5	14 28	2 9	23 36	0 20	1 57	2 8	34 58	13 4	23 17	23 13	16 49		n.a.
M26	13 57	16 25	3 29	22 19	2 12	20 34	3 3	24 46	0 53	20 16	1 5	14 25	2 9	23 36	0 20	1 56	2 8	34 58	13 4	23 16	23 12	16 51		n.a.
T 27	13 38	19 59	2 28	21 58	2 14	20 38	2 56	24 45	0 54	20 13	1 5	14 22	2 9	23 36	0 20	1 56	2 8	34 58	13 4	23 16	23 12	16 52		n.a.
W28	13s18	22n19	1n19	21s36	2s15	20s42	2n49	24s45	0s55	20s10	1s 5	14s19	2s 9	23n36	0n20	1s55	2n 8	34s58	13s 4	23s16	23s12	16s54		n.a.

Julian Day Number = 1116600.5, Delta T = 10h46m38s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'58, Lahiri = -26°47'57 Julian Calendar 1 Feb. 1656 BCE == Greg. Calendar 18 Jan. 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

MARCH 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 37 30	26♒22'38	16♊21	6♒29	10♑51	4♑34	6♒17	28♒22	17°R16	9°R36	21♑51	17°R21	16♐31	6♏ 3	n.a.	T 1
F 2	9 41 27	27°21'12	0♋ 5	8° 9	11°44	5°20	6°31	28°30	17♊16	9♎35	21°52	17♐21	16°28	6° 9	n.a.	F 2
S 3	9 45 23	28°19'44	13°40	9°50	12°37	6° 5	6°45	28°38	17°16	9°34	21°54	17°18	16°25	6°16	n.a.	S 3
S 4	9 49 20	29°18'13	27° 5	11°33	13°31	6°51	6°59	28°46	17°15	9°33	21°55	17°13	16°22	6°23	n.a.	S 4
M 5	9 53 16	0♓16'41	10♌19	13°18	14°25	7°37	7°13	28°53	17°15	9°32	21°56	17° 5	16°18	6°29	n.a.	M 5
T 6	9 57 13	1°15'06	23°22	15° 4	15°20	8°22	7°26	29° 1	17°15	9°31	21°58	16°54	16°15	6°36	n.a.	T 6
W 7	10 1 9	2°13'29	6♍12	16°52	16°15	9° 8	7°40	29° 9	17°15	9°30	21°59	16°42	16°12	6°43	n.a.	W 7
T 8	10 5 6	3°11'50	18°49	18°42	17°11	9°53	7°54	29°17	17°15	9°28	22° 0	16°29	16° 9	6°49	n.a.	T 8
F 9	10 9 3	4°10'09	1♎12	20°33	18° 7	10°39	8° 8	29°25	17°D15	9°27	22° 2	16°17	16° 6	6°56	n.a.	F 9
S 10	10 12 59	5° 8'26	13°23	22°26	19° 4	11°25	8°21	29°32	17°15	9°26	22° 3	16° 6	16° 2	7° 3	n.a.	S 10
S 11	10 16 56	6° 6'41	25°23	24°20	20° 1	12°10	8°35	29°40	17°15	9°25	22° 4	15°58	15°59	7° 9	n.a.	S 11
M12	10 20 52	7° 4'55	7♏16	26°16	20°58	12°56	8°48	29°48	17°15	9°23	22° 5	15°52	15°56	7°16	n.a.	M12
T 13	10 24 49	8° 3'07	19° 5	28°13	21°56	13°41	9° 2	29°56	17°15	9°22	22° 7	15°49	15°53	7°23	n.a.	T 13
W14	10 28 45	9° 1'18	0♐56	0♓13	22°55	14°27	9°15	0♓ 3	17°15	9°21	22° 8	15°48	15°50	7°29	n.a.	W14
T 15	10 32 42	9°59'26	12°52	2°13	23°54	15°12	9°29	0°11	17°15	9°19	22° 9	15°47	15°47	7°36	n.a.	T 15
F 16	10 36 38	10°57'34	25° 1	4°15	24°53	15°58	9°42	0°19	17°16	9°18	22°10	15°47	15°43	7°43	n.a.	F 16
S 17	10 40 35	11°55'39	7♑27	6°19	25°52	16°43	9°55	0°26	17°16	9°17	22°11	15°46	15°40	7°49	n.a.	S 17
S 18	10 44 31	12°53'43	20°14	8°24	26°52	17°29	10° 8	0°34	17°17	9°15	22°12	15°43	15°37	7°56	n.a.	S 18
M19	10 48 28	13°51'46	3♒27	10°30	27°52	18°14	10°22	0°42	17°17	9°14	22°14	15°37	15°34	8° 3	n.a.	M19
T 20	10 52 25	14°49'47	17° 6	12°37	28°53	18°59	10°35	0°49	17°18	9°12	22°15	15°28	15°31	8° 9	n.a.	T 20
W21	10 56 21	15°47'46	1♓11	14°45	29°54	19°45	10°48	0°57	17°18	9°11	22°16	15°18	15°27	8°16	n.a.	W21
T 22	11 0 18	16°45'43	15°37	16°54	0♒55	20°30	11° 1	1° 5	17°19	9°10	22°17	15° 6	15°24	8°23	n.a.	T 22
F 23	11 4 14	17°43'39	0♈19	19° 3	1°56	21°15	11°14	1°12	17°20	9° 8	22°18	14°55	15°21	8°29	n.a.	F 23
S 24	11 8 11	18°41'33	15° 8	21°13	2°58	22° 0	11°27	1°20	17°20	9° 7	22°19	14°45	15°18	8°36	n.a.	S 24
S 25	11 12 7	19°39'25	29°55	23°23	4° 0	22°46	11°39	1°27	17°21	9° 5	22°20	14°38	15°15	8°43	n.a.	S 25
M26	11 16 4	20°37'15	14♉34	25°32	5° 2	23°31	11°52	1°35	17°22	9° 4	22°21	14°33	15°12	8°49	n.a.	M26
T 27	11 20 0	21°35'03	29° 0	27°41	6° 4	24°16	12° 5	1°42	17°23	9° 2	22°22	14°31	15° 8	8°56	n.a.	T 27
W28	11 23 57	22°32'50	13♊ 9	29°49	7° 7	25° 1	12°17	1°50	17°24	9° 1	22°23	14°D30	15° 5	9° 3	n.a.	W28
T 29	11 27 53	23°30'35	27° 1	1♈56	8°10	25°46	12°30	1°57	17°25	8°59	22°24	14°R30	15° 2	9° 9	n.a.	T 29
F 30	11 31 50	24°28'17	10♋37	4° 2	9°13	26°31	12°42	2° 5	17°26	8°57	22°25	14°29	14°59	9°16	n.a.	F 30
S 31	11 35 47	25♓25'58	23♋57	6♈ 6	10♒16	27♑16	12♒55	2♓12	17♊27	8♎56	22♑25	14♐27	14♐56	9♏23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s57	23n16	0n 5	21s12	2s16	20s45	2n42	24s45	0s56	20s 6	1s 5	14s17	2s 9	23n36	0n20	1s55	2n 8	34s58	13s 5	23s16	23s11	16s56		n.a.
F 2	12 37	22 46	1s 7	20 46	2 16	20 48	2 35	24 44	0 57	20 3	1 5	14 14	2 9	23 36	0 20	1 54	2 8	34 58	13 5	23 16	23 11	16 57		n.a.
S 3	12 17	20 56	2 15	20 18	2 16	20 50	2 27	24 43	0 58	19 59	1 6	14 11	2 9	23 36	0 20	1 54	2 8	34 57	13 5	23 16	23 11	16 59		n.a.
S 4	11 56	17 58	3 14	19 48	2 15	20 51	2 20	24 41	0 59	19 56	1 6	14 8	2 9	23 36	0 20	1 53	2 8	34 57	13 5	23 16	23 10	17 1		n.a.
M 5	11 35	14 6	4 2	19 16	2 14	20 53	2 14	24 39	1 0	19 52	1 6	14 6	2 10	23 36	0 20	1 53	2 9	34 57	13 6	23 15	23 10	17 2		n.a.
T 6	11 14	9 38	4 36	18 43	2 12	20 53	2 7	24 38	1 1	19 49	1 6	14 3	2 10	23 36	0 20	1 52	2 9	34 57	13 6	23 14	23 10	17 4		n.a.
W 7	10 53	4 50	4 56	18 8	2 10	20 54	2 0	24 35	1 1	19 45	1 6	14 0	2 10	23 36	0 20	1 52	2 9	34 57	13 6	23 13	23 9	17 6		n.a.
T 8	10 31	0s 6	5 1	17 30	2 7	20 53	1 53	24 33	1 2	19 42	1 6	13 57	2 10	23 36	0 20	1 51	2 9	34 57	13 6	23 11	23 9	17 7		n.a.
F 9	10 10	4 55	4 51	16 51	2 3	20 53	1 47	24 30	1 3	19 38	1 6	13 55	2 10	23 36	0 20	1 51	2 9	34 57	13 6	23 10	23 9	17 9		n.a.
S 10	9 48	9 29	4 28	16 10	1 59	20 51	1 40	24 27	1 4	19 35	1 6	13 52	2 10	23 36	0 20	1 50	2 9	34 57	13 7	23 9	23 8	17 10		n.a.
S 11	9 26	13 36	3 53	15 27	1 55	20 49	1 34	24 24	1 5	19 31	1 7	13 49	2 10	23 36	0 20	1 50	2 9	34 57	13 7	23 8	23 8	17 12		n.a.
M12	9 4	17 10	3 9	14 43	1 50	20 47	1 27	24 20	1 6	19 28	1 7	13 46	2 10	23 36	0 20	1 49	2 9	34 57	13 7	23 7	23 8	17 14		n.a.
T 13	8 42	20 0	2 16	13 56	1 44	20 44	1 21	24 16	1 7	19 24	1 7	13 44	2 10	23 36	0 20	1 49	2 9	34 58	13 7	23 7	23 7	17 15		n.a.
W14	8 20	22 0	1 18	13 8	1 38	20 41	1 15	24 12	1 8	19 21	1 7	13 41	2 10	23 36	0 20	1 48	2 9	34 58	13 8	23 7	23 7	17 17		n.a.
T 15	7 58	23 1	0 15	12 17	1 31	20 36	1 8	24 8	1 8	19 17	1 7	13 38	2 10	23 36	0 20	1 48	2 9	34 58	13 8	23 7	23 7	17 18		n.a.
F 16	7 35	22 59	0n49	11 26	1 24	20 32	1 2	24 4	1 9	19 14	1 7	13 36	2 10	23 36	0 20	1 47	2 9	34 58	13 8	23 7	23 6	17 20		n.a.
S 17	7 13	21 49	1 52	10 32	1 16	20 27	0 56	23 59	1 10	19 10	1 7	13 33	2 10	23 36	0 20	1 46	2 9	34 58	13 9	23 7	23 6	17 22		n.a.
S 18	6 50	19 30	2 51	9 37	1 8	20 21	0 50	23 54	1 11	19 7	1 8	13 30	2 10	23 36	0 20	1 46	2 9	34 58	13 9	23 6	23 6	17 23		n.a.
M19	6 28	16 7	3 44	8 41	0 59	20 15	0 45	23 48	1 12	19 3	1 8	13 27	2 10	23 36	0 20	1 45	2 9	34 58	13 9	23 6	23 5	17 25		n.a.
T 20	6 5	11 48	4 25	7 43	0 50	20 8	0 39	23 43	1 13	19 0	1 8	13 25	2 10	23 36	0 20	1 45	2 9	34 58	13 9	23 5	23 5	17 26		n.a.
W21	5 42	6 43	4 52	6 44	0 40	20 1	0 33	23 37	1 14	18 56	1 8	13 22	2 10	23 36	0 20	1 44	2 9	34 58	13 10	23 4	23 5	17 28		n.a.
T 22	5 19	1 10	5 0	5 44	0 30	19 53	0 28	23 31	1 14	18 53	1 8	13 19	2 11	23 36	0 20	1 43	2 9	34 58	13 10	23 2	23 4	17 29		n.a.
F 23	4 56	4n33	4 50	4 43	0 20	19 44	0 22	23 25	1 15	18 50	1 8	13 17	2 11	23 36	0 20	1 43	2 9	34 58	13 10	23 1	23 4	17 31		n.a.
S 24	4 33	10 3	4 20	3 42	0 10	19 35	0 17	23 18	1 16	18 46	1 9	13 14	2 11	23 36	0 20	1 42	2 9	34 58	13 11	23 0	23 4	17 33		n.a.
S 25	4 10	14 57	3 32	2 40	0n 1	19 26	0 12	23 11	1 17	18 43	1 9	13 11	2 11	23 36	0 20	1 42	2 9	34 58	13 11	22 59	23 3	17 34		n.a.
M26	3 47	18 55	2 31	1 38	0 11	19 16	0 6	23 4	1 18	18 39	1 9	13 9	2 11	23 36	0 20	1 41	2 9	34 59	13 11	22 58	23 3	17 36		n.a.
T 27	3 24	21 38	1 21	0 36	0 22	19 5	0 1	22 57	1 19	18 36	1 9	13 6	2 11	23 37	0 20	1 40	2 9	34 59	13 11	22 58	23 2	17 37		n.a.
W28	3 1	22 55	0 7	0n26	0 33	18 54	0s 4	22 50	1 19	18 32	1 9	13 3	2 11	23 37	0 20	1 40	2 9	34 59	13 12	22 58	23 2	17 39		n.a.
T 29	2 37	22 45	1s 6	1 27	0 44	18 42	0 8	22 42	1 20	18 29	1 9	13 1	2 11	23 37	0 20	1 39	2 9	34 59	13 12	22 58	23 2	17 40		n.a.
F 30	2 14	21 14	2 14	2 27	0 54	18 30	0 13	22 34	1 21	18 25	1 10	12 58	2 11	23 37	0 20	1 38	2 9	34 59	13 12	22 58	23 1	17 42		n.a.
S 31	1s51	18n34	3s13	3n27	1n 4	18s17	0s18	22s26	1s22	18s22	1s10	12s56	2s11	23n37	0n20	1s38	2n 9	34s59	13s13	22s58	23s 1	17s43		n.a.

Julian Day Number = 1116628.5, Delta T = 10h46m36s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'54, Lahiri = -26°47'54 Julian Calendar 1 March 1656 BCE == Greg. Calendar 15 Feb. 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

APRIL 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 39 43	26♓23'37	7♌ 4	8♈ 8	11♒20	28♑ 1	13♒ 7	2♓19	17♊28	8°R54	22♑26	14°R22	14♐53	9♏29	n.a.	S 1
M 2	11 43 40	27°21'15	19°58	10° 8	12°24	28°46	13°19	2°27	17°29	8♎53	22°27	14♐14	14°49	9°36	n.a.	M 2
T 3	11 47 36	28°18'51	2♍41	12° 6	13°28	29°31	13°32	2°34	17°31	8°51	22°28	14° 3	14°46	9°43	n.a.	T 3
W 4	11 51 33	29°16'25	15°13	14° 1	14°32	0♒16	13°44	2°41	17°32	8°50	22°29	13°51	14°43	9°49	n.a.	W 4
T 5	11 55 29	0♈13'57	27°35	15°54	15°36	1° 1	13°56	2°48	17°33	8°48	22°29	13°39	14°40	9°56	n.a.	T 5
F 6	11 59 26	1°11'29	9♎47	17°43	16°41	1°45	14° 8	2°56	17°35	8°46	22°30	13°26	14°37	10° 3	n.a.	F 6
S 7	12 3 22	2° 8'59	21°49	19°30	17°46	2°30	14°20	3° 3	17°36	8°45	22°31	13°16	14°33	10° 9	n.a.	S 7
S 8	12 7 19	3° 6'27	3♏44	21°14	18°51	3°15	14°31	3°10	17°38	8°43	22°32	13° 7	14°30	10°16	n.a.	S 8
M 9	12 11 16	4° 3'55	15°34	22°55	19°56	3°59	14°43	3°17	17°39	8°42	22°32	13° 1	14°27	10°23	n.a.	M 9
T 10	12 15 12	5° 1'22	27°22	24°33	21° 1	4°44	14°55	3°24	17°41	8°40	22°33	12°58	14°24	10°29	n.a.	T 10
W11	12 19 9	5°58'47	9♐12	26° 7	22° 7	5°29	15° 6	3°31	17°43	8°38	22°34	12°D57	14°21	10°36	n.a.	W11
T 12	12 23 5	6°56'12	21° 8	27°38	23°12	6°13	15°18	3°38	17°44	8°37	22°34	12°57	14°18	10°43	n.a.	T 12
F 13	12 27 2	7°53'36	3♑15	29° 7	24°18	6°57	15°29	3°45	17°46	8°35	22°35	12°R57	14°14	10°49	n.a.	F 13
S 14	12 30 58	8°50'58	15°40	0♉31	25°24	7°42	15°40	3°52	17°48	8°33	22°35	12°57	14°11	10°56	n.a.	S 14
S 15	12 34 55	9°48'20	28°25	1°53	26°30	8°26	15°52	3°59	17°50	8°32	22°36	12°56	14° 8	11° 3	n.a.	S 15
M16	12 38 51	10°45'41	11♒37	3°11	27°36	9°10	16° 3	4° 5	17°52	8°30	22°37	12°52	14° 5	11°10	n.a.	M16
T 17	12 42 48	11°43'02	25°17	4°26	28°43	9°55	16°14	4°12	17°54	8°29	22°37	12°46	14° 2	11°16	n.a.	T 17
W18	12 46 45	12°40'21	9♓26	5°37	29°49	10°39	16°25	4°19	17°56	8°27	22°38	12°38	13°59	11°23	n.a.	W18
T 19	12 50 41	13°37'40	24° 0	6°45	0♉56	11°23	16°35	4°26	17°58	8°25	22°38	12°30	13°55	11°30	n.a.	T 19
F 20	12 54 38	14°34'58	8♈54	7°49	2° 3	12° 7	16°46	4°32	18° 0	8°24	22°38	12°21	13°52	11°36	n.a.	F 20
S 21	12 58 34	15°32'15	24° 0	8°49	3°10	12°51	16°57	4°39	18° 2	8°22	22°39	12°13	13°49	11°43	n.a.	S 21
S 22	13 2 31	16°29'31	9♉ 6	9°46	4°17	13°35	17° 7	4°45	18° 4	8°21	22°39	12° 7	13°46	11°50	n.a.	S 22
M23	13 6 27	17°26'46	24° 5	10°39	5°24	14°19	17°18	4°52	18° 6	8°19	22°40	12° 4	13°43	11°56	n.a.	M23
T 24	13 10 24	18°24'00	8♊48	11°28	6°31	15° 3	17°28	4°58	18° 9	8°17	22°40	12°D 3	13°39	12° 3	n.a.	T 24
W25	13 14 20	19°21'13	23°10	12°13	7°39	15°46	17°38	5° 4	18°11	8°16	22°40	12° 3	13°36	12°10	n.a.	W25
T 26	13 18 17	20°18'25	7♋10	12°54	8°46	16°30	17°48	5°11	18°13	8°14	22°41	12° 4	13°33	12°16	n.a.	T 26
F 27	13 22 14	21°15'36	20°47	13°31	9°54	17°14	17°58	5°17	18°16	8°13	22°41	12°R 5	13°30	12°23	n.a.	F 27
S 28	13 26 10	22°12'46	4♌ 4	14° 4	11° 2	17°57	18° 8	5°23	18°18	8°11	22°41	12° 4	13°27	12°30	n.a.	S 28
S 29	13 30 7	23° 9'55	17° 2	14°32	12°10	18°41	18°18	5°29	18°20	8°10	22°41	12° 1	13°24	12°36	n.a.	S 29
M30	13 34 3	24♈ 7'03	29♌45	14♉56	13♓18	19♒24	18♒27	5♓35	18♊23	8♎ 8	22♑41	11♐57	13♐20	12♏43	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s28	14n59	4s 0	4n25	1n14	18s 4	0s22	22s18	1s23	18s19	1s10	12s53	2s12	23n37	0n20	1s37	2n 9	34s59	13s13	22s57	23s 1	17s45		n.a.
M 2	1 4	10 45	4 35	5 22	1 23	17 50	0 27	22 9	1 24	18 15	1 10	12 50	2 12	23 37	0 20	1 36	2 9	35 0	13 13	22 56	23 0	17 46		n.a.
T 3	0 41	6 7	4 55	6 17	1 32	17 36	0 31	22 0	1 24	18 12	1 10	12 48	2 12	23 37	0 20	1 36	2 9	35 0	13 14	22 55	23 0	17 48		n.a.
W 4	0 18	1 19	5 1	7 10	1 41	17 21	0 36	21 51	1 25	18 8	1 11	12 45	2 12	23 37	0 20	1 35	2 9	35 0	13 14	22 53	23 0	17 49		n.a.
T 5	0n 6	3s29	4 52	8 2	1 49	17 5	0 40	21 42	1 26	18 5	1 11	12 43	2 12	23 37	0 20	1 35	2 9	35 0	13 14	22 52	22 59	17 51		n.a.
F 6	0 29	8 4	4 30	8 52	1 56	16 49	0 44	21 33	1 27	18 2	1 11	12 40	2 12	23 38	0 20	1 34	2 9	35 0	13 15	22 50	22 59	17 52		n.a.
S 7	0 52	12 18	3 57	9 40	2 3	16 33	0 48	21 23	1 27	17 58	1 11	12 38	2 12	23 38	0 20	1 33	2 9	35 0	13 15	22 49	22 58	17 54		n.a.
S 8	1 15	16 0	3 13	10 25	2 9	16 16	0 52	21 13	1 28	17 55	1 11	12 35	2 12	23 38	0 20	1 33	2 9	35 1	13 15	22 48	22 58	17 55		n.a.
M 9	1 39	19 2	2 20	11 9	2 15	15 59	0 55	21 3	1 29	17 52	1 12	12 33	2 13	23 38	0 20	1 32	2 9	35 1	13 16	22 47	22 58	17 57		n.a.
T 10	2 2	21 16	1 22	11 50	2 19	15 41	0 59	20 53	1 30	17 48	1 12	12 30	2 13	23 38	0 20	1 31	2 9	35 1	13 16	22 47	22 57	17 58		n.a.
W11	2 25	22 34	0 20	12 29	2 23	15 23	1 3	20 43	1 31	17 45	1 12	12 28	2 13	23 38	0 20	1 31	2 9	35 1	13 16	22 47	22 57	18 0		n.a.
T 12	2 48	22 52	0n44	13 6	2 26	15 4	1 6	20 32	1 31	17 42	1 12	12 25	2 13	23 38	0 20	1 30	2 9	35 1	13 17	22 47	22 57	18 1		n.a.
F 13	3 11	22 5	1 46	13 40	2 29	14 45	1 9	20 22	1 32	17 39	1 12	12 23	2 13	23 39	0 20	1 29	2 9	35 2	13 17	22 47	22 56	18 2		n.a.
S 14	3 34	20 13	2 45	14 12	2 30	14 26	1 13	20 11	1 33	17 35	1 13	12 20	2 13	23 39	0 20	1 29	2 9	35 2	13 17	22 47	22 56	18 4		n.a.
S 15	3 57	17 18	3 38	14 42	2 31	14 6	1 16	20 0	1 33	17 32	1 13	12 18	2 14	23 39	0 20	1 28	2 9	35 2	13 18	22 46	22 55	18 5		n.a.
M16	4 20	13 27	4 21	15 10	2 31	13 45	1 19	19 48	1 34	17 29	1 13	12 16	2 14	23 39	0 20	1 27	2 9	35 2	13 18	22 46	22 55	18 7		n.a.
T 17	4 43	8 46	4 51	15 35	2 30	13 25	1 22	19 37	1 35	17 26	1 13	12 13	2 14	23 39	0 20	1 27	2 9	35 3	13 18	22 45	22 55	18 8		n.a.
W18	5 6	3 29	5 4	15 58	2 29	13 4	1 24	19 25	1 36	17 23	1 14	12 11	2 14	23 39	0 20	1 26	2 9	35 3	13 19	22 44	22 54	18 10		n.a.
T 19	5 28	2n 8	4 59	16 19	2 26	12 42	1 27	19 14	1 36	17 20	1 14	12 9	2 14	23 40	0 20	1 25	2 9	35 3	13 19	22 43	22 54	18 11		n.a.
F 20	5 51	7 46	4 33	16 38	2 23	12 20	1 30	19 2	1 37	17 17	1 14	12 6	2 14	23 40	0 20	1 25	2 9	35 3	13 19	22 42	22 54	18 12		n.a.
S 21	6 14	13 0	3 48	16 54	2 19	11 58	1 32	18 50	1 38	17 14	1 14	12 4	2 15	23 40	0 20	1 24	2 9	35 4	13 20	22 41	22 53	18 14		n.a.
S 22	6 36	17 26	2 47	17 8	2 14	11 35	1 35	18 38	1 38	17 10	1 14	12 2	2 15	23 40	0 20	1 24	2 9	35 4	13 20	22 40	22 53	18 15		n.a.
M23	6 58	20 41	1 35	17 19	2 8	11 12	1 37	18 25	1 39	17 7	1 15	11 59	2 15	23 40	0 20	1 23	2 9	35 4	13 21	22 40	22 52	18 17		n.a.
T 24	7 21	22 28	0 17	17 29	2 2	10 49	1 39	18 13	1 40	17 5	1 15	11 57	2 15	23 41	0 20	1 22	2 9	35 5	13 21	22 39	22 52	18 18		n.a.
W25	7 43	22 43	1s 0	17 36	1 54	10 25	1 41	18 0	1 41	17 2	1 15	11 55	2 15	23 41	0 20	1 22	2 9	35 5	13 21	22 39	22 52	18 19		n.a.
T 26	8 5	21 31	2 11	17 41	1 46	10 1	1 43	17 47	1 41	16 59	1 15	11 53	2 15	23 41	0 20	1 21	2 9	35 5	13 22	22 40	22 51	18 21		n.a.
F 27	8 27	19 4	3 13	17 44	1 37	9 37	1 45	17 34	1 42	16 56	1 16	11 51	2 16	23 41	0 20	1 20	2 9	35 5	13 22	22 40	22 51	18 22		n.a.
S 28	8 48	15 40	4 3	17 44	1 27	9 12	1 47	17 21	1 43	16 53	1 16	11 49	2 16	23 41	0 20	1 20	2 9	35 6	13 22	22 40	22 50	18 24		n.a.
S 29	9 10	11 35	4 39	17 43	1 16	8 47	1 48	17 8	1 43	16 50	1 16	11 46	2 16	23 42	0 20	1 19	2 9	35 6	13 23	22 39	22 50	18 25		n.a.
M30	9n31	7n 5	5s 1	17n39	1n 4	8s22	1s50	16s55	1s44	16s47	1s16	11s44	2s16	23n42	0n20	1s19	2n 9	35s 6	13s23	22s39	22s50	18s26		n.a.

Julian Day Number = 1116659.5, Delta T = 10h46m35s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'50, Lahiri = -26°47'49 Julian Calendar 1 Apr. 1656 BCE == Greg. Calendar 18 March 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

MAY 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 38 0	25♈ 4'10	12♍14	15♉16	14♓26	20♒ 7	18♒37	5♓41	18♊25	8°R 6	22♑42	11°R50	13♐17	12♏50	n.a.	T 1
W 2	13 41 56	26° 1'16	24°31	15°31	15°34	20°51	18°46	5°47	18°28	8♎ 5	22°42	11♐43	13°14	12°56	n.a.	W 2
T 3	13 45 53	26°58'22	6♎40	15°42	16°42	21°34	18°55	5°53	18°31	8° 3	22°42	11°34	13°11	13° 3	n.a.	T 3
F 4	13 49 49	27°55'27	18°41	15°47	17°50	22°17	19° 5	5°59	18°33	8° 2	22°42	11°27	13° 8	13° 9	n.a.	F 4
S 5	13 53 46	28°52'31	0♏36	15°R49	18°59	23° 0	19°14	6° 5	18°36	8° 0	22°42	11°20	13° 4	13°16	n.a.	S 5
S 6	13 57 43	29°49'36	12°26	15°46	20° 7	23°43	19°22	6°10	18°39	7°59	22°42	11°14	13° 1	13°23	n.a.	S 6
M 7	14 1 39	0♉46'40	24°15	15°38	21°16	24°26	19°31	6°16	18°41	7°57	22°42	11°11	12°58	13°29	n.a.	M 7
T 8	14 5 36	1°43'43	6♐ 3	15°26	22°25	25° 9	19°40	6°21	18°44	7°56	22°R42	11°D10	12°55	13°36	n.a.	T 8
W 9	14 9 32	2°40'47	17°55	15°11	23°34	25°51	19°48	6°27	18°47	7°55	22°42	11°10	12°52	13°43	n.a.	W 9
T 10	14 13 29	3°37'50	29°53	14°51	24°43	26°34	19°57	6°32	18°50	7°53	22°42	11°11	12°49	13°49	n.a.	T 10
F 11	14 17 25	4°34'54	12♑ 2	14°27	25°52	27°17	20° 5	6°38	18°53	7°52	22°42	11°12	12°45	13°56	n.a.	F 11
S 12	14 21 22	5°31'57	24°27	14° 1	27° 1	27°59	20°13	6°43	18°56	7°50	22°42	11°14	12°42	14° 3	n.a.	S 12
S 13	14 25 19	6°29'00	7♒11	13°32	28°10	28°41	20°21	6°48	18°59	7°49	22°42	11°R14	12°39	14° 9	n.a.	S 13
M14	14 29 15	7°26'04	20°19	13° 0	29°19	29°24	20°29	6°53	19° 2	7°48	22°42	11°14	12°36	14°16	n.a.	M14
T 15	14 33 12	8°23'08	3♓54	12°26	0♈29	0♓ 6	20°37	6°58	19° 5	7°46	22°42	11°11	12°33	14°23	n.a.	T 15
W16	14 37 8	9°20'12	17°57	11°51	1°38	0°48	20°44	7° 3	19° 8	7°45	22°41	11° 8	12°30	14°29	n.a.	W16
T 17	14 41 5	10°17'16	2♈26	11°16	2°48	1°30	20°52	7° 8	19°11	7°44	22°41	11° 4	12°26	14°36	n.a.	T 17
F 18	14 45 1	11°14'20	17°18	10°40	3°57	2°12	20°59	7°13	19°14	7°42	22°41	11° 0	12°23	14°43	n.a.	F 18
S 19	14 48 58	12°11'24	2♉25	10° 5	5° 7	2°54	21° 6	7°18	19°17	7°41	22°41	10°56	12°20	14°49	n.a.	S 19
S 20	14 52 54	13° 8'29	17°38	9°31	6°17	3°36	21°13	7°22	19°20	7°40	22°40	10°54	12°17	14°56	n.a.	S 20
M21	14 56 51	14° 5'33	2♊47	8°59	7°26	4°17	21°20	7°27	19°23	7°39	22°40	10°52	12°14	15° 3	n.a.	M21
T 22	15 0 48	15° 2'38	17°43	8°29	8°36	4°59	21°27	7°32	19°27	7°37	22°40	10°D52	12°10	15° 9	n.a.	T 22
W23	15 4 44	15°59'43	2♋19	8° 2	9°46	5°40	21°33	7°36	19°30	7°36	22°39	10°53	12° 7	15°16	n.a.	W23
T 24	15 8 41	16°56'48	16°30	7°38	10°56	6°22	21°39	7°40	19°33	7°35	22°39	10°54	12° 4	15°23	n.a.	T 24
F 25	15 12 37	17°53'52	0♌16	7°17	12° 7	7° 3	21°46	7°45	19°36	7°34	22°39	10°56	12° 1	15°29	n.a.	F 25
S 26	15 16 34	18°50'57	13°37	7° 1	13°17	7°44	21°52	7°49	19°40	7°33	22°38	10°R56	11°58	15°36	n.a.	S 26
S 27	15 20 30	19°48'01	26°35	6°49	14°27	8°25	21°58	7°53	19°43	7°32	22°38	10°56	11°55	15°43	n.a.	S 27
M28	15 24 27	20°45'06	9♍13	6°42	15°37	9° 6	22° 3	7°57	19°46	7°30	22°37	10°55	11°51	15°49	n.a.	M28
T 29	15 28 24	21°42'10	21°35	6°D40	16°48	9°46	22° 9	8° 1	19°50	7°29	22°37	10°54	11°48	15°56	n.a.	T 29
W30	15 32 20	22°39'15	3♎45	6°43	17°58	10°27	22°14	8° 5	19°53	7°28	22°36	10°51	11°45	16° 3	n.a.	W30
T 31	15 36 17	23♉36'20	15♎45	6♉51	19♈ 9	11♓ 8	22♒19	8♓ 8	19♊56	7♎27	22♑36	10♐49	11♐42	16♏ 9	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9n53	2n22	5s 8	17n33	0n52	7s57	1s52	16s42	1s44	16s45	1s17	11s42	2s16	23n42	0n20	1s18	2n 9	35s 7	13s23	22s38	22s49	18s28		n.a.
W 2	10 14	2s22	5 0	17 25	0 39	7 31	1 53	16 28	1 45	16 42	1 17	11 40	2 17	23 42	0 20	1 17	2 9	35 7	13 24	22 37	22 49	18 29		n.a.
T 3	10 35	6 57	4 39	17 15	0 25	7 5	1 54	16 15	1 46	16 39	1 17	11 38	2 17	23 43	0 20	1 17	2 9	35 7	13 24	22 36	22 48	18 30		n.a.
F 4	10 56	11 14	4 6	17 3	0 11	6 39	1 55	16 1	1 46	16 36	1 18	11 36	2 17	23 43	0 20	1 16	2 9	35 8	13 24	22 34	22 48	18 32		n.a.
S 5	11 17	15 2	3 22	16 49	0s 4	6 13	1 56	15 47	1 47	16 34	1 18	11 34	2 17	23 43	0 20	1 16	2 9	35 8	13 25	22 34	22 48	18 33		n.a.
S 6	11 37	18 14	2 30	16 33	0 19	5 46	1 57	15 33	1 47	16 31	1 18	11 32	2 17	23 43	0 20	1 15	2 9	35 8	13 25	22 33	22 47	18 34		n.a.
M 7	11 58	20 39	1 31	16 16	0 35	5 20	1 58	15 19	1 48	16 29	1 18	11 30	2 18	23 43	0 20	1 15	2 9	35 9	13 26	22 32	22 47	18 36		n.a.
T 8	12 18	22 11	0 28	15 57	0 52	4 53	1 59	15 5	1 49	16 26	1 19	11 28	2 18	23 44	0 20	1 14	2 9	35 9	13 26	22 32	22 46	18 37		n.a.
W 9	12 38	22 43	0n37	15 37	1 8	4 26	2 0	14 51	1 49	16 24	1 19	11 27	2 18	23 44	0 20	1 13	2 9	35 9	13 26	22 32	22 46	18 38		n.a.
T 10	12 58	22 13	1 40	15 15	1 25	3 58	2 0	14 36	1 50	16 21	1 19	11 25	2 18	23 44	0 20	1 13	2 9	35 10	13 27	22 32	22 46	18 40		n.a.
F 11	13 17	20 40	2 41	14 52	1 41	3 31	2 1	14 22	1 50	16 19	1 19	11 23	2 19	23 44	0 20	1 12	2 9	35 10	13 27	22 32	22 45	18 41		n.a.
S 12	13 37	18 7	3 35	14 29	1 57	3 3	2 1	14 8	1 51	16 16	1 20	11 21	2 19	23 45	0 20	1 12	2 9	35 10	13 27	22 33	22 45	18 42		n.a.
S 13	13 56	14 38	4 19	14 5	2 13	2 35	2 1	13 53	1 51	16 14	1 20	11 19	2 19	23 45	0 20	1 11	2 9	35 11	13 28	22 33	22 44	18 44		n.a.
M14	14 15	10 22	4 52	13 40	2 29	2 8	2 1	13 38	1 52	16 12	1 20	11 18	2 19	23 45	0 20	1 11	2 9	35 11	13 28	22 33	22 44	18 45		n.a.
T 15	14 34	5 27	5 10	13 16	2 44	1 40	2 2	13 24	1 53	16 10	1 21	11 16	2 20	23 45	0 20	1 10	2 9	35 12	13 28	22 32	22 43	18 46		n.a.
W16	14 52	0 6	5 11	12 52	2 58	1 11	2 2	13 9	1 53	16 7	1 21	11 14	2 20	23 46	0 20	1 10	2 9	35 12	13 29	22 32	22 43	18 48		n.a.
T 17	15 11	5n26	4 52	12 28	3 11	0 43	2 1	12 54	1 54	16 5	1 21	11 13	2 20	23 46	0 20	1 9	2 9	35 12	13 29	22 31	22 43	18 49		n.a.
F 18	15 29	10 47	4 13	12 6	3 23	0 15	2 1	12 39	1 54	16 3	1 22	11 11	2 20	23 46	0 20	1 9	2 9	35 13	13 29	22 31	22 42	18 50		n.a.
S 19	15 47	15 35	3 16	11 44	3 34	0n13	2 1	12 24	1 55	16 1	1 22	11 10	2 21	23 46	0 20	1 8	2 9	35 13	13 30	22 30	22 42	18 51		n.a.
S 20	16 4	19 24	2 4	11 24	3 44	0 42	2 1	12 9	1 55	15 59	1 22	11 8	2 21	23 47	0 20	1 8	2 9	35 14	13 30	22 30	22 41	18 53		n.a.
M21	16 22	21 50	0 44	11 6	3 52	1 10	2 0	11 54	1 56	15 57	1 22	11 6	2 21	23 47	0 20	1 7	2 9	35 14	13 30	22 30	22 41	18 54		n.a.
T 22	16 39	22 41	0s38	10 50	3 59	1 39	2 0	11 39	1 56	15 55	1 23	11 5	2 21	23 47	0 20	1 7	2 9	35 14	13 31	22 30	22 40	18 55		n.a.
W23	16 56	21 57	1 55	10 35	4 5	2 7	1 59	11 24	1 56	15 53	1 23	11 4	2 22	23 47	0 20	1 7	2 8	35 15	13 31	22 30	22 40	18 56		n.a.
T 24	17 13	19 48	3 4	10 24	4 9	2 36	1 59	11 9	1 57	15 52	1 23	11 2	2 22	23 48	0 20	1 6	2 8	35 15	13 31	22 30	22 40	18 58		n.a.
F 25	17 29	16 34	4 0	10 15	4 11	3 4	1 58	10 54	1 57	15 50	1 24	11 1	2 22	23 48	0 20	1 6	2 8	35 15	13 32	22 30	22 39	18 59		n.a.
S 26	17 45	12 34	4 40	10 8	4 13	3 33	1 57	10 39	1 58	15 48	1 24	10 59	2 22	23 48	0 20	1 5	2 8	35 16	13 32	22 30	22 39	19 0		n.a.
S 27	18 1	8 6	5 6	10 4	4 13	4 1	1 56	10 23	1 58	15 47	1 24	10 58	2 23	23 48	0 20	1 5	2 8	35 16	13 32	22 30	22 38	19 1		n.a.
M28	18 16	3 24	5 15	10 3	4 11	4 30	1 55	10 8	1 59	15 45	1 25	10 57	2 23	23 49	0 20	1 5	2 8	35 17	13 33	22 30	22 38	19 3		n.a.
T 29	18 32	1s20	5 10	10 5	4 8	4 58	1 54	9 53	1 59	15 43	1 25	10 56	2 23	23 49	0 20	1 4	2 8	35 17	13 33	22 30	22 37	19 4		n.a.
W30	18 47	5 57	4 51	10 10	4 5	5 27	1 53	9 37	2 0	15 42	1 25	10 54	2 23	23 49	0 20	1 4	2 8	35 18	13 33	22 29	22 37	19 5		n.a.
T 31	19n 1	10s17	4s19	10n17	3s59	5n55	1s52	9s22	2s 0	15s41	1s26	10s53	2s24	23n50	0n20	1s 3	2n 8	35s18	13s34	22s29	22s37	19s 6		n.a.

Julian Day Number = 1116689.5, Delta T = 10h46m33s
Ecliptic obliquity = 23°53'14, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'46, Lahiri = -26°47'45 Julian Calendar 1 May 1656 BCE == Greg. Calendar 17 Apr. 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

JUNE 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 40 13	24♉33'25	27♎38	7♉ 4	20♈19	11♓48	22♒24	8♓12	20♊ 0	7°R26	22°R35	10°R46	11♐39	16♏16	n.a.	F 1
S 2	15 44 10	25°30'31	9♏28	7°23	21°30	12°28	22°29	8°16	20° 3	7♎25	22♑35	10♐44	11°35	16°23	n.a.	S 2
S 3	15 48 6	26°27'37	21°17	7°47	22°41	13° 9	22°34	8°19	20° 7	7°25	22°34	10°42	11°32	16°29	n.a.	S 3
M 4	15 52 3	27°24'44	3♐ 6	8°17	23°51	13°49	22°39	8°22	20°10	7°24	22°34	10°42	11°29	16°36	n.a.	M 4
T 5	15 55 59	28°21'51	14°59	8°52	25° 2	14°29	22°43	8°26	20°14	7°23	22°33	10°D42	11°26	16°43	n.a.	T 5
W 6	15 59 56	29°18'59	26°57	9°32	26°13	15° 9	22°47	8°29	20°17	7°22	22°32	10°42	11°23	16°49	n.a.	W 6
T 7	16 3 53	0♊16'08	9♑ 3	10°18	27°24	15°48	22°51	8°32	20°21	7°21	22°32	10°43	11°20	16°56	n.a.	T 7
F 8	16 7 49	1°13'18	21°20	11° 9	28°35	16°28	22°55	8°35	20°25	7°20	22°31	10°44	11°16	17° 3	n.a.	F 8
S 9	16 11 46	2°10'29	3♒51	12° 5	29°46	17° 7	22°59	8°38	20°28	7°19	22°30	10°45	11°13	17° 9	n.a.	S 9
S 10	16 15 42	3° 7'41	16°38	13° 6	0♉58	17°47	23° 2	8°41	20°32	7°19	22°30	10°45	11°10	17°16	n.a.	S 10
M11	16 19 39	4° 4'53	29°46	14°12	2° 9	18°26	23° 6	8°44	20°35	7°18	22°29	10°R45	11° 7	17°23	n.a.	M11
T 12	16 23 35	5° 2'07	13♓15	15°24	3°20	19° 5	23° 9	8°46	20°39	7°17	22°28	10°45	11° 4	17°29	n.a.	T 12
W13	16 27 32	5°59'22	27° 9	16°40	4°31	19°44	23°12	8°49	20°43	7°17	22°27	10°45	11° 1	17°36	n.a.	W13
T 14	16 31 29	6°56'38	11♈26	18° 1	5°43	20°23	23°14	8°51	20°46	7°16	22°26	10°45	10°57	17°43	n.a.	T 14
F 15	16 35 25	7°53'56	26° 4	19°26	6°54	21° 1	23°17	8°53	20°50	7°15	22°26	10°44	10°54	17°49	n.a.	F 15
S 16	16 39 22	8°51'14	10♉58	20°56	8° 6	21°40	23°19	8°56	20°53	7°15	22°25	10°44	10°51	17°56	n.a.	S 16
S 17	16 43 18	9°48'34	26° 2	22°30	9°18	22°18	23°21	8°58	20°57	7°14	22°24	10°44	10°48	18° 3	n.a.	S 17
M18	16 47 15	10°45'55	11♊ 7	24° 8	10°29	22°56	23°23	9° 0	21° 1	7°14	22°23	10°44	10°45	18° 9	n.a.	M18
T 19	16 51 11	11°43'17	26° 4	25°51	11°41	23°34	23°25	9° 2	21° 5	7°13	22°22	10°44	10°41	18°16	n.a.	T 19
W20	16 55 8	12°40'40	10♋45	27°36	12°53	24°12	23°27	9° 4	21° 8	7°13	22°21	10°44	10°38	18°23	n.a.	W20
T 21	16 59 4	13°38'04	25° 5	29°25	14° 5	24°50	23°28	9° 5	21°12	7°12	22°20	10°44	10°35	18°29	n.a.	T 21
F 22	17 3 1	14°35'29	8♌59	1♊17	15°17	25°27	23°30	9° 7	21°16	7°12	22°19	10°43	10°32	18°36	n.a.	F 22
S 23	17 6 58	15°32'55	22°26	3°12	16°29	26° 5	23°31	9° 8	21°19	7°12	22°18	10°43	10°29	18°43	n.a.	S 23
S 24	17 10 54	16°30'21	5♍28	5° 9	17°41	26°42	23°31	9°10	21°23	7°11	22°18	10°43	10°26	18°49	n.a.	S 24
M25	17 14 51	17°27'49	18° 8	7° 7	18°53	27°19	23°32	9°11	21°27	7°11	22°17	10°D43	10°22	18°56	n.a.	M25
T 26	17 18 47	18°25'17	0♎29	9° 8	20° 5	27°56	23°32	9°12	21°31	7°11	22°16	10°43	10°19	19° 3	n.a.	T 26
W27	17 22 44	19°22'47	12°35	11° 9	21°17	28°32	23°33	9°13	21°34	7°11	22°15	10°43	10°16	19° 9	n.a.	W27
T 28	17 26 40	20°20'18	24°31	13°12	22°29	29° 9	23°R33	9°14	21°38	7°10	22°13	10°44	10°13	19°16	n.a.	T 28
F 29	17 30 37	21°17'49	6♏22	15°15	23°42	29°45	23°33	9°15	21°42	7°10	22°12	10°45	10°10	19°22	n.a.	F 29
S 30	17 34 33	22♊15'22	18♏10	17♊18	24♉54	0♈21	23♒32	9♓16	21♊45	7♎10	22♑11	10♐46	10♐ 7	19♏29	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n16	14s11	3s36	10n28	3s53	6n23	1s50	9s 7	2s 0	15s39	1s26	10s52	2s24	23n50	0n20	1s 3	2n 8	35s18	13s34	22s29	22s36	19s 8		n.a.
S 2	19 30	17 30	2 44	10 40	3 46	6 51	1 49	8 51	2 1	15 38	1 26	10 51	2 24	23 50	0 20	1 3	2 8	35 19	13 34	22 28	22 36	19 9		n.a.
S 3	19 43	20 7	1 45	10 56	3 38	7 19	1 48	8 36	2 1	15 37	1 27	10 50	2 25	23 50	0 20	1 2	2 8	35 19	13 35	22 28	22 35	19 10		n.a.
M 4	19 57	21 51	0 42	11 14	3 29	7 47	1 46	8 21	2 1	15 35	1 27	10 49	2 25	23 51	0 20	1 2	2 8	35 20	13 35	22 28	22 35	19 11		n.a.
T 5	20 10	22 38	0n24	11 34	3 19	8 15	1 45	8 5	2 2	15 34	1 27	10 48	2 25	23 51	0 20	1 2	2 8	35 20	13 35	22 28	22 34	19 12		n.a.
W 6	20 23	22 22	1 29	11 57	3 9	8 43	1 43	7 50	2 2	15 33	1 28	10 47	2 25	23 51	0 20	1 2	2 8	35 20	13 36	22 28	22 34	19 14		n.a.
T 7	20 35	21 4	2 31	12 22	2 58	9 10	1 41	7 34	2 2	15 32	1 28	10 46	2 26	23 51	0 20	1 1	2 8	35 21	13 36	22 28	22 33	19 15		n.a.
F 8	20 47	18 45	3 27	12 49	2 47	9 38	1 40	7 19	2 3	15 31	1 28	10 45	2 26	23 52	0 20	1 1	2 8	35 21	13 36	22 28	22 33	19 16		n.a.
S 9	20 59	15 32	4 14	13 18	2 34	10 5	1 38	7 4	2 3	15 30	1 29	10 44	2 26	23 52	0 20	1 1	2 8	35 22	13 37	22 28	22 33	19 17		n.a.
S 10	21 10	11 32	4 50	13 48	2 22	10 32	1 36	6 48	2 3	15 29	1 29	10 43	2 27	23 52	0 20	1 1	2 8	35 22	13 37	22 29	22 32	19 18		n.a.
M11	21 21	6 54	5 12	14 21	2 9	10 59	1 34	6 33	2 4	15 29	1 29	10 43	2 27	23 52	0 20	1 0	2 7	35 23	13 37	22 29	22 32	19 19		n.a.
T 12	21 32	1 50	5 17	14 54	1 56	11 25	1 32	6 18	2 4	15 28	1 30	10 42	2 27	23 53	0 20	1 0	2 7	35 23	13 37	22 29	22 31	19 21		n.a.
W13	21 43	3n29	5 5	15 29	1 43	11 51	1 30	6 2	2 4	15 27	1 30	10 41	2 27	23 53	0 20	1 0	2 7	35 23	13 38	22 29	22 31	19 22		n.a.
T 14	21 52	8 47	4 33	16 5	1 30	12 18	1 28	5 47	2 5	15 27	1 30	10 40	2 28	23 53	0 20	1 0	2 7	35 24	13 38	22 29	22 30	19 23		n.a.
F 15	22 2	13 42	3 44	16 42	1 16	12 43	1 26	5 32	2 5	15 26	1 31	10 40	2 28	23 54	0 20	0 59	2 7	35 24	13 38	22 28	22 30	19 24		n.a.
S 16	22 11	17 54	2 38	17 19	1 3	13 9	1 24	5 17	2 5	15 26	1 31	10 39	2 28	23 54	0 20	0 59	2 7	35 25	13 39	22 28	22 29	19 25		n.a.
S 17	22 20	20 56	1 21	17 57	0 50	13 34	1 21	5 1	2 5	15 25	1 31	10 39	2 29	23 54	0 20	0 59	2 7	35 25	13 39	22 28	22 29	19 26		n.a.
M18	22 29	22 30	0s 2	18 34	0 36	13 59	1 19	4 46	2 6	15 25	1 32	10 38	2 29	23 54	0 20	0 59	2 7	35 25	13 39	22 28	22 28	19 27		n.a.
T 19	22 37	22 25	1 24	19 12	0 24	14 24	1 17	4 31	2 6	15 25	1 32	10 38	2 29	23 55	0 20	0 59	2 7	35 26	13 39	22 28	22 28	19 28		n.a.
W20	22 44	20 48	2 39	19 49	0 11	14 49	1 15	4 16	2 6	15 24	1 32	10 37	2 30	23 55	0 20	0 59	2 7	35 26	13 40	22 28	22 28	19 30		n.a.
T 21	22 52	17 52	3 42	20 25	0n 1	15 13	1 12	4 1	2 6	15 24	1 33	10 37	2 30	23 55	0 20	0 59	2 7	35 27	13 40	22 28	22 27	19 31		n.a.
F 22	22 59	14 0	4 30	21 1	0 13	15 37	1 10	3 46	2 6	15 24	1 33	10 37	2 30	23 55	0 20	0 59	2 7	35 27	13 40	22 28	22 27	19 32		n.a.
S 23	23 5	9 33	5 2	21 35	0 24	16 0	1 7	3 31	2 7	15 24	1 33	10 36	2 30	23 56	0 20	0 58	2 7	35 28	13 40	22 28	22 26	19 33		n.a.
S 24	23 11	4 47	5 16	22 7	0 35	16 23	1 5	3 16	2 7	15 24	1 34	10 36	2 31	23 56	0 20	0 58	2 7	35 28	13 41	22 28	22 26	19 34		n.a.
M25	23 17	0s 2	5 15	22 38	0 45	16 46	1 2	3 1	2 7	15 24	1 34	10 36	2 31	23 56	0 20	0 58	2 7	35 28	13 41	22 28	22 25	19 35		n.a.
T 26	23 22	4 45	4 59	23 7	0 54	17 8	1 0	2 47	2 7	15 24	1 35	10 36	2 31	23 56	0 20	0 58	2 6	35 29	13 41	22 28	22 25	19 36		n.a.
W27	23 27	9 11	4 30	23 34	1 3	17 30	0 57	2 32	2 7	15 25	1 35	10 36	2 32	23 57	0 20	0 58	2 6	35 29	13 41	22 28	22 24	19 37		n.a.
T 28	23 32	13 13	3 50	23 58	1 10	17 51	0 55	2 17	2 7	15 25	1 35	10 35	2 32	23 57	0 20	0 58	2 6	35 30	13 41	22 28	22 24	19 38		n.a.
F 29	23 36	16 43	3 0	24 20	1 18	18 12	0 52	2 3	2 7	15 25	1 36	10 35	2 32	23 57	0 20	0 58	2 6	35 30	13 42	22 29	22 23	19 39		n.a.
S 30	23n39	19s31	2s 2	24n40	1n24	18n33	0s50	1s48	2s 8	15s26	1s36	10s35	2s33	23n57	0n20	0s58	2n 6	35s30	13s42	22s29	22s23	19s40		n.a.

Julian Day Number = 1116720.5, Delta T = 10h46m31s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'41, Lahiri = -26°47'41 Julian Calendar 1 June 1656 BCE == Greg. Calendar 18 May 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

JULY 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 38 30	23♊12'57	29♏59	19♊21	26♉ 6	0♈57	23°R32	9♓17	21♊49	7°R10	22°R10	10♐47	10♐ 3	19♏36	n.a.	S 1
M 2	17 42 27	24°10'32	11♐54	21°24	27°19	1°33	23♒31	9°17	21°53	7♎10	22♑ 9	10°R47	10° 0	19°42	n.a.	M 2
T 3	17 46 23	25° 8'10	23°54	23°27	28°31	2° 9	23°30	9°18	21°57	7°10	22° 8	10°47	9°57	19°49	n.a.	T 3
W 4	17 50 20	26° 5'48	6♑ 4	25°29	29°44	2°44	23°29	9°18	22° 0	7°D10	22° 7	10°46	9°54	19°56	n.a.	W 4
T 5	17 54 16	27° 3'28	18°23	27°30	0♊57	3°19	23°27	9°18	22° 4	7°10	22° 6	10°44	9°51	20° 2	n.a.	T 5
F 6	17 58 13	28° 1'10	0♒55	29°30	2° 9	3°54	23°26	9°18	22° 8	7°10	22° 5	10°41	9°47	20° 9	n.a.	F 6
S 7	18 2 9	28°58'54	13°39	1♋29	3°22	4°29	23°24	9°R18	22°12	7°10	22° 4	10°39	9°44	20°16	n.a.	S 7
S 8	18 6 6	29°56'39	26°38	3°27	4°35	5° 3	23°22	9°18	22°15	7°10	22° 3	10°36	9°41	20°22	n.a.	S 8
M 9	18 10 3	0♋54'26	9♓52	5°24	5°48	5°38	23°20	9°18	22°19	7°10	22° 1	10°34	9°38	20°29	n.a.	M 9
T 10	18 13 59	1°52'15	23°23	7°20	7° 1	6°12	23°18	9°18	22°23	7°10	22° 0	10°33	9°35	20°36	n.a.	T 10
W11	18 17 56	2°50'05	7♈10	9°14	8°14	6°46	23°15	9°17	22°26	7°11	21°59	10°D33	9°32	20°42	n.a.	W11
T 12	18 21 52	3°47'58	21°15	11° 7	9°27	7°20	23°13	9°17	22°30	7°11	21°58	10°34	9°28	20°49	n.a.	T 12
F 13	18 25 49	4°45'53	5♉36	12°59	10°40	7°53	23°10	9°16	22°34	7°11	21°57	10°35	9°25	20°56	n.a.	F 13
S 14	18 29 45	5°43'50	20°10	14°49	11°53	8°26	23° 7	9°15	22°37	7°11	21°55	10°36	9°22	21° 2	n.a.	S 14
S 15	18 33 42	6°41'49	4♊53	16°38	13° 6	8°59	23° 3	9°15	22°41	7°12	21°54	10°R37	9°19	21° 9	n.a.	S 15
M16	18 37 38	7°39'50	19°40	18°26	14°20	9°32	23° 0	9°14	22°45	7°12	21°53	10°37	9°16	21°16	n.a.	M16
T 17	18 41 35	8°37'53	4♋24	20°13	15°33	10° 4	22°56	9°13	22°48	7°13	21°52	10°36	9°13	21°22	n.a.	T 17
W18	18 45 32	9°35'58	18°57	21°58	16°46	10°37	22°52	9°11	22°52	7°13	21°51	10°33	9° 9	21°29	n.a.	W18
T 19	18 49 28	10°34'04	3♌14	23°42	18° 0	11° 9	22°48	9°10	22°56	7°14	21°49	10°29	9° 6	21°36	n.a.	T 19
F 20	18 53 25	11°32'12	17° 9	25°24	19°13	11°40	22°44	9° 9	22°59	7°14	21°48	10°24	9° 3	21°42	n.a.	F 20
S 21	18 57 21	12°30'22	0♍40	27° 6	20°27	12°12	22°40	9° 7	23° 3	7°15	21°47	10°19	9° 0	21°49	n.a.	S 21
S 22	19 1 18	13°28'34	13°45	28°46	21°40	12°43	22°35	9° 6	23° 6	7°15	21°46	10°15	8°57	21°56	n.a.	S 22
M23	19 5 14	14°26'47	26°28	0♌25	22°54	13°14	22°31	9° 4	23°10	7°16	21°44	10°12	8°53	22° 2	n.a.	M23
T 24	19 9 11	15°25'01	8♎50	2° 2	24° 8	13°44	22°26	9° 2	23°13	7°16	21°43	10°11	8°50	22° 9	n.a.	T 24
W25	19 13 7	16°23'18	20°56	3°39	25°21	14°14	22°21	9° 0	23°17	7°17	21°42	10°D11	8°47	22°15	n.a.	W25
T 26	19 17 4	17°21'36	2♏52	5°14	26°35	14°44	22°15	8°58	23°20	7°18	21°41	10°12	8°44	22°22	n.a.	T 26
F 27	19 21 0	18°19'56	14°41	6°48	27°49	15°14	22°10	8°56	23°24	7°18	21°39	10°13	8°41	22°29	n.a.	F 27
S 28	19 24 57	19°18'18	26°30	8°21	29° 3	15°43	22° 5	8°54	23°27	7°19	21°38	10°15	8°38	22°35	n.a.	S 28
S 29	19 28 54	20°16'41	8♐22	9°53	0♋17	16°13	21°59	8°52	23°31	7°20	21°37	10°R16	8°34	22°42	n.a.	S 29
M30	19 32 50	21°15'07	20°21	11°23	1°31	16°41	21°53	8°50	23°34	7°21	21°36	10°15	8°31	22°49	n.a.	M30
T 31	19 36 47	22♋13'34	2♑32	12♌53	2♋45	17♈10	21♒47	8♓47	23♊38	7♎22	21♑34	10♐13	8♐28	22♏55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23n43	21s30	0s59	24n56	1n30	18n53	0s47	1s34	2s 8	15s26	1s36	10s35	2s33	23n58	0n20	0s58	2n 6	35s31	13s42	22s29	22s22	19s42		n.a.	S 1
M 2	23 45	22 32	0n 6	25 10	1 34	19 12	0 44	1 19	2 8	15 27	1 37	10 36	2 33	23 58	0 20	0 58	2 6	35 31	13 42	22 29	22 22	19 43		n.a.	M 2
T 3	23 48	22 33	1 12	25 22	1 38	19 32	0 42	1 5	2 8	15 28	1 37	10 36	2 34	23 58	0 20	0 58	2 6	35 32	13 42	22 29	22 21	19 44		n.a.	T 3
W 4	23 50	21 29	2 15	25 30	1 42	19 50	0 39	0 51	2 8	15 28	1 37	10 36	2 34	23 58	0 20	0 58	2 6	35 32	13 43	22 29	22 21	19 45		n.a.	W 4
T 5	23 51	19 24	3 13	25 36	1 45	20 8	0 36	0 37	2 8	15 29	1 38	10 36	2 34	23 59	0 20	0 58	2 6	35 32	13 43	22 28	22 21	19 46		n.a.	T 5
F 6	23 52	16 23	4 3	25 40	1 46	20 26	0 34	0 22	2 8	15 30	1 38	10 36	2 34	23 59	0 20	0 59	2 6	35 33	13 43	22 28	22 20	19 47		n.a.	F 6
S 7	23 53	12 33	4 41	25 40	1 48	20 43	0 31	0 8	2 8	15 31	1 38	10 36	2 35	23 59	0 20	0 59	2 6	35 33	13 43	22 28	22 20	19 48		n.a.	S 7
S 8	23 53	8 5	5 6	25 39	1 48	21 0	0 28	0n 5	2 8	15 32	1 39	10 37	2 35	23 59	0 20	0 59	2 6	35 33	13 43	22 27	22 19	19 49		n.a.	S 8
M 9	23 53	3 9	5 15	25 35	1 49	21 16	0 25	0 19	2 8	15 33	1 39	10 37	2 35	24 0	0 20	0 59	2 6	35 34	13 43	22 27	22 19	19 50		n.a.	M 9
T 10	23 52	2n 1	5 8	25 29	1 48	21 31	0 23	0 33	2 8	15 34	1 39	10 38	2 36	24 0	0 20	0 59	2 5	35 34	13 44	22 27	22 18	19 51		n.a.	T 10
W11	23 51	7 12	4 42	25 20	1 47	21 46	0 20	0 47	2 8	15 35	1 40	10 38	2 36	24 0	0 20	0 59	2 5	35 34	13 44	22 27	22 18	19 52		n.a.	W11
T 12	23 50	12 7	3 59	25 10	1 45	22 0	0 17	1 0	2 8	15 36	1 40	10 38	2 36	24 0	0 20	0 59	2 5	35 35	13 44	22 27	22 17	19 53		n.a.	T 12
F 13	23 48	16 28	3 1	24 57	1 43	22 14	0 14	1 14	2 8	15 37	1 40	10 39	2 37	24 0	0 20	1 0	2 5	35 35	13 44	22 27	22 17	19 54		n.a.	F 13
S 14	23 46	19 53	1 50	24 43	1 41	22 26	0 12	1 27	2 8	15 39	1 41	10 40	2 37	24 1	0 20	1 0	2 5	35 36	13 44	22 27	22 16	19 55		n.a.	S 14
S 15	23 43	22 2	0 32	24 27	1 38	22 39	0 9	1 40	2 8	15 40	1 41	10 40	2 37	24 1	0 20	1 0	2 5	35 36	13 44	22 27	22 16	19 56		n.a.	S 15
M16	23 40	22 39	0s50	24 9	1 34	22 51	0 6	1 53	2 8	15 42	1 41	10 41	2 37	24 1	0 20	1 0	2 5	35 36	13 44	22 27	22 15	19 57		n.a.	M16
T 17	23 36	21 42	2 7	23 49	1 30	23 2	0 4	2 6	2 8	15 43	1 42	10 41	2 38	24 1	0 20	1 0	2 5	35 37	13 45	22 27	22 15	19 58		n.a.	T 17
W18	23 32	19 18	3 15	23 28	1 26	23 12	0 1	2 19	2 8	15 45	1 42	10 42	2 38	24 2	0 20	1 1	2 5	35 37	13 45	22 27	22 14	19 59		n.a.	W18
T 19	23 27	15 45	4 9	23 6	1 21	23 22	0n 2	2 32	2 8	15 46	1 42	10 43	2 38	24 2	0 20	1 1	2 5	35 37	13 45	22 26	22 14	20 0		n.a.	T 19
F 20	23 22	11 25	4 47	22 42	1 17	23 31	0 4	2 45	2 8	15 48	1 42	10 44	2 39	24 2	0 20	1 1	2 5	35 38	13 45	22 25	22 13	20 1		n.a.	F 20
S 21	23 17	6 39	5 8	22 18	1 11	23 39	0 7	2 57	2 8	15 50	1 43	10 45	2 39	24 2	0 20	1 1	2 5	35 38	13 45	22 25	22 13	20 2		n.a.	S 21
S 22	23 11	1 43	5 12	21 52	1 6	23 47	0 10	3 10	2 8	15 52	1 43	10 45	2 39	24 2	0 20	1 2	2 5	35 38	13 45	22 24	22 12	20 3		n.a.	S 22
M23	23 5	3s 9	5 0	21 25	1 0	23 54	0 12	3 22	2 7	15 54	1 43	10 46	2 39	24 3	0 20	1 2	2 5	35 38	13 45	22 24	22 12	20 4		n.a.	M23
T 24	22 59	7 45	4 35	20 57	0 54	24 0	0 15	3 34	2 7	15 55	1 44	10 47	2 40	24 3	0 20	1 2	2 4	35 39	13 45	22 24	22 11	20 5		n.a.	T 24
W25	22 52	11 58	3 57	20 28	0 48	24 6	0 17	3 46	2 7	15 57	1 44	10 48	2 40	24 3	0 20	1 3	2 4	35 39	13 45	22 23	22 11	20 5		n.a.	W25
T 26	22 44	15 39	3 10	19 59	0 41	24 10	0 20	3 58	2 7	15 59	1 44	10 49	2 40	24 3	0 20	1 3	2 4	35 39	13 45	22 24	22 10	20 6		n.a.	T 26
F 27	22 36	18 41	2 15	19 28	0 34	24 15	0 22	4 10	2 7	16 1	1 44	10 50	2 41	24 3	0 20	1 3	2 4	35 40	13 45	22 24	22 10	20 7		n.a.	F 27
S 28	22 28	20 56	1 14	18 57	0 27	24 18	0 25	4 22	2 7	16 3	1 45	10 51	2 41	24 4	0 20	1 4	2 4	35 40	13 45	22 24	22 9	20 8		n.a.	S 28
S 29	22 19	22 17	0 10	18 26	0 20	24 21	0 27	4 33	2 6	16 6	1 45	10 53	2 41	24 4	0 20	1 4	2 4	35 40	13 45	22 24	22 9	20 9		n.a.	S 29
M30	22 10	22 37	0n55	17 53	0 13	24 22	0 30	4 45	2 6	16 8	1 45	10 54	2 41	24 4	0 20	1 5	2 4	35 40	13 46	22 24	22 8	20 10		n.a.	M30
T 31	22n 1	21s54	1n58	17n21	0n 5	24n24	0n32	4n56	2s 6	16s10	1s45	10s55	2s42	24n 4	0n20	1s 5	2n 4	35s41	13s46	22s24	22s 8	20s11		n.a.	T 31

Julian Day Number = 1116750.5, Delta T = 10h46m29s
Ecliptic obliquity = 23°53'12, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'37, Lahiri = -26°47'37 Julian Calendar 1 July 1656 BCE == Greg. Calendar 17 June 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

AUGUST 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 40 43	23♋12'03	14♉55	14♌21	3♋59	17♈38	21°R41	8°R45	23♊41	7♎23	21°R33	10°R 8	8♐25	23♏ 2	n.a.	W 1
T 2	19 44 40	24°10'35	27°32	15°48	5°13	18° 6	21♒35	8♓42	23°44	7°24	21♉32	10♐ 2	8°22	23° 9	n.a.	T 2
F 3	19 48 36	25° 9'08	10♒23	17°14	6°27	18°33	21°28	8°39	23°48	7°25	21°31	9°55	8°19	23°15	n.a.	F 3
S 4	19 52 33	26° 7'43	23°29	18°38	7°41	19° 0	21°22	8°36	23°51	7°25	21°29	9°47	8°15	23°22	n.a.	S 4
S 5	19 56 29	27° 6'21	6♓48	20° 1	8°55	19°27	21°15	8°33	23°54	7°26	21°28	9°39	8°12	23°29	n.a.	S 5
M 6	20 0 26	28° 5'01	20°19	21°23	10°10	19°53	21° 8	8°30	23°57	7°28	21°27	9°33	8° 9	23°35	n.a.	M 6
T 7	20 4 23	29° 3'43	4♈ 0	22°44	11°24	20°19	21° 1	8°27	24° 1	7°29	21°26	9°28	8° 6	23°42	n.a.	T 7
W 8	20 8 19	0♌ 2'28	17°52	24° 3	12°38	20°45	20°54	8°24	24° 4	7°30	21°24	9°25	8° 3	23°49	n.a.	W 8
T 9	20 12 16	1° 1'15	1♉51	25°21	13°53	21°10	20°47	8°21	24° 7	7°31	21°23	9°D24	7°59	23°55	n.a.	T 9
F 10	20 16 12	2° 0'05	15°59	26°37	15° 7	21°35	20°40	8°17	24°10	7°32	21°22	9°25	7°56	24° 2	n.a.	F 10
S 11	20 20 9	2°58'57	0♊14	27°52	16°22	21°59	20°33	8°14	24°13	7°33	21°21	9°26	7°53	24° 9	n.a.	S 11
S 12	20 24 5	3°57'52	14°34	29° 5	17°36	22°23	20°25	8°11	24°16	7°34	21°19	9°R26	7°50	24°15	n.a.	S 12
M13	20 28 2	4°56'49	28°56	0♍17	18°51	22°46	20°18	8° 7	24°20	7°36	21°18	9°25	7°47	24°22	n.a.	M13
T 14	20 31 58	5°55'49	13♋16	1°26	20° 5	23°10	20°10	8° 3	24°23	7°37	21°17	9°21	7°44	24°29	n.a.	T 14
W15	20 35 55	6°54'51	27°29	2°34	21°20	23°32	20° 3	8° 0	24°26	7°38	21°16	9°14	7°40	24°35	n.a.	W15
T 16	20 39 51	7°53'55	11♌30	3°40	22°35	23°54	19°55	7°56	24°29	7°40	21°15	9° 5	7°37	24°42	n.a.	T 16
F 17	20 43 48	8°53'01	25°15	4°43	23°49	24°16	19°47	7°52	24°31	7°41	21°13	8°55	7°34	24°48	n.a.	F 17
S 18	20 47 45	9°52'09	8♍40	5°44	25° 4	24°37	19°39	7°48	24°34	7°42	21°12	8°45	7°31	24°55	n.a.	S 18
S 19	20 51 41	10°51'19	21°43	6°42	26°19	24°58	19°32	7°44	24°37	7°44	21°11	8°35	7°28	25° 2	n.a.	S 19
M20	20 55 38	11°50'32	4♎25	7°38	27°34	25°18	19°24	7°40	24°40	7°45	21°10	8°27	7°25	25° 8	n.a.	M20
T 21	20 59 34	12°49'46	16°47	8°31	28°49	25°38	19°16	7°36	24°43	7°47	21° 9	8°22	7°21	25°15	n.a.	T 21
W22	21 3 31	13°49'02	28°54	9°20	0♌ 4	25°57	19° 8	7°31	24°46	7°48	21° 7	8°18	7°18	25°22	n.a.	W22
T 23	21 7 27	14°48'20	10♏49	10° 6	1°18	26°16	19° 0	7°27	24°48	7°50	21° 6	8°D17	7°15	25°28	n.a.	T 23
F 24	21 11 24	15°47'41	22°38	10°48	2°33	26°34	18°52	7°23	24°51	7°51	21° 5	8°17	7°12	25°35	n.a.	F 24
S 25	21 15 20	16°47'03	4♐27	11°25	3°48	26°51	18°43	7°19	24°54	7°53	21° 4	8°R18	7° 9	25°42	n.a.	S 25
S 26	21 19 17	17°46'27	16°20	11°58	5° 3	27° 8	18°35	7°14	24°56	7°54	21° 3	8°17	7° 5	25°48	n.a.	S 26
M27	21 23 13	18°45'53	28°24	12°26	6°18	27°25	18°27	7°10	24°59	7°56	21° 2	8°16	7° 2	25°55	n.a.	M27
T 28	21 27 10	19°45'21	10♑41	12°48	7°33	27°41	18°19	7° 5	25° 1	7°57	21° 1	8°11	6°59	26° 2	n.a.	T 28
W29	21 31 7	20°44'51	23°15	13° 5	8°49	27°56	18°11	7° 1	25° 4	7°59	21° 0	8° 4	6°56	26° 8	n.a.	W29
T 30	21 35 3	21°44'23	6♒ 9	13°15	10° 4	28°11	18° 3	6°56	25° 6	8° 1	20°59	7°55	6°53	26°15	n.a.	T 30
F 31	21 39 0	22♌43'58	19♒21	13°R18	11♌19	28♈25	17♒55	6♓51	25♊ 9	8♎ 3	20♑58	7♐43	6♐50	26♏22	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	21n51	20s 7	2n57	16n48	0s 2	24n24	0n34	5n 7	2s 6	16s12	1s46	10s56	2s42	24n 4	0n20	1s 5	2n 4	35s41	13s46	22s23	22s 7	20s12			n.a.
T 2	21 41	17 19	3 48	16 14	0 10	24 24	0 37	5 18	2 5	16 15	1 46	10 57	2 42	24 4	0 20	1 6	2 4	35 41	13 46	22 22	22 7	20 13			n.a.
F 3	21 30	13 40	4 28	15 41	0 18	24 23	0 39	5 29	2 5	16 17	1 46	10 59	2 42	24 5	0 20	1 6	2 4	35 41	13 46	22 21	22 6	20 14			n.a.
S 4	21 19	9 18	4 56	15 7	0 26	24 21	0 41	5 39	2 5	16 19	1 46	11 0	2 43	24 5	0 20	1 7	2 4	35 42	13 46	22 20	22 6	20 15			n.a.
S 5	21 8	4 26	5 7	14 33	0 34	24 18	0 43	5 50	2 4	16 22	1 47	11 1	2 43	24 5	0 20	1 7	2 4	35 42	13 46	22 19	22 5	20 15			n.a.
M 6	20 56	0n43	5 2	13 59	0 42	24 15	0 46	6 0	2 4	16 24	1 47	11 3	2 43	24 5	0 20	1 8	2 4	35 42	13 46	22 18	22 5	20 16			n.a.
T 7	20 44	5 54	4 40	13 24	0 50	24 11	0 48	6 11	2 4	16 26	1 47	11 4	2 43	24 5	0 20	1 8	2 4	35 42	13 46	22 17	22 4	20 17			n.a.
W 8	20 31	10 50	4 2	12 50	0 58	24 6	0 50	6 21	2 3	16 29	1 47	11 5	2 44	24 6	0 20	1 9	2 3	35 43	13 46	22 17	22 4	20 18			n.a.
T 9	20 18	15 16	3 8	12 16	1 7	24 0	0 52	6 31	2 3	16 31	1 47	11 7	2 44	24 6	0 21	1 9	2 3	35 43	13 46	22 17	22 3	20 19			n.a.
F 10	20 5	18 53	2 3	11 42	1 15	23 54	0 54	6 40	2 3	16 34	1 48	11 8	2 44	24 6	0 21	1 10	2 3	35 43	13 46	22 17	22 2	20 20			n.a.
S 11	19 51	21 23	0 49	11 8	1 23	23 47	0 56	6 50	2 2	16 37	1 48	11 10	2 44	24 6	0 21	1 10	2 3	35 43	13 46	22 17	22 2	20 21			n.a.
S 12	19 37	22 31	0s28	10 35	1 32	23 39	0 57	6 59	2 2	16 39	1 48	11 12	2 44	24 6	0 21	1 11	2 3	35 43	13 46	22 17	22 1	20 22			n.a.
M13	19 23	22 10	1 43	10 2	1 40	23 31	0 59	7 9	2 1	16 42	1 48	11 13	2 45	24 6	0 21	1 11	2 3	35 43	13 45	22 17	22 1	20 22			n.a.
T 14	19 8	20 23	2 51	9 29	1 48	23 21	1 1	7 18	2 1	16 44	1 48	11 15	2 45	24 6	0 21	1 12	2 3	35 44	13 45	22 16	22 0	20 23			n.a.
W15	18 53	17 20	3 48	8 57	1 56	23 11	1 3	7 27	2 1	16 47	1 48	11 16	2 45	24 7	0 21	1 12	2 3	35 44	13 45	22 15	22 0	20 24			n.a.
T 16	18 38	13 20	4 30	8 25	2 4	23 1	1 4	7 35	2 0	16 50	1 49	11 18	2 45	24 7	0 21	1 13	2 3	35 44	13 45	22 14	21 59	20 25			n.a.
F 17	18 22	8 42	4 56	7 55	2 12	22 49	1 6	7 44	2 0	16 52	1 49	11 20	2 45	24 7	0 21	1 14	2 3	35 44	13 45	22 12	21 59	20 26			n.a.
S 18	18 6	3 47	5 4	7 25	2 20	22 37	1 8	7 52	1 59	16 55	1 49	11 21	2 46	24 7	0 21	1 14	2 3	35 44	13 45	22 10	21 58	20 27			n.a.
S 19	17 50	1s11	4 56	6 56	2 28	22 25	1 9	8 0	1 58	16 57	1 49	11 23	2 46	24 7	0 21	1 15	2 3	35 44	13 45	22 9	21 58	20 27			n.a.
M20	17 33	5 58	4 34	6 28	2 35	22 11	1 10	8 8	1 58	17 0	1 49	11 25	2 46	24 7	0 21	1 15	2 3	35 44	13 45	22 8	21 57	20 28			n.a.
T 21	17 17	10 23	3 59	6 2	2 42	21 57	1 12	8 16	1 57	17 3	1 49	11 26	2 46	24 7	0 21	1 16	2 3	35 45	13 45	22 7	21 57	20 29			n.a.
W22	16 59	14 18	3 14	5 37	2 49	21 42	1 13	8 24	1 57	17 5	1 49	11 28	2 46	24 8	0 21	1 17	2 3	35 45	13 45	22 6	21 56	20 30			n.a.
T 23	16 42	17 35	2 21	5 13	2 56	21 27	1 14	8 31	1 56	17 8	1 49	11 30	2 47	24 8	0 21	1 17	2 3	35 45	13 45	22 6	21 56	20 31			n.a.
F 24	16 24	20 6	1 23	4 51	3 2	21 11	1 16	8 39	1 55	17 11	1 49	11 32	2 47	24 8	0 21	1 18	2 2	35 45	13 45	22 6	21 55	20 31			n.a.
S 25	16 6	21 46	0 21	4 32	3 8	20 54	1 17	8 46	1 55	17 13	1 49	11 34	2 47	24 8	0 21	1 19	2 2	35 45	13 45	22 6	21 55	20 32			n.a.
S 26	15 47	22 28	0n43	4 14	3 13	20 37	1 18	8 53	1 54	17 16	1 49	11 35	2 47	24 8	0 21	1 19	2 2	35 45	13 44	22 6	21 54	20 33			n.a.
M27	15 29	22 8	1 45	3 59	3 18	20 19	1 19	8 59	1 53	17 19	1 49	11 37	2 47	24 8	0 21	1 20	2 2	35 45	13 44	22 6	21 53	20 34			n.a.
T 28	15 10	20 44	2 43	3 47	3 22	20 0	1 20	9 6	1 52	17 21	1 49	11 39	2 47	24 8	0 21	1 21	2 2	35 45	13 44	22 5	21 53	20 34			n.a.
W29	14 51	18 19	3 35	3 37	3 25	19 41	1 21	9 12	1 52	17 24	1 49	11 41	2 47	24 9	0 21	1 22	2 2	35 45	13 44	22 4	21 52	20 35			n.a.
T 30	14 31	14 57	4 17	3 32	3 27	19 21	1 21	9 18	1 51	17 26	1 49	11 43	2 47	24 9	0 21	1 22	2 2	35 45	13 44	22 2	21 52	20 36			n.a.
F 31	14n12	10s46	4n46	3n29	3s28	19n 1	1n22	9n24	1s50	17s29	1s49	11s45	2s48	24n 9	0n21	1s23	2n 2	35s45	13s44	22s 0	21s51	20s37			n.a.

Julian Day Number = 1116781.5, Delta T = 10h46m27s
Ecliptic obliquity = 23°53'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'33, Lahiri = -26°47'33 Julian Calendar 1 Aug. 1656 BCE == Greg. Calendar 18 July 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

SEPTEMBER 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 42 56	23♌43'34	2♓51	13°R13	12♌34	28♈38	17°R47	6°R47	25♊11	8♎ 4	20°R57	7°R31	6♐46	26♏28	n.a.	S 1
S 2	21 46 53	24°43'12	16°36	13♍ 1	13°49	28°51	17♒39	6♓42	25°13	8° 6	20♑56	7♐19	6°43	26°35	n.a.	S 2
M 3	21 50 49	25°42'53	0♈32	12°40	15° 4	29° 3	17°31	6°37	25°16	8° 8	20°55	7° 9	6°40	26°41	n.a.	M 3
T 4	21 54 46	26°42'36	14°35	12°11	16°20	29°14	17°23	6°33	25°18	8°10	20°54	7° 1	6°37	26°48	n.a.	T 4
W 5	21 58 42	27°42'22	28°42	11°34	17°35	29°25	17°15	6°28	25°20	8°11	20°53	6°56	6°34	26°55	n.a.	W 5
T 6	22 2 39	28°42'10	12♉49	10°48	18°50	29°35	17° 8	6°23	25°22	8°13	20°52	6°53	6°30	27° 1	n.a.	T 6
F 7	22 6 35	29°42'00	26°56	9°53	20° 6	29°45	17° 0	6°18	25°24	8°15	20°51	6°52	6°27	27° 8	n.a.	F 7
S 8	22 10 32	0♍41'53	11♊ 1	8°52	21°21	29°53	16°52	6°13	25°26	8°17	20°50	6°52	6°24	27°15	n.a.	S 8
S 9	22 14 29	1°41'49	25° 3	7°45	22°36	0♉ 1	16°45	6° 8	25°28	8°19	20°49	6°52	6°21	27°21	n.a.	S 9
M10	22 18 25	2°41'47	9♋ 2	6°32	23°52	0° 8	16°37	6° 4	25°30	8°21	20°48	6°49	6°18	27°28	n.a.	M10
T 11	22 22 22	3°41'47	22°56	5°18	25° 7	0°15	16°30	5°59	25°32	8°23	20°47	6°43	6°15	27°35	n.a.	T 11
W12	22 26 18	4°41'49	6♌43	4° 2	26°23	0°20	16°23	5°54	25°34	8°25	20°46	6°35	6°11	27°41	n.a.	W12
T 13	22 30 15	5°41'53	20°20	2°48	27°38	0°25	16°15	5°49	25°36	8°27	20°45	6°24	6° 8	27°48	n.a.	T 13
F 14	22 34 11	6°42'00	3♍45	1°37	28°53	0°29	16° 8	5°44	25°38	8°28	20°45	6°11	6° 5	27°55	n.a.	F 14
S 15	22 38 8	7°42'09	16°54	0°33	0♍ 9	0°32	16° 1	5°39	25°40	8°30	20°44	5°57	6° 2	28° 1	n.a.	S 15
S 16	22 42 4	8°42'19	29°47	29♌36	1°24	0°34	15°54	5°34	25°41	8°32	20°43	5°44	5°59	28° 8	n.a.	S 16
M17	22 46 1	9°42'32	12♎22	28°49	2°40	0°36	15°48	5°29	25°43	8°35	20°42	5°33	5°56	28°15	n.a.	M17
T 18	22 49 57	10°42'46	24°40	28°13	3°55	0°R37	15°41	5°25	25°44	8°37	20°42	5°25	5°52	28°21	n.a.	T 18
W19	22 53 54	11°43'02	6♏45	27°48	5°11	0°37	15°34	5°20	25°46	8°39	20°41	5°19	5°49	28°28	n.a.	W19
T 20	22 57 51	12°43'20	18°39	27°34	6°27	0°36	15°28	5°15	25°47	8°41	20°40	5°16	5°46	28°34	n.a.	T 20
F 21	23 1 47	13°43'39	0♐27	27°D32	7°42	0°34	15°22	5°10	25°49	8°43	20°39	5°16	5°43	28°41	n.a.	F 21
S 22	23 5 44	14°44'00	12°14	27°41	8°58	0°31	15°16	5° 5	25°50	8°45	20°39	5°16	5°40	28°48	n.a.	S 22
S 23	23 9 40	15°44'23	24° 7	28° 1	10°13	0°27	15°10	5° 1	25°51	8°47	20°38	5°15	5°36	28°54	n.a.	S 23
M24	23 13 37	16°44'48	6♑10	28°30	11°29	0°23	15° 4	4°56	25°53	8°49	20°38	5°14	5°33	29° 1	n.a.	M24
T 25	23 17 33	17°45'14	18°29	29° 9	12°44	0°18	14°58	4°51	25°54	8°51	20°37	5°10	5°30	29° 8	n.a.	T 25
W26	23 21 30	18°45'41	1♒ 8	29°55	14° 0	0°11	14°53	4°46	25°55	8°53	20°36	5° 4	5°27	29°14	n.a.	W26
T 27	23 25 26	19°46'10	14°10	0♍49	15°16	0° 4	14°48	4°42	25°56	8°56	20°36	4°55	5°24	29°21	n.a.	T 27
F 28	23 29 23	20°46'41	27°36	1°49	16°31	29♈56	14°42	4°37	25°57	8°58	20°35	4°44	5°21	29°28	n.a.	F 28
S 29	23 33 20	21°47'13	11♓25	2°54	17°47	29°48	14°37	4°33	25°58	9° 0	20°35	4°32	5°17	29°34	n.a.	S 29
S 30	23 37 16	22♍47'47	25♓34	4♍ 4	19♍ 2	29♈38	14♒33	4♓28	25♊59	9♎ 2	20♑34	4♐20	5♐14	29♏41	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n52	5s59	5n 0	3n31	3s28	18n40	1n23	9n30	1s49	17s31	1s49	11s46	2s48	24n 9	0n21	1s24	2n 2	35s45	13s44	21s58	21s51	20s37		n.a.
S 2	13 32	0 50	4 57	3 37	3 27	18 19	1 23	9 35	1 48	17 34	1 49	11 48	2 48	24 9	0 21	1 24	2 2	35 45	13 43	21 56	21 50	20 38		n.a.
M 3	13 11	4n26	4 37	3 47	3 24	17 57	1 24	9 40	1 47	17 36	1 49	11 50	2 48	24 9	0 21	1 25	2 2	35 45	13 43	21 55	21 50	20 39		n.a.
T 4	12 50	9 31	3 59	4 3	3 20	17 35	1 24	9 45	1 46	17 39	1 49	11 52	2 48	24 9	0 21	1 26	2 2	35 45	13 43	21 53	21 49	20 40		n.a.
W 5	12 30	14 7	3 7	4 23	3 14	17 12	1 25	9 50	1 46	17 41	1 49	11 54	2 48	24 9	0 21	1 27	2 2	35 45	13 43	21 52	21 49	20 40		n.a.
T 6	12 9	17 56	2 4	4 48	3 6	16 48	1 25	9 54	1 45	17 43	1 49	11 56	2 48	24 9	0 21	1 28	2 2	35 45	13 43	21 52	21 48	20 41		n.a.
F 7	11 47	20 41	0 52	5 18	2 56	16 24	1 25	9 59	1 43	17 46	1 49	11 58	2 48	24 10	0 21	1 28	2 2	35 45	13 43	21 52	21 47	20 42		n.a.
S 8	11 26	22 9	0s22	5 52	2 44	16 0	1 26	10 3	1 42	17 48	1 49	12 0	2 48	24 10	0 21	1 29	2 2	35 45	13 42	21 52	21 47	20 43		n.a.
S 9	11 4	22 13	1 35	6 31	2 30	15 35	1 26	10 7	1 41	17 50	1 49	12 2	2 48	24 10	0 21	1 30	2 2	35 45	13 42	21 52	21 46	20 43		n.a.
M10	10 42	20 54	2 41	7 12	2 14	15 10	1 26	10 10	1 40	17 53	1 49	12 3	2 48	24 10	0 21	1 31	2 2	35 45	13 42	21 51	21 46	20 44		n.a.
T 11	10 20	18 19	3 38	7 56	1 57	14 44	1 26	10 14	1 39	17 55	1 49	12 5	2 48	24 10	0 21	1 31	2 2	35 45	13 42	21 50	21 45	20 45		n.a.
W12	9 58	14 44	4 21	8 42	1 38	14 18	1 26	10 17	1 38	17 57	1 49	12 7	2 48	24 10	0 21	1 32	2 2	35 45	13 42	21 49	21 45	20 45		n.a.
T 13	9 36	10 25	4 49	9 27	1 18	13 52	1 26	10 20	1 37	17 59	1 49	12 9	2 48	24 10	0 21	1 33	2 2	35 45	13 41	21 47	21 44	20 46		n.a.
F 14	9 13	5 40	5 0	10 12	0 58	13 25	1 26	10 22	1 35	18 1	1 49	12 11	2 49	24 10	0 21	1 34	2 2	35 45	13 41	21 45	21 44	20 47		n.a.
S 15	8 50	0 45	4 55	10 54	0 37	12 57	1 25	10 24	1 34	18 3	1 49	12 13	2 49	24 10	0 21	1 35	2 1	35 45	13 41	21 42	21 43	20 47		n.a.
S 16	8 27	4s 6	4 35	11 33	0 17	12 30	1 25	10 27	1 33	18 5	1 48	12 15	2 49	24 10	0 21	1 36	2 1	35 45	13 41	21 40	21 42	20 48		n.a.
M17	8 4	8 40	4 1	12 8	0n 3	12 2	1 25	10 28	1 31	18 7	1 48	12 16	2 49	24 10	0 21	1 36	2 1	35 45	13 41	21 38	21 42	20 49		n.a.
T 18	7 41	12 47	3 17	12 39	0 21	11 33	1 24	10 30	1 30	18 9	1 48	12 18	2 49	24 10	0 22	1 37	2 1	35 45	13 40	21 36	21 41	20 49		n.a.
W19	7 18	16 18	2 25	13 4	0 39	11 5	1 24	10 31	1 28	18 11	1 48	12 20	2 49	24 11	0 22	1 38	2 1	35 45	13 40	21 35	21 41	20 50		n.a.
T 20	6 54	19 5	1 27	13 24	0 55	10 36	1 23	10 32	1 27	18 13	1 48	12 22	2 49	24 11	0 22	1 39	2 1	35 45	13 40	21 35	21 40	20 51		n.a.
F 21	6 31	21 2	0 26	13 38	1 9	10 7	1 23	10 33	1 25	18 14	1 48	12 24	2 48	24 11	0 22	1 40	2 1	35 45	13 40	21 35	21 40	20 51		n.a.
S 22	6 7	22 4	0n37	13 47	1 22	9 37	1 22	10 34	1 24	18 16	1 48	12 25	2 48	24 11	0 22	1 41	2 1	35 44	13 39	21 35	21 39	20 52		n.a.
S 23	5 43	22 7	1 38	13 50	1 33	9 7	1 21	10 34	1 22	18 18	1 47	12 27	2 48	24 11	0 22	1 42	2 1	35 44	13 39	21 35	21 38	20 53		n.a.
M24	5 20	21 8	2 36	13 49	1 43	8 37	1 20	10 34	1 20	18 19	1 47	12 29	2 48	24 11	0 22	1 42	2 1	35 44	13 39	21 34	21 38	20 53		n.a.
T 25	4 56	19 9	3 28	13 43	1 51	8 7	1 19	10 34	1 19	18 21	1 47	12 31	2 48	24 11	0 22	1 43	2 1	35 44	13 39	21 34	21 37	20 54		n.a.
W26	4 32	16 12	4 11	13 32	1 57	7 37	1 19	10 33	1 17	18 22	1 47	12 32	2 48	24 11	0 22	1 44	2 1	35 44	13 38	21 33	21 37	20 54		n.a.
T 27	4 7	12 23	4 43	13 18	2 3	7 6	1 18	10 32	1 15	18 24	1 47	12 34	2 48	24 11	0 22	1 45	2 1	35 44	13 38	21 31	21 36	20 55		n.a.
F 28	3 43	7 51	5 0	12 59	2 7	6 35	1 17	10 31	1 13	18 25	1 46	12 36	2 48	24 11	0 22	1 46	2 1	35 44	13 38	21 29	21 36	20 56		n.a.
S 29	3 19	2 48	5 0	12 38	2 9	6 4	1 15	10 30	1 11	18 26	1 46	12 37	2 48	24 11	0 22	1 47	2 1	35 43	13 38	21 27	21 35	20 56		n.a.
S 30	2n55	2n30	4n42	12n14	2n11	5n33	1n14	10n28	1s 9	18s28	1s46	12s39	2s48	24n11	0n22	1s48	2n 1	35s43	13s37	21s24	21s34	20s57		n.a.

Julian Day Number = 1116812.5, Delta T = 10h46m25s
Ecliptic obliquity = 23°53'12, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'29, Lahiri = -26°47'29 Julian Calendar 1 Sept. 1656 BCE == Greg. Calendar 18 Aug. 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

OCTOBER 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 41 13	23♍48'23	9♈57	5♍19	20♍18	29°R28	14°R28	4°R24	26♊ 0	9♎ 4	20°R34	4°R10	5♐11	29♏48	n.a.	M 1
T 2	23 45 9	24°49'00	24°28	6°37	21°34	29♈16	14♒24	4♓19	26° 1	9° 6	20♑33	4♐ 2	5° 8	29°54	n.a.	T 2
W 3	23 49 6	25°49'39	9♉ 0	7°57	22°49	29° 4	14°19	4°15	26° 2	9° 9	20°33	3°57	5° 5	0♐ 1	n.a.	W 3
T 4	23 53 2	26°50'20	23°27	9°21	24° 5	28°51	14°15	4°11	26° 2	9°11	20°33	3°55	5° 2	0° 8	n.a.	T 4
F 5	23 56 59	27°51'03	7♊47	10°46	25°20	28°37	14°11	4° 6	26° 3	9°13	20°32	3°D55	4°58	0°14	n.a.	F 5
S 6	0 0 55	28°51'48	21°56	12°14	26°36	28°23	14° 8	4° 2	26° 4	9°15	20°32	3°55	4°55	0°21	n.a.	S 6
S 7	0 4 52	29°52'35	5♋53	13°42	27°52	28° 7	14° 4	3°58	26° 4	9°18	20°32	3°R55	4°52	0°27	n.a.	S 7
M 8	0 8 49	0♌53'23	19°40	15°12	29° 7	27°51	14° 1	3°54	26° 5	9°20	20°31	3°54	4°49	0°34	n.a.	M 8
T 9	0 12 45	1°54'14	3♌15	16°43	0♌23	27°34	13°58	3°50	26° 5	9°22	20°31	3°50	4°46	0°41	n.a.	T 9
W10	0 16 42	2°55'06	16°39	18°15	1°39	27°17	13°55	3°46	26° 5	9°24	20°31	3°43	4°42	0°47	n.a.	W10
T 11	0 20 38	3°55'59	29°52	19°47	2°54	26°58	13°52	3°42	26° 6	9°26	20°31	3°34	4°39	0°54	n.a.	T 11
F 12	0 24 35	4°56'54	12♍52	21°20	4°10	26°39	13°49	3°38	26° 6	9°29	20°30	3°23	4°36	1° 1	n.a.	F 12
S 13	0 28 31	5°57'50	25°41	22°53	5°26	26°20	13°47	3°35	26° 6	9°31	20°30	3°12	4°33	1° 7	n.a.	S 13
S 14	0 32 28	6°58'48	8♎16	24°27	6°41	26° 0	13°45	3°31	26° 6	9°33	20°30	3° 1	4°30	1°14	n.a.	S 14
M15	0 36 24	7°59'47	20°39	26° 1	7°57	25°39	13°43	3°27	26° 7	9°36	20°30	2°52	4°27	1°21	n.a.	M15
T 16	0 40 21	9° 0'48	2♏49	27°35	9°13	25°18	13°41	3°24	26°R 7	9°38	20°30	2°46	4°23	1°27	n.a.	T 16
W17	0 44 17	10° 1'49	14°48	29° 9	10°28	24°56	13°40	3°20	26° 7	9°40	20°30	2°41	4°20	1°34	n.a.	W17
T 18	0 48 14	11° 2'51	26°39	0♎43	11°44	24°34	13°39	3°17	26° 6	9°42	20°30	2°39	4°17	1°41	n.a.	T 18
F 19	0 52 11	12° 3'55	8♐26	2°17	12°59	24°11	13°37	3°14	26° 6	9°45	20°D30	2°D39	4°14	1°47	n.a.	F 19
S 20	0 56 7	13° 4'59	20°12	3°51	14°15	23°49	13°37	3°11	26° 6	9°47	20°30	2°40	4°11	1°54	n.a.	S 20
S 21	1 0 4	14° 6'04	2♑ 3	5°25	15°31	23°26	13°36	3° 8	26° 6	9°49	20°30	2°42	4° 7	2° 0	n.a.	S 21
M22	1 4 0	15° 7'10	14° 4	6°59	16°46	23° 2	13°35	3° 5	26° 6	9°51	20°30	2°R42	4° 4	2° 7	n.a.	M22
T 23	1 7 57	16° 8'17	26°20	8°34	18° 2	22°39	13°35	3° 2	26° 5	9°54	20°30	2°42	4° 1	2°14	n.a.	T 23
W24	1 11 53	17° 9'24	8♒56	10° 8	19°18	22°15	13°D35	2°59	26° 5	9°56	20°30	2°39	3°58	2°20	n.a.	W24
T 25	1 15 50	18°10'32	21°57	11°42	20°33	21°52	13°35	2°56	26° 4	9°58	20°30	2°35	3°55	2°27	n.a.	T 25
F 26	1 19 47	19°11'41	5♓24	13°16	21°49	21°28	13°36	2°54	26° 4	10° 0	20°30	2°29	3°52	2°34	n.a.	F 26
S 27	1 23 43	20°12'50	19°19	14°50	23° 4	21° 5	13°36	2°51	26° 3	10° 3	20°31	2°22	3°48	2°40	n.a.	S 27
S 28	1 27 40	21°14'00	3♈40	16°24	24°20	20°41	13°37	2°49	26° 3	10° 5	20°31	2°15	3°45	2°47	n.a.	S 28
M29	1 31 36	22°15'10	18°20	17°58	25°35	20°18	13°38	2°47	26° 2	10° 7	20°31	2° 9	3°42	2°54	n.a.	M29
T 30	1 35 33	23°16'22	3♉14	19°33	26°51	19°54	13°39	2°44	26° 1	10° 9	20°31	2° 4	3°39	3° 0	n.a.	T 30
W31	1 39 29	24♎17'34	18♉11	21♎ 7	28♎ 6	19♈31	13♒41	2♓42	26♊ 0	10♎11	20♑32	2♐ 1	3♐36	3♐ 7	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	2n30	7n46	4n 6	11n47	2n12	5n 2	1n13	10n26	1s 7	18s29	1s46	12s41	2s48	24n11	0n22	1s49	2n 1	35s43	13s37	21s23	21s34	20s57			n.a.
T 2	2 6	12 39	3 13	11 17	2 12	4 30	1 12	10 24	1 5	18 30	1 46	12 42	2 48	24 11	0 22	1 50	2 1	35 43	13 37	21 21	21 33	20 58			n.a.
W 3	1 41	16 47	2 9	10 46	2 11	3 59	1 10	10 22	1 3	18 31	1 45	12 44	2 48	24 11	0 22	1 50	2 1	35 43	13 37	21 20	21 33	20 59			n.a.
T 4	1 17	19 53	0 55	10 12	2 9	3 27	1 9	10 19	1 1	18 32	1 45	12 45	2 48	24 12	0 22	1 51	2 1	35 42	13 36	21 20	21 32	20 59			n.a.
F 5	0 52	21 41	0s21	9 37	2 7	2 55	1 8	10 16	0 59	18 33	1 45	12 47	2 48	24 12	0 22	1 52	2 1	35 42	13 36	21 20	21 32	21 0			n.a.
S 6	0 28	22 4	1 35	9 0	2 4	2 23	1 6	10 13	0 57	18 34	1 45	12 48	2 47	24 12	0 22	1 53	2 1	35 42	13 36	21 20	21 31	21 0			n.a.
S 7	0 3	21 3	2 42	8 23	2 1	1 51	1 5	10 9	0 55	18 35	1 44	12 50	2 47	24 12	0 22	1 54	2 1	35 42	13 36	21 20	21 30	21 1			n.a.
M 8	0s22	18 48	3 39	7 44	1 57	1 19	1 3	10 6	0 52	18 35	1 44	12 51	2 47	24 12	0 22	1 55	2 1	35 42	13 35	21 19	21 30	21 1			n.a.
T 9	0 46	15 32	4 23	7 4	1 53	0 47	1 1	10 2	0 50	18 36	1 44	12 52	2 47	24 12	0 22	1 56	2 1	35 41	13 35	21 19	21 29	21 2			n.a.
W10	1 11	11 31	4 51	6 23	1 48	0 15	1 0	9 57	0 48	18 37	1 44	12 54	2 47	24 12	0 22	1 57	2 1	35 41	13 35	21 17	21 29	21 3			n.a.
T 11	1 35	7 0	5 4	5 42	1 44	0s17	0 58	9 53	0 45	18 37	1 43	12 55	2 47	24 12	0 22	1 58	2 1	35 41	13 34	21 16	21 28	21 3			n.a.
F 12	2 0	2 14	5 0	5 0	1 38	0 50	0 56	9 48	0 43	18 38	1 43	12 56	2 47	24 12	0 22	1 59	2 1	35 41	13 34	21 14	21 27	21 4			n.a.
S 13	2 25	2s33	4 42	4 18	1 33	1 22	0 54	9 43	0 40	18 38	1 43	12 57	2 46	24 12	0 22	1 59	2 1	35 40	13 34	21 11	21 27	21 4			n.a.
S 14	2 49	7 9	4 10	3 35	1 27	1 54	0 53	9 38	0 38	18 38	1 42	12 59	2 46	24 12	0 22	2 0	2 1	35 40	13 34	21 9	21 26	21 5			n.a.
M15	3 14	11 23	3 26	2 52	1 22	2 26	0 51	9 33	0 35	18 39	1 42	13 0	2 46	24 12	0 22	2 1	2 1	35 40	13 33	21 7	21 26	21 5			n.a.
T 16	3 38	15 4	2 33	2 8	1 16	2 58	0 49	9 27	0 33	18 39	1 42	13 1	2 46	24 12	0 22	2 2	2 1	35 40	13 33	21 6	21 25	21 6			n.a.
W17	4 3	18 5	1 35	1 24	1 9	3 30	0 47	9 22	0 30	18 39	1 42	13 2	2 46	24 12	0 22	2 3	2 1	35 39	13 33	21 5	21 24	21 6			n.a.
T 18	4 27	20 18	0 32	0 41	1 3	4 2	0 45	9 16	0 28	18 39	1 41	13 3	2 46	24 12	0 22	2 4	2 1	35 39	13 32	21 5	21 24	21 7			n.a.
F 19	4 51	21 36	0n31	0s 3	0 57	4 34	0 43	9 10	0 25	18 39	1 41	13 4	2 45	24 12	0 22	2 5	2 1	35 39	13 32	21 5	21 23	21 7			n.a.
S 20	5 16	21 58	1 34	0 47	0 50	5 6	0 41	9 4	0 22	18 39	1 41	13 5	2 45	24 12	0 22	2 6	2 1	35 38	13 32	21 5	21 23	21 8			n.a.
S 21	5 40	21 20	2 32	1 31	0 44	5 37	0 39	8 58	0 20	18 39	1 41	13 6	2 45	24 12	0 22	2 7	2 1	35 38	13 32	21 5	21 22	21 8			n.a.
M22	6 4	19 44	3 25	2 15	0 37	6 9	0 37	8 51	0 17	18 39	1 40	13 7	2 45	24 12	0 23	2 8	2 1	35 38	13 31	21 5	21 21	21 9			n.a.
T 23	6 28	17 11	4 10	2 59	0 31	6 40	0 34	8 45	0 14	18 39	1 40	13 8	2 45	24 12	0 23	2 9	2 1	35 38	13 31	21 5	21 21	21 9			n.a.
W24	6 52	13 48	4 44	3 43	0 24	7 11	0 32	8 38	0 12	18 39	1 40	13 9	2 44	24 12	0 23	2 9	2 1	35 37	13 31	21 5	21 20	21 10			n.a.
T 25	7 15	9 39	5 4	4 26	0 18	7 43	0 30	8 32	0 9	18 38	1 39	13 10	2 44	24 12	0 23	2 10	2 1	35 37	13 30	21 4	21 20	21 10			n.a.
F 26	7 39	4 55	5 9	5 10	0 11	8 13	0 28	8 25	0 6	18 38	1 39	13 10	2 44	24 12	0 23	2 11	2 1	35 37	13 30	21 3	21 19	21 11			n.a.
S 27	8 3	0n14	4 56	5 53	0 4	8 44	0 26	8 19	0 4	18 37	1 39	13 11	2 44	24 12	0 23	2 12	2 1	35 36	13 30	21 1	21 18	21 11			n.a.
S 28	8 26	5 31	4 25	6 36	0s 2	9 15	0 23	8 12	0 1	18 37	1 38	13 12	2 44	24 12	0 23	2 13	2 1	35 36	13 29	21 0	21 18	21 12			n.a.
M29	8 49	10 37	3 35	7 19	0 9	9 45	0 21	8 6	0n 1	18 36	1 38	13 12	2 43	24 12	0 23	2 14	2 1	35 36	13 29	20 59	21 17	21 12			n.a.
T 30	9 12	15 10	2 30	8 1	0 15	10 15	0 19	7 59	0 4	18 36	1 38	13 13	2 43	24 12	0 23	2 15	2 1	35 35	13 29	20 58	21 17	21 12			n.a.
W31	9s35	18n46	1n15	8s43	0s21	10s45	0n16	7n53	0n 7	18s35	1s38	13s14	2s43	24n12	0n23	2s16	2n 1	35s35	13s29	20s57	21s16	21s13			n.a.

Julian Day Number = 1116842.5, Delta T = 10h46m23s
Ecliptic obliquity = 23°53'13, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'25, Lahiri = -26°47'24 Julian Calendar 1 Oct. 1656 BCE == Greg. Calendar 17 Sept. 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

NOVEMBER 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 43 26	25♎18'46	3♊ 5	22♎41	29♎22	19°R 9	13♒42	2°R40	26°R 0	10♎14	20♑32	2°D 1	3♐33	3♐14	n.a.	T 1
F 2	1 47 22	26°20'00	17°48	24°15	0♏37	18♈46	13°44	2♓38	25♊59	10°16	20°32	2♐ 1	3°29	3°20	n.a.	F 2
S 3	1 51 19	27°21'15	2♋14	25°50	1°53	18°24	13°46	2°37	25°58	10°18	20°33	2° 3	3°26	3°27	n.a.	S 3
S 4	1 55 16	28°22'30	16°22	27°24	3° 9	18° 2	13°48	2°35	25°57	10°20	20°33	2° 4	3°23	3°34	n.a.	S 4
M 5	1 59 12	29°23'46	0♌10	28°59	4°24	17°41	13°51	2°33	25°56	10°22	20°34	2°R 5	3°20	3°40	n.a.	M 5
T 6	2 3 9	0♏25'03	13°39	0♏34	5°40	17°20	13°53	2°32	25°55	10°25	20°34	2° 4	3°17	3°47	n.a.	T 6
W 7	2 7 5	1°26'21	26°50	2° 9	6°55	17° 0	13°56	2°31	25°53	10°27	20°34	2° 2	3°13	3°53	n.a.	W 7
T 8	2 11 2	2°27'39	9♍46	3°44	8°11	16°40	13°59	2°29	25°52	10°29	20°35	1°58	3°10	4° 0	n.a.	T 8
F 9	2 14 58	3°28'58	22°27	5°19	9°26	16°21	14° 2	2°28	25°51	10°31	20°35	1°53	3° 7	4° 7	n.a.	F 9
S 10	2 18 55	4°30'17	4♎56	6°55	10°41	16° 3	14° 6	2°27	25°50	10°33	20°36	1°48	3° 4	4°13	n.a.	S 10
S 11	2 22 51	5°31'37	17°13	8°31	11°57	15°45	14° 9	2°26	25°48	10°35	20°37	1°44	3° 1	4°20	n.a.	S 11
M12	2 26 48	6°32'56	29°21	10° 7	13°12	15°28	14°13	2°26	25°47	10°37	20°37	1°40	2°58	4°27	n.a.	M12
T 13	2 30 45	7°34'17	11♏21	11°43	14°28	15°11	14°17	2°25	25°46	10°39	20°38	1°37	2°54	4°33	n.a.	T 13
W14	2 34 41	8°35'37	23°14	13°19	15°43	14°55	14°21	2°24	25°44	10°41	20°38	1°35	2°51	4°40	n.a.	W14
T 15	2 38 38	9°36'57	5♐ 2	14°56	16°59	14°40	14°26	2°24	25°43	10°43	20°39	1°D35	2°48	4°47	n.a.	T 15
F 16	2 42 34	10°38'18	16°49	16°33	18°14	14°26	14°30	2°23	25°41	10°45	20°40	1°36	2°45	4°53	n.a.	F 16
S 17	2 46 31	11°39'38	28°36	18°10	19°29	14°12	14°35	2°23	25°39	10°48	20°40	1°37	2°42	5° 0	n.a.	S 17
S 18	2 50 27	12°40'58	10♑28	19°47	20°45	14° 0	14°40	2°D23	25°38	10°50	20°41	1°39	2°38	5° 7	n.a.	S 18
M19	2 54 24	13°42'17	22°28	21°25	22° 0	13°48	14°45	2°23	25°36	10°51	20°42	1°40	2°35	5°13	n.a.	M19
T 20	2 58 21	14°43'37	4♒42	23° 3	23°16	13°37	14°51	2°23	25°34	10°53	20°43	1°41	2°32	5°20	n.a.	T 20
W21	3 2 17	15°44'55	17°13	24°41	24°31	13°26	14°56	2°24	25°32	10°55	20°44	1°R42	2°29	5°27	n.a.	W21
T 22	3 6 14	16°46'14	0♓ 7	26°19	25°46	13°17	15° 2	2°24	25°31	10°57	20°44	1°41	2°26	5°33	n.a.	T 22
F 23	3 10 10	17°47'31	13°26	27°57	27° 2	13° 8	15° 8	2°24	25°29	10°59	20°45	1°40	2°23	5°40	n.a.	F 23
S 24	3 14 7	18°48'48	27°13	29°35	28°17	13° 1	15°14	2°25	25°27	11° 1	20°46	1°39	2°19	5°46	n.a.	S 24
S 25	3 18 3	19°50'05	11♈28	1♐13	29°32	12°54	15°20	2°26	25°25	11° 3	20°47	1°37	2°16	5°53	n.a.	S 25
M26	3 22 0	20°51'21	26° 8	2°52	0♐47	12°47	15°26	2°26	25°23	11° 5	20°48	1°36	2°13	6° 0	n.a.	M26
T 27	3 25 56	21°52'36	11♉ 8	4°30	2° 3	12°42	15°33	2°27	25°21	11° 7	20°49	1°35	2°10	6° 6	n.a.	T 27
W28	3 29 53	22°53'51	26°19	6° 7	3°18	12°38	15°39	2°28	25°19	11° 8	20°50	1°D34	2° 7	6°13	n.a.	W28
T 29	3 33 50	23°55'06	11♊31	7°44	4°33	12°34	15°46	2°30	25°17	11°10	20°51	1°34	2° 4	6°20	n.a.	T 29
F 30	3 37 46	24♏56'20	26♊36	9♐21	5♐48	12♈31	15♒53	2♓31	25♊14	11♎12	20♑52	1♐35	2♐ 0	6♐26	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s58	21n 4	0s 6	9s25	0s28	11s14	0n14	7n46	0n 9	18s34	1s37	13s14	2s43	24n12	0n23	2s16	2n 1	35s35	13s28	20s57	21s15	21s13		n.a.
F 2	10 21	21 54	1 25	10 6	0 34	11 43	0 12	7 40	0 12	18 33	1 37	13 15	2 42	24 12	0 23	2 17	2 1	35 34	13 28	20 57	21 15	21 14		n.a.
S 3	10 43	21 14	2 38	10 47	0 40	12 12	0 9	7 34	0 14	18 33	1 37	13 15	2 42	24 12	0 23	2 18	2 1	35 34	13 28	20 58	21 14	21 14		n.a.
S 4	11 6	19 14	3 39	11 28	0 46	12 41	0 7	7 28	0 17	18 32	1 36	13 15	2 42	24 12	0 23	2 19	2 1	35 34	13 27	20 58	21 13	21 15		n.a.
M 5	11 28	16 10	4 26	12 8	0 52	13 9	0 5	7 22	0 19	18 31	1 36	13 16	2 42	24 12	0 23	2 20	2 1	35 33	13 27	20 58	21 13	21 15		n.a.
T 6	11 50	12 18	4 57	12 47	0 58	13 37	0 2	7 16	0 22	18 30	1 36	13 16	2 41	24 12	0 23	2 21	2 1	35 33	13 27	20 58	21 12	21 15		n.a.
W 7	12 12	7 55	5 12	13 26	1 4	14 5	0s 0	7 10	0 24	18 28	1 36	13 16	2 41	24 12	0 23	2 22	2 1	35 32	13 27	20 57	21 12	21 16		n.a.
T 8	12 33	3 16	5 10	14 5	1 9	14 32	0 2	7 5	0 27	18 27	1 35	13 17	2 41	24 12	0 23	2 22	2 1	35 32	13 26	20 57	21 11	21 16		n.a.
F 9	12 54	1s26	4 53	14 42	1 14	14 59	0 5	6 59	0 29	18 26	1 35	13 17	2 41	24 12	0 23	2 23	2 1	35 32	13 26	20 56	21 10	21 17		n.a.
S 10	13 16	6 0	4 23	15 20	1 20	15 25	0 7	6 54	0 31	18 25	1 35	13 17	2 40	24 12	0 23	2 24	2 1	35 31	13 26	20 55	21 10	21 17		n.a.
S 11	13 37	10 16	3 40	15 56	1 25	15 51	0 10	6 49	0 33	18 23	1 34	13 17	2 40	24 12	0 23	2 25	2 1	35 31	13 25	20 54	21 9	21 17		n.a.
M12	13 57	14 4	2 48	16 32	1 29	16 17	0 12	6 44	0 36	18 22	1 34	13 17	2 40	24 12	0 23	2 26	2 1	35 31	13 25	20 53	21 8	21 18		n.a.
T 13	14 18	17 15	1 49	17 7	1 34	16 42	0 14	6 40	0 38	18 21	1 34	13 17	2 40	24 12	0 23	2 26	2 1	35 30	13 25	20 52	21 8	21 18		n.a.
W14	14 38	19 40	0 46	17 41	1 38	17 7	0 17	6 36	0 40	18 19	1 33	13 17	2 39	24 12	0 23	2 27	2 1	35 30	13 25	20 52	21 7	21 18		n.a.
T 15	14 58	21 13	0n19	18 15	1 42	17 31	0 19	6 32	0 42	18 17	1 33	13 17	2 39	24 12	0 23	2 28	2 1	35 29	13 24	20 52	21 7	21 19		n.a.
F 16	15 17	21 50	1 23	18 47	1 46	17 55	0 21	6 28	0 44	18 16	1 33	13 17	2 39	24 12	0 23	2 29	2 1	35 29	13 24	20 52	21 6	21 19		n.a.
S 17	15 37	21 29	2 24	19 19	1 50	18 19	0 24	6 24	0 46	18 14	1 33	13 17	2 39	24 12	0 23	2 30	2 1	35 29	13 24	20 52	21 5	21 20		n.a.
S 18	15 56	20 10	3 19	19 49	1 53	18 41	0 26	6 21	0 48	18 12	1 32	13 16	2 38	24 12	0 23	2 30	2 1	35 28	13 24	20 53	21 5	21 20		n.a.
M19	16 15	17 56	4 6	20 19	1 56	19 4	0 28	6 18	0 50	18 11	1 32	13 16	2 38	24 12	0 23	2 31	2 1	35 28	13 23	20 53	21 4	21 20		n.a.
T 20	16 33	14 52	4 43	20 47	1 59	19 26	0 31	6 15	0 52	18 9	1 32	13 16	2 38	24 12	0 23	2 32	2 2	35 27	13 23	20 53	21 3	21 21		n.a.
W21	16 52	11 5	5 7	21 15	2 1	19 47	0 33	6 13	0 53	18 7	1 31	13 16	2 38	24 12	0 23	2 33	2 2	35 27	13 23	20 53	21 3	21 21		n.a.
T 22	17 10	6 42	5 17	21 41	2 3	20 8	0 35	6 11	0 55	18 5	1 31	13 15	2 37	24 12	0 23	2 33	2 2	35 27	13 22	20 53	21 2	21 21		n.a.
F 23	17 27	1 52	5 11	22 5	2 4	20 28	0 37	6 9	0 57	18 3	1 31	13 15	2 37	24 12	0 23	2 34	2 2	35 26	13 22	20 53	21 1	21 22		n.a.
S 24	17 45	3n14	4 46	22 28	2 5	20 47	0 39	6 7	0 58	18 1	1 31	13 14	2 37	24 12	0 23	2 35	2 2	35 26	13 22	20 53	21 1	21 22		n.a.
S 25	18 1	8 21	4 4	22 50	2 6	21 6	0 42	6 6	1 0	17 59	1 30	13 14	2 37	24 12	0 23	2 35	2 2	35 26	13 22	20 52	21 0	21 22		n.a.
M26	18 18	13 8	3 5	23 11	2 6	21 25	0 44	6 5	1 2	17 56	1 30	13 13	2 36	24 12	0 23	2 36	2 2	35 25	13 21	20 52	21 0	21 23		n.a.
T 27	18 34	17 12	1 51	23 29	2 5	21 42	0 46	6 4	1 3	17 54	1 30	13 13	2 36	24 12	0 23	2 37	2 2	35 25	13 21	20 52	20 59	21 23		n.a.
W28	18 50	20 10	0 29	23 46	2 4	21 59	0 48	6 4	1 4	17 52	1 30	13 12	2 36	24 12	0 24	2 37	2 2	35 24	13 21	20 52	20 58	21 23		n.a.
T 29	19 6	21 41	0s55	24 1	2 3	22 16	0 50	6 4	1 6	17 49	1 29	13 11	2 35	24 12	0 24	2 38	2 2	35 24	13 21	20 52	20 58	21 23		n.a.
F 30	19s21	21n36	2s15	24s15	2s 0	22s32	0s52	6n 4	1n 7	17s47	1s29	13s11	2s35	24n11	0n24	2s39	2n 2	35s24	13s21	20s52	20s57	21s24		n.a.

Julian Day Number = 1116873.5, Delta T = 10h46m21s
Ecliptic obliquity = 23°53'12, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'21, Lahiri = -26°47'20 Julian Calendar 1 Nov. 1656 BCE == Greg. Calendar 18 Oct. 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1656 BCE
geocentric

DECEMBER 1656 BCE (-1655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 41 43	25♏57'34	11♋25	10♐56	7♐ 4	12°R29	16♒ 0	2♓32	25°R12	11♎14	20♑53	1♐35	1♐57	6♐33	n.a.	S 1
S 2	3 45 39	26°58'47	25°51	12°31	8°19	12♈27	16° 8	2°34	25♊10	11°16	20°54	1°36	1°54	6°40	n.a.	S 2
M 3	3 49 36	28° 0'00	9♌53	14° 4	9°34	12°D27	16°15	2°35	25° 8	11°17	20°55	1°36	1°51	6°46	n.a.	M 3
T 4	3 53 32	29° 1'13	23°28	15°35	10°49	12°27	16°23	2°37	25° 6	11°19	20°56	1°36	1°48	6°53	n.a.	T 4
W 5	3 57 29	0♐ 2'25	6♍40	17° 5	12° 4	12°28	16°31	2°39	25° 3	11°21	20°57	1°R36	1°44	7° 0	n.a.	W 5
T 6	4 1 26	1° 3'37	19°29	18°31	13°19	12°30	16°38	2°41	25° 1	11°22	20°58	1°D36	1°41	7° 6	n.a.	T 6
F 7	4 5 22	2° 4'48	2♎ 1	19°55	14°34	12°32	16°47	2°43	24°59	11°24	20°59	1°36	1°38	7°13	n.a.	F 7
S 8	4 9 19	3° 5'58	14°17	21°15	15°50	12°35	16°55	2°45	24°56	11°25	21° 0	1°36	1°35	7°19	n.a.	S 8
S 9	4 13 15	4° 7'08	26°22	22°31	17° 5	12°39	17° 3	2°47	24°54	11°27	21° 2	1°37	1°32	7°26	n.a.	S 9
M10	4 17 12	5° 8'17	8♏18	23°42	18°20	12°44	17°12	2°50	24°52	11°28	21° 3	1°37	1°29	7°33	n.a.	M10
T 11	4 21 8	6° 9'26	20° 9	24°47	19°35	12°49	17°20	2°52	24°49	11°30	21° 4	1°37	1°25	7°39	n.a.	T 11
W12	4 25 5	7°10'33	1♐57	25°45	20°50	12°55	17°29	2°55	24°47	11°31	21° 5	1°R37	1°22	7°46	n.a.	W12
T 13	4 29 1	8°11'39	13°45	26°36	22° 5	13° 2	17°38	2°57	24°44	11°33	21° 7	1°37	1°19	7°53	n.a.	T 13
F 14	4 32 58	9°12'45	25°33	27°19	23°20	13° 9	17°47	3° 0	24°42	11°34	21° 8	1°37	1°16	7°59	n.a.	F 14
S 15	4 36 55	10°13'49	7♑25	27°53	24°35	13°17	17°56	3° 3	24°39	11°36	21° 9	1°36	1°13	8° 6	n.a.	S 15
S 16	4 40 51	11°14'52	19°22	28°17	25°50	13°25	18° 6	3° 6	24°37	11°37	21°10	1°34	1°10	8°13	n.a.	S 16
M17	4 44 48	12°15'54	1♒28	28°30	27° 5	13°35	18°15	3° 9	24°34	11°38	21°12	1°33	1° 6	8°19	n.a.	M17
T 18	4 48 44	13°16'54	13°45	28°R32	28°20	13°45	18°25	3°12	24°31	11°40	21°13	1°31	1° 3	8°26	n.a.	T 18
W19	4 52 41	14°17'52	26°17	28°24	29°35	13°55	18°34	3°16	24°29	11°41	21°14	1°30	1° 0	8°33	n.a.	W19
T 20	4 56 37	15°18'50	9♓ 7	28° 3	0♑50	14° 6	18°44	3°19	24°26	11°42	21°16	1°29	0°57	8°39	n.a.	T 20
F 21	5 0 34	16°19'45	22°18	27°32	2° 5	14°18	18°54	3°23	24°24	11°44	21°17	1°D29	0°54	8°46	n.a.	F 21
S 22	5 4 31	17°20'39	5♈52	26°51	3°19	14°30	19° 4	3°26	24°21	11°45	21°18	1°30	0°50	8°53	n.a.	S 22
S 23	5 8 27	18°21'31	19°52	26° 0	4°34	14°42	19°15	3°30	24°19	11°46	21°20	1°31	0°47	8°59	n.a.	S 23
M24	5 12 24	19°22'21	4♉17	25° 2	5°49	14°56	19°25	3°34	24°16	11°47	21°21	1°32	0°44	9° 6	n.a.	M24
T 25	5 16 20	20°23'10	19° 5	23°57	7° 4	15° 9	19°35	3°38	24°13	11°48	21°23	1°33	0°41	9°12	n.a.	T 25
W26	5 20 17	21°23'58	4♊ 9	22°47	8°19	15°24	19°46	3°42	24°11	11°49	21°24	1°R34	0°38	9°19	n.a.	W26
T 27	5 24 13	22°24'44	19°22	21°36	9°33	15°38	19°56	3°46	24° 8	11°50	21°26	1°33	0°35	9°26	n.a.	T 27
F 28	5 28 10	23°25'28	4♋34	20°24	10°48	15°54	20° 7	3°50	24° 5	11°51	21°27	1°31	0°31	9°32	n.a.	F 28
S 29	5 32 6	24°26'11	19°35	19°14	12° 3	16° 9	20°18	3°54	24° 3	11°52	21°28	1°28	0°28	9°39	n.a.	S 29
S 30	5 36 3	25°26'52	4♌17	18° 7	13°17	16°25	20°29	3°58	24° 0	11°53	21°30	1°25	0°25	9°46	n.a.	S 30
M31	5 40 0	26♐27'32	18♌33	17♐ 5	14♑32	16♈42	20♒40	4♓ 3	23♊58	11♎54	21♑31	1♐21	0♐22	9♐52	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s36	20n 0	3s24	24s26	1s57	22s47	0s54	6n 4	1n 9	17s45	1s29	13s10	2s35	24n11	0n24	2s39	2n 2	35s23	13s20	20s52	20s56	21s24		n.a.
S 2	19 51	17 8	4 19	24 36	1 54	23 1	0 56	6 5	1 10	17 42	1 29	13 9	2 35	24 11	0 24	2 40	2 2	35 23	13 20	20 52	20 56	21 24		n.a.
M 3	20 5	13 21	4 56	24 43	1 49	23 15	0 58	6 6	1 11	17 40	1 28	13 8	2 34	24 11	0 24	2 41	2 2	35 22	13 20	20 52	20 55	21 25		n.a.
T 4	20 19	9 0	5 15	24 49	1 44	23 28	1 0	6 7	1 12	17 37	1 28	13 7	2 34	24 11	0 24	2 41	2 2	35 22	13 20	20 52	20 54	21 25		n.a.
W 5	20 32	4 20	5 17	24 52	1 38	23 41	1 2	6 8	1 14	17 34	1 28	13 6	2 34	24 11	0 24	2 42	2 2	35 21	13 19	20 52	20 54	21 25		n.a.
T 6	20 45	0s24	5 3	24 53	1 31	23 52	1 3	6 10	1 15	17 32	1 27	13 5	2 34	24 11	0 24	2 43	2 2	35 21	13 19	20 52	20 53	21 25		n.a.
F 7	20 58	5 0	4 35	24 52	1 23	24 3	1 5	6 12	1 16	17 29	1 27	13 4	2 33	24 11	0 24	2 43	2 2	35 21	13 19	20 52	20 52	21 26		n.a.
S 8	21 10	9 19	3 54	24 49	1 14	24 13	1 7	6 14	1 17	17 26	1 27	13 3	2 33	24 11	0 24	2 44	2 2	35 20	13 19	20 52	20 52	21 26		n.a.
S 9	21 22	13 12	3 4	24 44	1 4	24 23	1 8	6 17	1 18	17 23	1 27	13 2	2 33	24 11	0 24	2 44	2 2	35 20	13 19	20 52	20 51	21 26		n.a.
M10	21 33	16 31	2 6	24 36	0 53	24 32	1 10	6 19	1 19	17 21	1 27	13 1	2 33	24 11	0 24	2 45	2 2	35 19	13 18	20 52	20 50	21 26		n.a.
T 11	21 44	19 8	1 3	24 27	0 40	24 40	1 12	6 22	1 20	17 18	1 26	13 0	2 32	24 11	0 24	2 45	2 2	35 19	13 18	20 52	20 50	21 27		n.a.
W12	21 55	20 55	0n 2	24 16	0 27	24 47	1 13	6 26	1 21	17 15	1 26	12 59	2 32	24 11	0 24	2 46	2 3	35 19	13 18	20 52	20 49	21 27		n.a.
T 13	22 5	21 46	1 7	24 3	0 13	24 53	1 15	6 29	1 22	17 12	1 26	12 58	2 32	24 11	0 24	2 47	2 3	35 18	13 18	20 52	20 48	21 27		n.a.
F 14	22 15	21 39	2 9	23 49	0n 3	24 59	1 16	6 33	1 22	17 9	1 26	12 56	2 31	24 10	0 24	2 47	2 3	35 18	13 18	20 52	20 48	21 27		n.a.
S 15	22 24	20 35	3 6	23 33	0 19	25 4	1 17	6 37	1 23	17 5	1 25	12 55	2 31	24 10	0 24	2 48	2 3	35 17	13 17	20 52	20 47	21 27		n.a.
S 16	22 33	18 34	3 55	23 16	0 36	25 8	1 19	6 41	1 24	17 2	1 25	12 54	2 31	24 10	0 24	2 48	2 3	35 17	13 17	20 52	20 46	21 28		n.a.
M17	22 41	15 44	4 35	22 59	0 54	25 11	1 20	6 45	1 25	16 59	1 25	12 52	2 31	24 10	0 24	2 49	2 3	35 17	13 17	20 51	20 46	21 28		n.a.
T 18	22 49	12 11	5 2	22 40	1 12	25 14	1 21	6 50	1 26	16 56	1 25	12 51	2 30	24 10	0 24	2 49	2 3	35 16	13 17	20 51	20 45	21 28		n.a.
W19	22 57	8 3	5 16	22 22	1 31	25 15	1 22	6 55	1 26	16 53	1 24	12 49	2 30	24 10	0 24	2 49	2 3	35 16	13 17	20 51	20 44	21 28		n.a.
T 20	23 4	3 27	5 14	22 3	1 50	25 16	1 23	7 0	1 27	16 49	1 24	12 48	2 30	24 10	0 24	2 50	2 3	35 16	13 17	20 51	20 44	21 28		n.a.
F 21	23 10	1n25	4 57	21 44	2 8	25 17	1 24	7 5	1 28	16 46	1 24	12 46	2 30	24 10	0 24	2 50	2 3	35 15	13 16	20 51	20 43	21 29		n.a.
S 22	23 16	6 22	4 22	21 25	2 25	25 16	1 25	7 10	1 28	16 42	1 24	12 45	2 29	24 10	0 24	2 51	2 3	35 15	13 16	20 51	20 42	21 29		n.a.
S 23	23 22	11 9	3 31	21 7	2 42	25 15	1 26	7 16	1 29	16 39	1 24	12 43	2 29	24 10	0 24	2 51	2 3	35 14	13 16	20 51	20 42	21 29		n.a.
M24	23 27	15 28	2 25	20 50	2 57	25 12	1 27	7 21	1 29	16 35	1 23	12 42	2 29	24 10	0 24	2 52	2 3	35 14	13 16	20 51	20 41	21 29		n.a.
T 25	23 32	18 55	1 9	20 34	3 11	25 9	1 28	7 27	1 30	16 32	1 23	12 40	2 29	24 9	0 24	2 52	2 3	35 14	13 16	20 51	20 40	21 29		n.a.
W26	23 36	21 8	0s14	20 19	3 22	25 6	1 29	7 33	1 31	16 28	1 23	12 38	2 29	24 9	0 24	2 52	2 3	35 13	13 16	20 52	20 40	21 29		n.a.
T 27	23 40	21 50	1 37	20 5	3 32	25 1	1 29	7 40	1 31	16 25	1 23	12 36	2 28	24 9	0 24	2 53	2 3	35 13	13 16	20 51	20 39	21 30		n.a.
F 28	23 43	20 56	2 52	19 54	3 39	24 56	1 30	7 46	1 32	16 21	1 23	12 35	2 28	24 9	0 24	2 53	2 3	35 12	13 16	20 51	20 38	21 30		n.a.
S 29	23 46	18 33	3 55	19 44	3 44	24 50	1 30	7 53	1 32	16 17	1 22	12 33	2 28	24 9	0 24	2 53	2 4	35 12	13 15	20 50	20 38	21 30		n.a.
S 30	23 48	15 0	4 41	19 36	3 46	24 43	1 31	8 0	1 32	16 14	1 22	12 31	2 28	24 9	0 24	2 54	2 4	35 12	13 15	20 50	20 37	21 30		n.a.
M31	23s50	10n41	5s 7	19s30	3n46	24s35	1s31	8n 6	1n33	16s10	1s22	12s29	2s27	24n 9	0n24	2s54	2n 4	35s11	13s15	20s49	20s36	21s30		n.a.

Julian Day Number = 1116903.5, Delta T = 10h46m19s
Ecliptic obliquity = 23°53'11, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'17, Lahiri = -26°47'16 Julian Calendar 1 Dec. 1656 BCE == Greg. Calendar 17 Nov. 1656 BCE

The year -1655 astronomical counting style corresponds to year 1656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

JANUARY 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 43 56	27♐28'10	2♍21	16°R 9	15♑47	16♈59	20♒51	4♓ 7	23°R55	11♎55	21♑33	1°R18	0♐19	9♐59	n.a.	T 1
W 2	5 47 53	28°28'47	15°41	15♐19	17° 1	17°17	21° 3	4°12	23♊52	11°56	21°34	1♐17	0°16	10° 6	n.a.	W 2
T 3	5 51 49	29°29'23	28°34	14°38	18°16	17°34	21°14	4°17	23°50	11°57	21°36	1°D16	0°12	10°12	n.a.	T 3
F 4	5 55 46	0♑29'57	11♎ 5	14° 3	19°30	17°53	21°25	4°21	23°47	11°57	21°37	1°16	0° 9	10°19	n.a.	F 4
S 5	5 59 42	1°30'29	23°18	13°37	20°45	18°11	21°37	4°26	23°44	11°58	21°39	1°18	0° 6	10°26	n.a.	S 5
S 6	6 3 39	2°31'01	5♏17	13°19	21°59	18°30	21°48	4°31	23°42	11°59	21°41	1°20	0° 3	10°32	n.a.	S 6
M 7	6 7 35	3°31'30	17° 8	13° 8	23°14	18°50	22° 0	4°36	23°39	12° 0	21°42	1°21	29♏59	10°39	n.a.	M 7
T 8	6 11 32	4°31'58	28°55	13°D 4	24°28	19°10	22°12	4°41	23°37	12° 0	21°44	1°R22	29°56	10°46	n.a.	T 8
W 9	6 15 29	5°32'25	10♐41	13° 7	25°43	19°30	22°24	4°47	23°34	12° 1	21°45	1°22	29°53	10°52	n.a.	W 9
T 10	6 19 25	6°32'50	22°29	13°17	26°57	19°51	22°36	4°52	23°32	12° 2	21°47	1°19	29°50	10°59	n.a.	T 10
F 11	6 23 22	7°33'12	4♑23	13°33	28°12	20°11	22°48	4°57	23°29	12° 2	21°48	1°15	29°47	11° 6	n.a.	F 11
S 12	6 27 18	8°33'34	16°23	13°54	29°26	20°33	23° 0	5° 3	23°26	12° 3	21°50	1°10	29°44	11°12	n.a.	S 12
S 13	6 31 15	9°33'53	28°32	14°21	0♒40	20°54	23°12	5° 8	23°24	12° 3	21°52	1° 3	29°41	11°19	n.a.	S 13
M14	6 35 11	10°34'10	10♒50	14°53	1°55	21°16	23°25	5°14	23°21	12° 4	21°53	0°55	29°37	11°25	n.a.	M14
T 15	6 39 8	11°34'24	23°19	15°29	3° 9	21°39	23°37	5°19	23°19	12° 4	21°55	0°48	29°34	11°32	n.a.	T 15
W16	6 43 4	12°34'37	6♓ 0	16°10	4°23	22° 1	23°50	5°25	23°17	12° 4	21°56	0°42	29°31	11°39	n.a.	W16
T 17	6 47 1	13°34'48	18°55	16°54	5°37	22°24	24° 2	5°31	23°14	12° 5	21°58	0°37	29°28	11°45	n.a.	T 17
F 18	6 50 58	14°34'56	2♈ 6	17°42	6°51	22°47	24°15	5°37	23°12	12° 5	22° 0	0°34	29°25	11°52	n.a.	F 18
S 19	6 54 54	15°35'02	15°35	18°34	8° 6	23°11	24°27	5°43	23° 9	12° 5	22° 1	0°D34	29°22	11°59	n.a.	S 19
S 20	6 58 51	16°35'05	29°22	19°28	9°20	23°34	24°40	5°49	23° 7	12° 6	22° 3	0°34	29°18	12° 5	n.a.	S 20
M21	7 2 47	17°35'06	13♉30	20°26	10°34	23°58	24°53	5°55	23° 5	12° 6	22° 4	0°35	29°15	12°12	n.a.	M21
T 22	7 6 44	18°35'05	27°57	21°26	11°48	24°23	25° 6	6° 1	23° 2	12° 6	22° 6	0°R36	29°12	12°19	n.a.	T 22
W23	7 10 40	19°35'02	12♊41	22°29	13° 2	24°47	25°19	6° 7	23° 0	12° 6	22° 8	0°36	29° 9	12°25	n.a.	W23
T 24	7 14 37	20°34'56	27°36	23°34	14°16	25°12	25°32	6°13	22°58	12° 6	22° 9	0°33	29° 6	12°32	n.a.	T 24
F 25	7 18 33	21°34'48	12♋36	24°41	15°29	25°37	25°45	6°20	22°56	12° 6	22°11	0°28	29° 2	12°39	n.a.	F 25
S 26	7 22 30	22°34'38	27°31	25°51	16°43	26° 2	25°58	6°26	22°53	12° 6	22°13	0°21	28°59	12°45	n.a.	S 26
S 27	7 26 27	23°34'26	12♌13	27° 3	17°57	26°28	26°11	6°32	22°51	12°R 6	22°14	0°13	28°56	12°52	n.a.	S 27
M28	7 30 23	24°34'12	26°34	28°16	19°11	26°53	26°24	6°39	22°49	12° 6	22°16	0° 4	28°53	12°59	n.a.	M28
T 29	7 34 20	25°33'55	10♍29	29°31	20°25	27°19	26°37	6°45	22°47	12° 6	22°17	29♏56	28°50	13° 5	n.a.	T 29
W30	7 38 16	26°33'37	23°55	0♑49	21°38	27°46	26°51	6°52	22°45	12° 6	22°19	29°49	28°47	13°12	n.a.	W30
T 31	7 42 13	27♑33'17	6♎55	2♑ 7	22♒52	28♈12	27♒ 4	6♓59	22♊43	12♎ 6	22♑21	29♏45	28♏43	13♐19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23s52	5n56	5s15	19s26	3n44	24s27	1s32	8n13	1n33	16s 6	1s22	12s27	2s27	24n 9	0n24	2s54	2n 4	35s11	13s15	20s48	20s36	21s30			n.a.
W 2	23 53	1 4	5 5	19 25	3 40	24 18	1 32	8 21	1 34	16 2	1 22	12 25	2 27	24 9	0 24	2 54	2 4	35 11	13 15	20 48	20 35	21 30			n.a.
T 3	23 53	3s41	4 40	19 25	3 35	24 8	1 32	8 28	1 34	15 58	1 22	12 23	2 27	24 8	0 24	2 55	2 4	35 10	13 15	20 48	20 34	21 31			n.a.
F 4	23 53	8 10	4 2	19 28	3 28	23 58	1 32	8 36	1 35	15 54	1 21	12 21	2 26	24 8	0 24	2 55	2 4	35 10	13 15	20 48	20 34	21 31			n.a.
S 5	23 53	12 13	3 14	19 33	3 20	23 46	1 32	8 43	1 35	15 50	1 21	12 19	2 26	24 8	0 24	2 55	2 4	35 10	13 15	20 48	20 33	21 31			n.a.
S 6	23 52	15 42	2 18	19 39	3 11	23 34	1 32	8 51	1 35	15 46	1 21	12 17	2 26	24 8	0 24	2 55	2 4	35 9	13 15	20 49	20 32	21 31			n.a.
M 7	23 50	18 30	1 17	19 48	3 2	23 22	1 32	8 59	1 36	15 42	1 21	12 15	2 26	24 8	0 24	2 56	2 4	35 9	13 15	20 49	20 32	21 31			n.a.
T 8	23 48	20 31	0 13	19 58	2 51	23 8	1 32	9 7	1 36	15 38	1 21	12 13	2 26	24 8	0 24	2 56	2 4	35 9	13 15	20 49	20 31	21 31			n.a.
W 9	23 46	21 38	0n51	20 9	2 41	22 54	1 32	9 15	1 36	15 34	1 20	12 11	2 25	24 8	0 24	2 56	2 4	35 8	13 14	20 49	20 30	21 31			n.a.
T 10	23 43	21 47	1 53	20 21	2 29	22 39	1 32	9 23	1 36	15 30	1 20	12 9	2 25	24 8	0 24	2 56	2 4	35 8	13 14	20 49	20 30	21 31			n.a.
F 11	23 40	20 58	2 51	20 34	2 18	22 24	1 31	9 31	1 37	15 26	1 20	12 7	2 25	24 7	0 24	2 56	2 4	35 8	13 14	20 48	20 29	21 31			n.a.
S 12	23 36	19 12	3 41	20 48	2 7	22 8	1 31	9 40	1 37	15 22	1 20	12 5	2 25	24 7	0 24	2 57	2 4	35 7	13 14	20 47	20 28	21 31			n.a.
S 13	23 32	16 34	4 22	21 3	1 55	21 51	1 30	9 48	1 37	15 17	1 20	12 2	2 25	24 7	0 24	2 57	2 5	35 7	13 14	20 45	20 27	21 32			n.a.
M14	23 27	13 10	4 51	21 18	1 43	21 34	1 30	9 57	1 37	15 13	1 20	12 0	2 24	24 7	0 24	2 57	2 5	35 7	13 14	20 44	20 27	21 32			n.a.
T 15	23 22	9 10	5 7	21 33	1 32	21 16	1 29	10 6	1 38	15 9	1 20	11 58	2 24	24 7	0 24	2 57	2 5	35 6	13 14	20 42	20 26	21 32			n.a.
W16	23 17	4 42	5 8	21 49	1 21	20 57	1 28	10 14	1 38	15 4	1 19	11 55	2 24	24 7	0 24	2 57	2 5	35 6	13 14	20 41	20 25	21 32			n.a.
T 17	23 11	0n 2	4 54	22 5	1 9	20 38	1 28	10 23	1 38	15 0	1 19	11 53	2 24	24 7	0 24	2 57	2 5	35 6	13 14	20 40	20 25	21 32			n.a.
F 18	23 4	4 53	4 24	22 20	0 58	20 18	1 27	10 32	1 38	14 56	1 19	11 51	2 24	24 7	0 24	2 57	2 5	35 5	13 14	20 39	20 24	21 32			n.a.
S 19	22 57	9 36	3 39	22 36	0 47	19 58	1 26	10 41	1 38	14 51	1 19	11 48	2 24	24 6	0 24	2 57	2 5	35 5	13 14	20 39	20 23	21 32			n.a.
S 20	22 50	13 57	2 41	22 51	0 37	19 37	1 25	10 51	1 39	14 47	1 19	11 46	2 23	24 6	0 24	2 57	2 5	35 5	13 14	20 39	20 23	21 32			n.a.
M21	22 42	17 38	1 31	23 6	0 26	19 16	1 24	11 0	1 39	14 42	1 19	11 43	2 23	24 6	0 24	2 57	2 5	35 4	13 14	20 39	20 22	21 32			n.a.
T 22	22 34	20 18	0 14	23 20	0 16	18 54	1 23	11 9	1 39	14 38	1 19	11 41	2 23	24 6	0 24	2 57	2 5	35 4	13 14	20 39	20 21	21 32			n.a.
W23	22 26	21 40	1s 5	23 34	0 6	18 31	1 22	11 18	1 39	14 33	1 18	11 38	2 23	24 6	0 24	2 57	2 5	35 4	13 14	20 39	20 21	21 32			n.a.
T 24	22 17	21 31	2 20	23 47	0s 3	18 8	1 20	11 28	1 39	14 29	1 18	11 36	2 23	24 6	0 24	2 57	2 5	35 4	13 14	20 39	20 20	21 32			n.a.
F 25	22 7	19 51	3 27	23 59	0 13	17 45	1 19	11 37	1 39	14 24	1 18	11 33	2 23	24 6	0 24	2 57	2 5	35 3	13 14	20 38	20 19	21 32			n.a.
S 26	21 57	16 50	4 18	24 11	0 22	17 21	1 18	11 47	1 39	14 19	1 18	11 31	2 22	24 6	0 24	2 57	2 5	35 3	13 14	20 36	20 18	21 32			n.a.
S 27	21 47	12 47	4 52	24 22	0 30	16 56	1 16	11 56	1 40	14 15	1 18	11 28	2 22	24 5	0 24	2 57	2 6	35 3	13 14	20 34	20 18	21 32			n.a.
M28	21 36	8 6	5 6	24 31	0 39	16 32	1 15	12 6	1 40	14 10	1 18	11 26	2 22	24 5	0 24	2 57	2 6	35 3	13 14	20 33	20 17	21 32			n.a.
T 29	21 25	3 8	5 1	24 40	0 47	16 6	1 13	12 15	1 40	14 5	1 18	11 23	2 22	24 5	0 24	2 57	2 6	35 2	13 14	20 31	20 16	21 32			n.a.
W30	21 14	1s49	4 40	24 48	0 55	15 41	1 11	12 25	1 40	14 0	1 18	11 20	2 22	24 5	0 24	2 57	2 6	35 2	13 14	20 29	20 16	21 32			n.a.
T 31	21s 2	6s32	4s 5	24s54	1s 2	15s15	1s10	12n35	1n40	13s56	1s18	11s18	2s22	24n 5	0n24	2s57	2n 6	35s 2	13s15	20s28	20s15	21s32			n.a.

Julian Day Number = 1116934.5, Delta T = 10h46m18s
Ecliptic obliquity = 23°53'11, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'12, Lahiri = -26°47'12 Julian Calendar 1 Jan. 1655 BCE == Greg. Calendar 18 Dec. 1656 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

FEBRUARY 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 46 9	28♉32'55	19♎30	3♉28	24♒ 5	28♈39	27♒17	7♓ 5	22°R41	12°R 6	22♉22	29°R42	28♏40	13♐25	n.a.	F 1
S 2	7 50 6	29°32'31	1♏45	4°50	25°19	29° 5	27°31	7°12	22♊39	12♎ 6	22°24	29°D42	28°37	13°32	n.a.	S 2
S 3	7 54 2	0♒32'05	13°45	6°14	26°33	29°32	27°44	7°19	22°37	12° 6	22°25	29♏43	28°34	13°38	n.a.	S 3
M 4	7 57 59	1°31'37	25°35	7°39	27°46	29°59	27°58	7°26	22°35	12° 5	22°27	29°R43	28°31	13°45	n.a.	M 4
T 5	8 1 55	2°31'08	7♐21	9° 5	28°59	0♉27	28°12	7°33	22°33	12° 5	22°29	29°43	28°28	13°52	n.a.	T 5
W 6	8 5 52	3°30'36	19° 9	10°33	0♓13	0°55	28°25	7°40	22°32	12° 5	22°30	29°41	28°24	13°58	n.a.	W 6
T 7	8 9 49	4°30'02	1♑ 0	12° 2	1°26	1°22	28°39	7°47	22°30	12° 4	22°32	29°37	28°21	14° 5	n.a.	T 7
F 8	8 13 45	5°29'27	13° 0	13°33	2°39	1°50	28°53	7°54	22°28	12° 4	22°33	29°29	28°18	14°12	n.a.	F 8
S 9	8 17 42	6°28'49	25°11	15° 5	3°53	2°18	29° 6	8° 1	22°26	12° 4	22°35	29°20	28°15	14°18	n.a.	S 9
S 10	8 21 38	7°28'09	7♒33	16°39	5° 6	2°47	29°20	8° 8	22°25	12° 3	22°37	29° 8	28°12	14°25	n.a.	S 10
M11	8 25 35	8°27'26	20° 8	18°14	6°19	3°15	29°34	8°15	22°23	12° 3	22°38	28°56	28° 8	14°32	n.a.	M11
T 12	8 29 31	9°26'42	2♓56	19°50	7°32	3°44	29°48	8°22	22°22	12° 2	22°40	28°43	28° 5	14°38	n.a.	T 12
W13	8 33 28	10°25'55	15°55	21°28	8°45	4°13	0♓ 2	8°29	22°20	12° 2	22°41	28°32	28° 2	14°45	n.a.	W13
T 14	8 37 24	11°25'06	29° 6	23° 7	9°58	4°42	0°16	8°37	22°19	12° 1	22°43	28°24	27°59	14°52	n.a.	T 14
F 15	8 41 21	12°24'14	12♈29	24°47	11°11	5°11	0°30	8°44	22°17	12° 1	22°44	28°18	27°56	14°58	n.a.	F 15
S 16	8 45 18	13°23'20	26° 3	26°29	12°24	5°40	0°44	8°51	22°16	12° 0	22°46	28°15	27°53	15° 5	n.a.	S 16
S 17	8 49 14	14°22'23	9♉49	28°12	13°37	6° 9	0°58	8°59	22°14	11°59	22°47	28°D14	27°49	15°12	n.a.	S 17
M18	8 53 11	15°21'24	23°48	29°56	14°49	6°39	1°12	9° 6	22°13	11°59	22°49	28°R14	27°46	15°18	n.a.	M18
T 19	8 57 7	16°20'23	7♊59	1♒42	16° 2	7° 9	1°26	9°13	22°12	11°58	22°51	28°13	27°43	15°25	n.a.	T 19
W20	9 1 4	17°19'19	22°22	3°29	17°15	7°39	1°40	9°21	22°11	11°57	22°52	28°12	27°40	15°32	n.a.	W20
T 21	9 5 0	18°18'13	6♋53	5°18	18°27	8° 9	1°54	9°28	22°10	11°56	22°54	28° 8	27°37	15°38	n.a.	T 21
F 22	9 8 57	19°17'04	21°29	7° 8	19°40	8°39	2° 8	9°36	22° 9	11°56	22°55	28° 1	27°33	15°45	n.a.	F 22
S 23	9 12 53	20°15'53	6♌ 3	9° 0	20°52	9° 9	2°22	9°43	22° 8	11°55	22°56	27°51	27°30	15°52	n.a.	S 23
S 24	9 16 50	21°14'39	20°27	10°53	22° 5	9°39	2°36	9°51	22° 7	11°54	22°58	27°40	27°27	15°58	n.a.	S 24
M25	9 20 46	22°13'24	4♍37	12°47	23°17	10°10	2°50	9°59	22° 6	11°53	22°59	27°28	27°24	16° 5	n.a.	M25
T 26	9 24 43	23°12'06	18°25	14°43	24°29	10°40	3° 5	10° 6	22° 5	11°52	23° 1	27°17	27°21	16°11	n.a.	T 26
W27	9 28 40	24°10'46	1♎49	16°40	25°41	11°11	3°19	10°14	22° 4	11°51	23° 2	27° 7	27°18	16°18	n.a.	W27
T 28	9 32 36	25♒ 9'25	14♎49	18♒39	26♓54	11♉42	3♓33	10♓22	22♊ 3	11♎50	23♑ 4	27♏ 0	27♏14	16♐25	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20s50	10s49	3s19	24s59	1s 9	14s48	1s 8	12n45	1n40	13s51	1s17	11s15	2s22	24n 5	0n24	2s57	2n 6	35s 2	13s15	20s28	20s14	21s32		n.a.
S 2	20 38	14 33	2 24	25 3	1 16	14 21	1 6	12 54	1 40	13 46	1 17	11 12	2 21	24 5	0 24	2 57	2 6	35 1	13 15	20 28	20 13	21 32		n.a.
S 3	20 25	17 36	1 25	25 6	1 22	13 54	1 4	13 4	1 40	13 41	1 17	11 10	2 21	24 5	0 24	2 56	2 6	35 1	13 15	20 28	20 13	21 32		n.a.
M 4	20 11	19 52	0 22	25 8	1 28	13 27	1 2	13 14	1 40	13 36	1 17	11 7	2 21	24 5	0 24	2 56	2 6	35 1	13 15	20 28	20 12	21 32		n.a.
T 5	19 58	21 16	0n41	25 8	1 34	12 59	1 0	13 24	1 40	13 31	1 17	11 4	2 21	24 4	0 24	2 56	2 6	35 1	13 15	20 28	20 11	21 32		n.a.
W 6	19 44	21 44	1 42	25 6	1 39	12 31	0 58	13 34	1 40	13 27	1 17	11 2	2 21	24 4	0 24	2 56	2 6	35 0	13 15	20 28	20 11	21 32		n.a.
T 7	19 30	21 14	2 39	25 3	1 44	12 2	0 56	13 44	1 40	13 22	1 17	10 59	2 21	24 4	0 24	2 56	2 6	35 0	13 15	20 27	20 10	21 32		n.a.
F 8	19 15	19 46	3 29	24 58	1 48	11 33	0 54	13 54	1 40	13 17	1 17	10 56	2 21	24 4	0 24	2 55	2 6	35 0	13 15	20 25	20 9	21 32		n.a.
S 9	19 0	17 23	4 11	24 52	1 52	11 4	0 52	14 4	1 40	13 12	1 17	10 53	2 21	24 4	0 24	2 55	2 6	35 0	13 15	20 23	20 8	21 32		n.a.
S 10	18 45	14 12	4 41	24 45	1 56	10 35	0 49	14 14	1 40	13 7	1 17	10 50	2 20	24 4	0 24	2 55	2 6	35 0	13 15	20 20	20 8	21 32		n.a.
M11	18 29	10 20	4 59	24 35	1 59	10 5	0 47	14 24	1 40	13 2	1 17	10 48	2 20	24 4	0 24	2 55	2 7	35 0	13 15	20 18	20 7	21 31		n.a.
T 12	18 13	5 57	5 1	24 24	2 2	9 35	0 45	14 34	1 40	12 57	1 16	10 45	2 20	24 4	0 24	2 54	2 7	34 59	13 16	20 15	20 6	21 31		n.a.
W13	17 57	1 14	4 48	24 11	2 4	9 5	0 42	14 44	1 40	12 52	1 16	10 42	2 20	24 4	0 24	2 54	2 7	34 59	13 16	20 12	20 6	21 31		n.a.
T 14	17 41	3n36	4 20	23 56	2 6	8 35	0 40	14 54	1 40	12 46	1 16	10 39	2 20	24 4	0 24	2 54	2 7	34 59	13 16	20 10	20 5	21 31		n.a.
F 15	17 24	8 21	3 37	23 40	2 8	8 4	0 37	15 4	1 40	12 41	1 16	10 36	2 20	24 3	0 24	2 54	2 7	34 59	13 16	20 9	20 4	21 31		n.a.
S 16	17 7	12 45	2 42	23 21	2 9	7 34	0 34	15 14	1 40	12 36	1 16	10 33	2 20	24 3	0 24	2 53	2 7	34 59	13 16	20 8	20 3	21 31		n.a.
S 17	16 49	16 33	1 36	23 1	2 9	7 3	0 32	15 24	1 40	12 31	1 16	10 30	2 20	24 3	0 24	2 53	2 7	34 59	13 16	20 8	20 3	21 31		n.a.
M18	16 32	19 27	0 23	22 39	2 9	6 32	0 29	15 34	1 40	12 26	1 16	10 27	2 20	24 3	0 24	2 53	2 7	34 58	13 16	20 8	20 2	21 31		n.a.
T 19	16 14	21 12	0s52	22 14	2 9	6 1	0 26	15 44	1 40	12 21	1 16	10 24	2 20	24 3	0 24	2 52	2 7	34 58	13 17	20 8	20 1	21 31		n.a.
W20	15 56	21 36	2 4	21 48	2 8	5 29	0 24	15 53	1 40	12 16	1 16	10 21	2 19	24 3	0 24	2 52	2 7	34 58	13 17	20 8	20 0	21 31		n.a.
T 21	15 38	20 33	3 9	21 20	2 6	4 58	0 21	16 3	1 40	12 10	1 16	10 18	2 19	24 3	0 24	2 52	2 7	34 58	13 17	20 7	20 0	21 31		n.a.
F 22	15 19	18 9	4 2	20 50	2 4	4 26	0 18	16 13	1 40	12 5	1 16	10 16	2 19	24 3	0 24	2 51	2 7	34 58	13 17	20 5	19 59	21 30		n.a.
S 23	15 0	14 36	4 40	20 18	2 2	3 55	0 15	16 23	1 40	12 0	1 16	10 13	2 19	24 3	0 24	2 51	2 7	34 58	13 17	20 3	19 58	21 30		n.a.
S 24	14 41	10 14	4 58	19 44	1 59	3 23	0 12	16 33	1 40	11 55	1 16	10 10	2 19	24 3	0 24	2 51	2 7	34 58	13 17	20 0	19 57	21 30		n.a.
M25	14 22	5 23	4 58	19 8	1 55	2 51	0 9	16 43	1 40	11 50	1 16	10 7	2 19	24 3	0 24	2 50	2 7	34 58	13 18	19 58	19 57	21 30		n.a.
T 26	14 2	0 22	4 41	18 29	1 51	2 19	0 6	16 53	1 40	11 44	1 16	10 4	2 19	24 3	0 24	2 50	2 7	34 58	13 18	19 55	19 56	21 30		n.a.
W27	13 43	4s31	4 8	17 49	1 46	1 48	0 3	17 2	1 40	11 39	1 16	10 1	2 19	24 3	0 24	2 49	2 7	34 57	13 18	19 53	19 55	21 30		n.a.
T 28	13s23	9s 3	3s23	17s 7	1s41	1s16	0s 0	17n12	1n40	11s34	1s16	9s58	2s19	24n 2	0n24	2s49	2n 8	34s57	13s18	19s51	19s55	21s30		n.a.

Julian Day Number = 1116965.5, Delta T = 10h46m16s
Ecliptic obliquity = 23°53'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'08, Lahiri = -26°47'08 Julian Calendar 1 Feb. 1655 BCE == Greg. Calendar 18 Jan. 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

MARCH 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 36 33	26♒ 8'01	27♎26	20♒39	28♓ 6	12♉13	3♓47	10♓29	22°R 2	11°R49	23♑ 5	26°R55	27♏11	16♐31	n.a.	F 1
S 2	9 40 29	27° 6'36	9♏43	22°40	29°18	12°44	4° 2	10°37	22♊ 2	11♎48	23° 6	26♏53	27° 8	16°38	n.a.	S 2
S 3	9 44 26	28° 5'09	21°45	24°43	0♈29	13°15	4°16	10°45	22° 1	11°47	23° 8	26°52	27° 5	16°45	n.a.	S 3
M 4	9 48 22	29° 3'40	3♐38	26°47	1°41	13°46	4°30	10°52	22° 0	11°46	23° 9	26°52	27° 2	16°51	n.a.	M 4
T 5	9 52 19	0♓ 2'09	15°26	28°51	2°53	14°18	4°44	11° 0	22° 0	11°45	23°11	26°52	26°59	16°58	n.a.	T 5
W 6	9 56 15	1° 0'37	27°15	0♓57	4° 5	14°49	4°59	11° 8	22° 0	11°44	23°12	26°50	26°55	17° 5	n.a.	W 6
T 7	10 0 12	1°59'03	9♑11	3° 4	5°16	15°21	5°13	11°16	21°59	11°43	23°13	26°45	26°52	17°11	n.a.	T 7
F 8	10 4 8	2°57'27	21°17	5°11	6°28	15°53	5°27	11°23	21°59	11°42	23°15	26°38	26°49	17°18	n.a.	F 8
S 9	10 8 5	3°55'49	3♒36	7°18	7°40	16°24	5°41	11°31	21°58	11°41	23°16	26°28	26°46	17°25	n.a.	S 9
S 10	10 12 2	4°54'09	16°11	9°25	8°51	16°56	5°56	11°39	21°58	11°39	23°17	26°16	26°43	17°31	n.a.	S 10
M11	10 15 58	5°52'27	29° 3	11°33	10° 2	17°28	6°10	11°47	21°58	11°38	23°18	26° 4	26°39	17°38	n.a.	M11
T 12	10 19 55	6°50'44	12♓11	13°40	11°14	18° 0	6°24	11°55	21°58	11°37	23°20	25°51	26°36	17°45	n.a.	T 12
W13	10 23 51	7°48'58	25°33	15°46	12°25	18°33	6°39	12° 3	21°58	11°36	23°21	25°40	26°33	17°51	n.a.	W13
T 14	10 27 48	8°47'10	9♈ 7	17°51	13°36	19° 5	6°53	12°10	21°D58	11°34	23°22	25°31	26°30	17°58	n.a.	T 14
F 15	10 31 44	9°45'21	22°51	19°55	14°47	19°37	7° 7	12°18	21°58	11°33	23°23	25°24	26°27	18° 5	n.a.	F 15
S 16	10 35 41	10°43'29	6♉42	21°57	15°58	20°10	7°21	12°26	21°58	11°32	23°25	25°21	26°24	18°11	n.a.	S 16
S 17	10 39 37	11°41'35	20°40	23°57	17° 9	20°42	7°36	12°34	21°58	11°30	23°26	25°D20	26°20	18°18	n.a.	S 17
M18	10 43 34	12°39'39	4♊42	25°55	18°20	21°15	7°50	12°42	21°58	11°29	23°27	25°20	26°17	18°25	n.a.	M18
T 19	10 47 30	13°37'41	18°49	27°50	19°30	21°48	8° 4	12°50	21°58	11°28	23°28	25°R20	26°14	18°31	n.a.	T 19
W20	10 51 27	14°35'41	2♋59	29°43	20°41	22°21	8°18	12°57	21°59	11°26	23°29	25°19	26°11	18°38	n.a.	W20
T 21	10 55 24	15°33'39	17°11	1♈32	21°51	22°53	8°33	13° 5	21°59	11°25	23°30	25°16	26° 8	18°45	n.a.	T 21
F 22	10 59 20	16°31'35	1♌22	3°19	23° 2	23°26	8°47	13°13	21°59	11°23	23°31	25°10	26° 5	18°51	n.a.	F 22
S 23	11 3 17	17°29'29	15°29	5° 2	24°12	23°59	9° 1	13°21	22° 0	11°22	23°32	25° 1	26° 1	18°58	n.a.	S 23
S 24	11 7 13	18°27'21	29°28	6°41	25°22	24°33	9°15	13°29	22° 0	11°21	23°33	24°51	25°58	19° 5	n.a.	S 24
M25	11 11 10	19°25'11	13♍14	8°17	26°32	25° 6	9°29	13°37	22° 1	11°19	23°34	24°41	25°55	19°11	n.a.	M25
T 26	11 15 6	20°22'59	26°44	9°49	27°42	25°39	9°43	13°44	22° 1	11°18	23°35	24°31	25°52	19°18	n.a.	T 26
W27	11 19 3	21°20'46	9♎55	11°18	28°52	26°12	9°58	13°52	22° 2	11°16	23°36	24°22	25°49	19°24	n.a.	W27
T 28	11 22 59	22°18'31	22°47	12°42	0♉ 2	26°46	10°12	14° 0	22° 3	11°15	23°37	24°15	25°45	19°31	n.a.	T 28
F 29	11 26 56	23°16'15	5♏19	14° 3	1°12	27°19	10°26	14° 8	22° 3	11°13	23°38	24°11	25°42	19°38	n.a.	F 29
S 30	11 30 52	24°13'57	17°34	15°20	2°21	27°53	10°40	14°16	22° 4	11°12	23°39	24°10	25°39	19°44	n.a.	S 30
S 31	11 34 49	25♓11'38	29♏36	16♈32	3♉31	28♉26	10♓54	14♓23	22♊ 5	11♎10	23♑40	24°D10	25♏36	19♐51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	13s 2	13s 4	2s29	16s23	1s35	0s44	0n 3	17n22	1n40	11s28	1s16	9s55	2s19	24n 2	0n24	2s48	2n 8	34s57	13s18	19s50	19s54	21s29		n.a.	F 1
S 2	12 42	16 25	1 30	15 37	1 29	0 12	0 6	17 31	1 39	11 23	1 16	9 52	2 19	24 2	0 24	2 48	2 8	34 57	13 19	19 49	19 53	21 29		n.a.	S 2
S 3	12 22	18 59	0 27	14 49	1 22	0n20	0 9	17 41	1 39	11 18	1 16	9 49	2 19	24 2	0 24	2 48	2 8	34 57	13 19	19 49	19 52	21 29		n.a.	S 3
M 4	12 1	20 41	0n36	13 59	1 14	0 52	0 12	17 51	1 39	11 12	1 15	9 45	2 19	24 2	0 24	2 47	2 8	34 57	13 19	19 49	19 52	21 29		n.a.	M 4
T 5	11 40	21 28	1 37	13 7	1 6	1 24	0 15	18 0	1 39	11 7	1 15	9 42	2 19	24 2	0 24	2 47	2 8	34 57	13 19	19 49	19 51	21 29		n.a.	T 5
W 6	11 19	21 18	2 34	12 14	0 58	1 56	0 19	18 10	1 39	11 2	1 15	9 39	2 19	24 2	0 24	2 46	2 8	34 57	13 19	19 49	19 50	21 29		n.a.	W 6
T 7	10 58	20 10	3 24	11 20	0 49	2 28	0 22	18 19	1 39	10 56	1 15	9 36	2 19	24 2	0 24	2 46	2 8	34 57	13 20	19 48	19 49	21 28		n.a.	T 7
F 8	10 37	18 7	4 6	10 24	0 39	3 0	0 25	18 28	1 39	10 51	1 15	9 33	2 19	24 2	0 24	2 45	2 8	34 57	13 20	19 46	19 49	21 28		n.a.	F 8
S 9	10 15	15 13	4 38	9 27	0 29	3 32	0 28	18 38	1 39	10 46	1 15	9 30	2 19	24 2	0 24	2 45	2 8	34 57	13 20	19 44	19 48	21 28		n.a.	S 9
S 10	9 53	11 34	4 56	8 29	0 19	4 3	0 31	18 47	1 39	10 40	1 15	9 27	2 19	24 2	0 24	2 44	2 8	34 57	13 20	19 41	19 47	21 28		n.a.	S 10
M11	9 32	7 20	5 0	7 30	0 9	4 35	0 35	18 56	1 39	10 35	1 15	9 24	2 19	24 2	0 24	2 44	2 8	34 57	13 21	19 38	19 46	21 28		n.a.	M11
T 12	9 10	2 41	4 49	6 31	0n 2	5 6	0 38	19 5	1 38	10 29	1 15	9 21	2 19	24 2	0 24	2 43	2 8	34 57	13 21	19 35	19 46	21 27		n.a.	T 12
W13	8 48	2n11	4 21	5 31	0 13	5 37	0 41	19 14	1 38	10 24	1 15	9 18	2 19	24 2	0 24	2 43	2 8	34 57	13 21	19 32	19 45	21 27		n.a.	W13
T 14	8 26	7 1	3 39	4 31	0 24	6 9	0 44	19 23	1 38	10 19	1 15	9 15	2 19	24 2	0 24	2 42	2 8	34 57	13 21	19 30	19 44	21 27		n.a.	T 14
F 15	8 3	11 34	2 43	3 32	0 35	6 40	0 48	19 32	1 38	10 13	1 15	9 12	2 19	24 2	0 24	2 41	2 8	34 57	13 22	19 28	19 43	21 27		n.a.	F 15
S 16	7 41	15 32	1 37	2 33	0 46	7 11	0 51	19 41	1 38	10 8	1 15	9 9	2 19	24 2	0 24	2 41	2 8	34 57	13 22	19 27	19 43	21 27		n.a.	S 16
S 17	7 18	18 39	0 25	1 34	0 57	7 41	0 54	19 50	1 38	10 2	1 15	9 6	2 19	24 2	0 24	2 40	2 8	34 57	13 22	19 27	19 42	21 26		n.a.	S 17
M18	6 56	20 40	0s50	0 37	1 8	8 12	0 57	19 59	1 38	9 57	1 15	9 3	2 19	24 2	0 24	2 40	2 8	34 57	13 22	19 27	19 41	21 26		n.a.	M18
T 19	6 33	21 23	2 1	0n19	1 19	8 42	1 1	20 7	1 38	9 52	1 15	9 0	2 19	24 2	0 24	2 39	2 8	34 57	13 23	19 27	19 40	21 26		n.a.	T 19
W20	6 11	20 45	3 6	1 14	1 29	9 12	1 4	20 16	1 37	9 46	1 15	8 57	2 19	24 2	0 24	2 39	2 8	34 57	13 23	19 27	19 40	21 26		n.a.	W20
T 21	5 48	18 48	3 59	2 8	1 39	9 42	1 7	20 24	1 37	9 41	1 15	8 54	2 19	24 2	0 24	2 38	2 8	34 57	13 23	19 26	19 39	21 25		n.a.	T 21
F 22	5 25	15 43	4 37	2 59	1 48	10 12	1 10	20 33	1 37	9 35	1 15	8 50	2 19	24 2	0 24	2 37	2 8	34 57	13 24	19 25	19 38	21 25		n.a.	F 22
S 23	5 2	11 44	4 59	3 49	1 57	10 41	1 13	20 41	1 37	9 30	1 15	8 47	2 19	24 2	0 24	2 37	2 8	34 58	13 24	19 23	19 37	21 25		n.a.	S 23
S 24	4 39	7 10	5 2	4 37	2 5	11 10	1 16	20 49	1 37	9 24	1 15	8 44	2 19	24 2	0 24	2 36	2 8	34 58	13 24	19 20	19 36	21 25		n.a.	S 24
M25	4 16	2 18	4 47	5 22	2 13	11 39	1 20	20 57	1 37	9 19	1 15	8 41	2 19	24 2	0 24	2 36	2 9	34 58	13 24	19 18	19 36	21 24		n.a.	M25
T 26	3 53	2s36	4 17	6 6	2 20	12 8	1 23	21 5	1 37	9 14	1 15	8 38	2 19	24 2	0 24	2 35	2 9	34 58	13 25	19 15	19 35	21 24		n.a.	T 26
W27	3 30	7 15	3 33	6 47	2 26	12 36	1 26	21 13	1 36	9 8	1 16	8 35	2 19	24 2	0 24	2 34	2 9	34 58	13 25	19 13	19 34	21 24		n.a.	W27
T 28	3 6	11 29	2 40	7 25	2 31	13 4	1 29	21 21	1 36	9 3	1 16	8 32	2 19	24 2	0 24	2 34	2 9	34 58	13 25	19 11	19 33	21 24		n.a.	T 28
F 29	2 43	15 5	1 39	8 2	2 36	13 32	1 32	21 29	1 36	8 57	1 16	8 29	2 19	24 2	0 24	2 33	2 9	34 58	13 26	19 10	19 33	21 23		n.a.	F 29
S 30	2 20	17 57	0 35	8 36	2 40	14 0	1 35	21 37	1 36	8 52	1 16	8 26	2 19	24 2	0 24	2 32	2 9	34 58	13 26	19 10	19 32	21 23		n.a.	S 30
S 31	1s57	19s58	0n29	9n 7	2n43	14n27	1n38	21n44	1n36	8s47	1s16	8s23	2s19	24n 2	0n24	2s32	2n 9	34s58	13s26	19s10	19s31	21s23		n.a.	S 31

Julian Day Number = 1116993.5, Delta T = 10h46m14s
Ecliptic obliquity = 23°53'11, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'04, Lahiri = -26°47'04 Julian Calendar 1 March 1655 BCE == Greg. Calendar 15 Feb. 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

APRIL 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 38 46	26♓ 9'18	11♐30	17♈41	4♉40	29♉ 0	11♓ 8	14♓31	22♊ 6	11°R 9	23♑41	24♏10	25♏33	19♐58	n.a.	M 1
T 2	11 42 42	27° 6'57	23°19	18°45	5°50	29°34	11°22	14°39	22° 7	11♎ 7	23°42	24°R11	25°30	20° 4	n.a.	T 2
W 3	11 46 39	28° 4'34	5♑10	19°45	6°59	0♊ 8	11°36	14°47	22° 8	11° 5	23°43	24°11	25°26	20°11	n.a.	W 3
T 4	11 50 35	29° 2'11	17° 8	20°40	8° 8	0°42	11°50	14°54	22° 9	11° 4	23°44	24° 9	25°23	20°18	n.a.	T 4
F 5	11 54 32	29°59'46	29°17	21°32	9°17	1°16	12° 4	15° 2	22°10	11° 2	23°44	24° 5	25°20	20°24	n.a.	F 5
S 6	11 58 28	0♈57'20	11♒41	22°18	10°26	1°50	12°18	15°10	22°11	11° 1	23°45	23°59	25°17	20°31	n.a.	S 6
S 7	12 2 25	1°54'52	24°25	23° 1	11°34	2°24	12°31	15°17	22°13	10°59	23°46	23°52	25°14	20°38	n.a.	S 7
M 8	12 6 21	2°52'24	7♓28	23°39	12°43	2°58	12°45	15°25	22°14	10°57	23°47	23°43	25°10	20°44	n.a.	M 8
T 9	12 10 18	3°49'54	20°52	24°12	13°51	3°32	12°59	15°33	22°15	10°56	23°47	23°35	25° 7	20°51	n.a.	T 9
W10	12 14 15	4°47'24	4♈35	24°40	15° 0	4° 6	13°13	15°40	22°17	10°54	23°48	23°27	25° 4	20°58	n.a.	W10
T 11	12 18 11	5°44'51	18°33	25° 4	16° 8	4°41	13°26	15°48	22°18	10°53	23°49	23°21	25° 1	21° 4	n.a.	T 11
F 12	12 22 8	6°42'18	2♉42	25°23	17°16	5°15	13°40	15°55	22°19	10°51	23°49	23°17	24°58	21°11	n.a.	F 12
S 13	12 26 4	7°39'44	16°58	25°37	18°24	5°50	13°54	16° 3	22°21	10°49	23°50	23°D16	24°55	21°18	n.a.	S 13
S 14	12 30 1	8°37'08	1♊16	25°46	19°32	6°24	14° 7	16°10	22°23	10°48	23°51	23°16	24°51	21°24	n.a.	S 14
M15	12 33 57	9°34'30	15°34	25°51	20°40	6°59	14°21	16°18	22°24	10°46	23°51	23°17	24°48	21°31	n.a.	M15
T 16	12 37 54	10°31'52	29°49	25°R51	21°47	7°33	14°34	16°25	22°26	10°45	23°52	23°18	24°45	21°38	n.a.	T 16
W17	12 41 50	11°29'12	13♋58	25°47	22°55	8° 8	14°48	16°32	22°28	10°43	23°52	23°R18	24°42	21°44	n.a.	W17
T 18	12 45 47	12°26'31	28° 1	25°38	24° 2	8°43	15° 1	16°40	22°29	10°41	23°53	23°17	24°39	21°51	n.a.	T 18
F 19	12 49 44	13°23'48	11♌55	25°25	25° 9	9°18	15°15	16°47	22°31	10°40	23°53	23°14	24°36	21°58	n.a.	F 19
S 20	12 53 40	14°21'04	25°39	25° 8	26°16	9°53	15°28	16°54	22°33	10°38	23°54	23°10	24°32	22° 4	n.a.	S 20
S 21	12 57 37	15°18'19	9♍12	24°47	27°23	10°27	15°41	17° 2	22°35	10°36	23°54	23° 5	24°29	22°11	n.a.	S 21
M22	13 1 33	16°15'32	22°33	24°23	28°29	11° 2	15°55	17° 9	22°37	10°35	23°55	22°59	24°26	22°18	n.a.	M22
T 23	13 5 30	17°12'45	5♎39	23°57	29°36	11°37	16° 8	17°16	22°39	10°33	23°55	22°53	24°23	22°24	n.a.	T 23
W24	13 9 26	18° 9'57	18°30	23°27	0♊42	12°13	16°21	17°23	22°41	10°32	23°55	22°48	24°20	22°31	n.a.	W24
T 25	13 13 23	19° 7'08	1♏ 6	22°56	1°48	12°48	16°34	17°30	22°43	10°30	23°56	22°45	24°16	22°38	n.a.	T 25
F 26	13 17 19	20° 4'19	13°28	22°24	2°54	13°23	16°47	17°37	22°45	10°28	23°56	22°43	24°13	22°44	n.a.	F 26
S 27	13 21 16	21° 1'28	25°37	21°50	3°59	13°58	17° 0	17°44	22°47	10°27	23°56	22°D42	24°10	22°51	n.a.	S 27
S 28	13 25 13	21°58'38	7♐36	21°17	5° 5	14°33	17°13	17°51	22°49	10°25	23°57	22°43	24° 7	22°58	n.a.	S 28
M29	13 29 9	22°55'46	19°29	20°43	6°10	15° 9	17°26	17°58	22°52	10°24	23°57	22°45	24° 4	23° 4	n.a.	M29
T 30	13 33 6	23♈52'55	1♑18	20♈11	7♊15	15♊44	17♓38	18♓ 5	22♊54	10♎22	23♑57	22♏47	24♏ 1	23♐11	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1s33	21s 4	1n32	9n36	2n45	14n53	1n41	21n52	1n36	8s41	1s16	8s20	2s19	24n 2	0n24	2s31	2n 9	34s59	13s27	19s10	19s30	21s22		n.a.
T 2	1 10	21 13	2 30	10 2	2 47	15 20	1 43	21 59	1 35	8 36	1 16	8 17	2 19	24 2	0 24	2 31	2 9	34 59	13 27	19 10	19 30	21 22		n.a.
W 3	0 47	20 25	3 22	10 26	2 47	15 46	1 46	22 6	1 35	8 30	1 16	8 14	2 19	24 2	0 24	2 30	2 9	34 59	13 27	19 10	19 29	21 22		n.a.
T 4	0 23	18 42	4 5	10 47	2 47	16 12	1 49	22 13	1 35	8 25	1 16	8 11	2 19	24 2	0 24	2 29	2 9	34 59	13 28	19 10	19 28	21 21		n.a.
F 5	0 0	16 8	4 39	11 5	2 45	16 37	1 52	22 21	1 35	8 20	1 16	8 8	2 19	24 2	0 24	2 29	2 9	34 59	13 28	19 9	19 27	21 21		n.a.
S 6	0n23	12 48	5 0	11 21	2 43	17 2	1 54	22 27	1 35	8 14	1 16	8 5	2 19	24 3	0 23	2 28	2 9	34 59	13 28	19 7	19 26	21 21		n.a.
S 7	0 47	8 49	5 7	11 34	2 39	17 26	1 57	22 34	1 35	8 9	1 16	8 2	2 19	24 3	0 23	2 27	2 9	35 0	13 29	19 5	19 26	21 21		n.a.
M 8	1 10	4 19	4 58	11 44	2 35	17 50	1 59	22 41	1 34	8 4	1 16	7 59	2 20	24 3	0 23	2 27	2 9	35 0	13 29	19 3	19 25	21 20		n.a.
T 9	1 33	0n29	4 33	11 52	2 30	18 14	2 2	22 48	1 34	7 58	1 16	7 56	2 20	24 3	0 23	2 26	2 9	35 0	13 29	19 1	19 24	21 20		n.a.
W10	1 56	5 23	3 52	11 56	2 23	18 37	2 4	22 54	1 34	7 53	1 16	7 54	2 20	24 3	0 23	2 25	2 9	35 0	13 30	18 59	19 23	21 20		n.a.
T 11	2 19	10 6	2 56	11 58	2 16	19 0	2 7	23 0	1 34	7 48	1 16	7 51	2 20	24 3	0 23	2 25	2 9	35 0	13 30	18 58	19 23	21 19		n.a.
F 12	2 43	14 20	1 49	11 58	2 7	19 22	2 9	23 7	1 34	7 42	1 16	7 48	2 20	24 3	0 23	2 24	2 9	35 0	13 30	18 57	19 22	21 19		n.a.
S 13	3 6	17 45	0 34	11 54	1 58	19 44	2 11	23 13	1 33	7 37	1 16	7 45	2 20	24 3	0 23	2 24	2 9	35 1	13 31	18 56	19 21	21 18		n.a.
S 14	3 29	20 6	0s43	11 48	1 47	20 5	2 14	23 19	1 33	7 32	1 16	7 42	2 20	24 3	0 23	2 23	2 9	35 1	13 31	18 56	19 20	21 18		n.a.
M15	3 52	21 8	1 58	11 39	1 36	20 26	2 16	23 24	1 33	7 27	1 16	7 39	2 20	24 3	0 23	2 22	2 9	35 1	13 31	18 56	19 19	21 18		n.a.
T 16	4 15	20 48	3 5	11 28	1 24	20 46	2 18	23 30	1 33	7 21	1 17	7 36	2 20	24 3	0 23	2 22	2 9	35 1	13 32	18 57	19 19	21 17		n.a.
W17	4 37	19 9	4 0	11 14	1 10	21 5	2 20	23 36	1 33	7 16	1 17	7 33	2 20	24 3	0 23	2 21	2 9	35 2	13 32	18 57	19 18	21 17		n.a.
T 18	5 0	16 22	4 41	10 58	0 56	21 25	2 21	23 41	1 32	7 11	1 17	7 31	2 21	24 3	0 23	2 20	2 9	35 2	13 32	18 56	19 17	21 17		n.a.
F 19	5 23	12 40	5 4	10 39	0 41	21 43	2 23	23 46	1 32	7 6	1 17	7 28	2 21	24 4	0 23	2 20	2 9	35 2	13 33	18 56	19 16	21 16		n.a.
S 20	5 46	8 21	5 10	10 18	0 26	22 1	2 25	23 52	1 32	7 1	1 17	7 25	2 21	24 4	0 23	2 19	2 9	35 2	13 33	18 55	19 15	21 16		n.a.
S 21	6 8	3 40	4 58	9 56	0 10	22 19	2 27	23 57	1 32	6 55	1 17	7 22	2 21	24 4	0 23	2 18	2 9	35 3	13 33	18 53	19 15	21 16		n.a.
M22	6 31	1s 7	4 30	9 32	0s 6	22 36	2 28	24 2	1 31	6 50	1 17	7 19	2 21	24 4	0 23	2 18	2 9	35 3	13 34	18 52	19 14	21 15		n.a.
T 23	6 53	5 46	3 49	9 6	0 23	22 52	2 30	24 6	1 31	6 45	1 17	7 17	2 21	24 4	0 23	2 17	2 9	35 3	13 34	18 50	19 13	21 15		n.a.
W24	7 15	10 5	2 56	8 39	0 40	23 8	2 31	24 11	1 31	6 40	1 17	7 14	2 21	24 4	0 23	2 16	2 9	35 3	13 34	18 49	19 12	21 14		n.a.
T 25	7 37	13 52	1 55	8 12	0 57	23 23	2 32	24 15	1 31	6 35	1 17	7 11	2 21	24 4	0 23	2 16	2 9	35 4	13 35	18 48	19 11	21 14		n.a.
F 26	7 59	16 58	0 50	7 44	1 14	23 38	2 33	24 20	1 31	6 30	1 17	7 9	2 21	24 4	0 23	2 15	2 9	35 4	13 35	18 48	19 11	21 14		n.a.
S 27	8 21	19 16	0n16	7 16	1 30	23 52	2 34	24 24	1 30	6 25	1 17	7 6	2 22	24 4	0 23	2 15	2 9	35 4	13 36	18 48	19 10	21 13		n.a.
S 28	8 43	20 39	1 21	6 48	1 47	24 5	2 35	24 28	1 30	6 20	1 18	7 3	2 22	24 4	0 23	2 14	2 9	35 5	13 36	18 48	19 9	21 13		n.a.
M29	9 5	21 6	2 22	6 21	2 2	24 18	2 36	24 32	1 30	6 15	1 18	7 1	2 22	24 5	0 23	2 13	2 9	35 5	13 36	18 48	19 8	21 12		n.a.
T 30	9n26	20s37	3n16	5n55	2s17	24n30	2n37	24n36	1n30	6s10	1s18	6s58	2s22	24n 5	0n23	2s13	2n 9	35s 5	13s37	18s49	19s 7	21s12		n.a.

Julian Day Number = 1117024.5, Delta T = 10h46m12s
Ecliptic obliquity = 23°53'11, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°54'00, Lahiri = -26°47'00 Julian Calendar 1 Apr. 1655 BCE == Greg. Calendar 18 March 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

MAY 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 37 2	24♈50'03	13♉ 9	19°R40	8♊20	16♊20	17♓51	18♓12	22♊56	10°R21	23♉57	22♏48	23♏57	23♐18	n.a.	W 1
T 2	13 40 59	25°47'10	25° 7	19♈10	9°25	16°55	18° 4	18°19	22°59	10♎19	23°58	22°R49	23°54	23°24	n.a.	T 2
F 3	13 44 55	26°44'18	7♒17	18°44	10°30	17°31	18°17	18°26	23° 1	10°17	23°58	22°48	23°51	23°31	n.a.	F 3
S 4	13 48 52	27°41'25	19°42	18°20	11°34	18° 6	18°29	18°32	23° 4	10°16	23°58	22°46	23°48	23°38	n.a.	S 4
S 5	13 52 48	28°38'31	2♓27	18° 0	12°38	18°42	18°42	18°39	23° 6	10°14	23°58	22°44	23°45	23°44	n.a.	S 5
M 6	13 56 45	29°35'38	15°35	17°43	13°42	19°18	18°54	18°46	23° 9	10°13	23°58	22°41	23°41	23°51	n.a.	M 6
T 7	14 0 42	0♉32'44	29° 7	17°30	14°45	19°53	19° 6	18°52	23°11	10°11	23°58	22°38	23°38	23°58	n.a.	T 7
W 8	14 4 38	1°29'51	13♈ 2	17°21	15°49	20°29	19°19	18°59	23°14	10°10	23°58	22°35	23°35	24° 4	n.a.	W 8
T 9	14 8 35	2°26'57	27°17	17°D17	16°52	21° 5	19°31	19° 5	23°16	10° 8	23°R58	22°33	23°32	24°11	n.a.	T 9
F 10	14 12 31	3°24'02	11♉48	17°17	17°55	21°41	19°43	19°12	23°19	10° 7	23°58	22°31	23°29	24°18	n.a.	F 10
S 11	14 16 28	4°21'08	26°29	17°22	18°57	22°17	19°55	19°18	23°22	10° 5	23°58	22°D31	23°26	24°24	n.a.	S 11
S 12	14 20 24	5°18'13	11♊12	17°31	20° 0	22°53	20° 7	19°24	23°25	10° 4	23°58	22°32	23°22	24°31	n.a.	S 12
M13	14 24 21	6°15'18	25°53	17°45	21° 2	23°29	20°19	19°31	23°27	10° 3	23°58	22°33	23°19	24°38	n.a.	M13
T 14	14 28 18	7°12'22	10♋24	18° 4	22° 4	24° 5	20°31	19°37	23°30	10° 1	23°58	22°34	23°16	24°44	n.a.	T 14
W15	14 32 14	8° 9'26	24°43	18°28	23° 5	24°41	20°42	19°43	23°33	10° 0	23°58	22°35	23°13	24°51	n.a.	W15
T 16	14 36 11	9° 6'29	8♌47	18°56	24° 6	25°17	20°54	19°49	23°36	9°58	23°58	22°R35	23°10	24°58	n.a.	T 16
F 17	14 40 7	10° 3'32	22°34	19°29	25° 7	25°54	21° 6	19°55	23°39	9°57	23°57	22°35	23° 7	25° 4	n.a.	F 17
S 18	14 44 4	11° 0'35	6♍ 4	20° 6	26° 8	26°30	21°17	20° 1	23°42	9°56	23°57	22°34	23° 3	25°11	n.a.	S 18
S 19	14 48 0	11°57'37	19°19	20°48	27° 8	27° 6	21°29	20° 7	23°45	9°54	23°57	22°33	23° 0	25°18	n.a.	S 19
M20	14 51 57	12°54'40	2♎17	21°35	28° 8	27°43	21°40	20°12	23°48	9°53	23°57	22°32	22°57	25°24	n.a.	M20
T 21	14 55 53	13°51'42	15° 2	22°26	29° 7	28°19	21°51	20°18	23°51	9°52	23°57	22°30	22°54	25°31	n.a.	T 21
W22	14 59 50	14°48'44	27°33	23°21	0♋ 7	28°56	22° 2	20°24	23°54	9°51	23°56	22°30	22°51	25°38	n.a.	W22
T 23	15 3 47	15°45'46	9♏53	24°21	1° 5	29°32	22°13	20°29	23°57	9°49	23°56	22°29	22°47	25°44	n.a.	T 23
F 24	15 7 43	16°42'48	22° 2	25°25	2° 4	0♋ 9	22°24	20°35	24° 0	9°48	23°56	22°D29	22°44	25°51	n.a.	F 24
S 25	15 11 40	17°39'51	4♐ 3	26°33	3° 2	0°45	22°35	20°41	24° 3	9°47	23°55	22°29	22°41	25°58	n.a.	S 25
S 26	15 15 36	18°36'54	15°57	27°46	3°59	1°22	22°46	20°46	24° 7	9°46	23°55	22°29	22°38	26° 4	n.a.	S 26
M27	15 19 33	19°33'57	27°47	29° 2	4°56	1°59	22°57	20°51	24°10	9°45	23°55	22°30	22°35	26°11	n.a.	M27
T 28	15 23 29	20°31'01	9♑36	0♉23	5°53	2°35	23° 7	20°56	24°13	9°43	23°54	22°30	22°32	26°18	n.a.	T 28
W29	15 27 26	21°28'06	21°28	1°47	6°49	3°12	23°18	21° 2	24°16	9°42	23°54	22°30	22°28	26°24	n.a.	W29
T 30	15 31 23	22°25'11	3♒26	3°15	7°45	3°49	23°28	21° 7	24°20	9°41	23°53	22°R30	22°25	26°31	n.a.	T 30
F 31	15 35 19	23♉22'16	15♒35	4♉48	8♋40	4♋26	23♓38	21♓12	24♊23	9♎40	23♉53	22♏30	22♏22	26♐38	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	9n47	19s12	4n 2	5n30	2s31	24n42	2n38	24n39	1n29	6s 5	1s18	6s55	2s22	24n 5	0n23	2s12	2n 9	35s 6	13s37	18s49	19s 7	21s11			n.a.
T 2	10 9	16 56	4 39	5 7	2 44	24 53	2 38	24 43	1 29	6 0	1 18	6 53	2 22	24 5	0 23	2 12	2 9	35 6	13 37	18 49	19 6	21 11			n.a.
F 3	10 30	13 55	5 3	4 46	2 56	25 3	2 39	24 46	1 29	5 55	1 18	6 50	2 23	24 5	0 23	2 11	2 9	35 6	13 38	18 49	19 5	21 11			n.a.
S 4	10 51	10 13	5 14	4 27	3 7	25 13	2 39	24 49	1 29	5 50	1 18	6 48	2 23	24 5	0 23	2 10	2 9	35 6	13 38	18 49	19 4	21 10			n.a.
S 5	11 12	5 59	5 10	4 10	3 17	25 22	2 39	24 52	1 28	5 45	1 18	6 45	2 23	24 5	0 23	2 10	2 9	35 7	13 38	18 48	19 3	21 10			n.a.
M 6	11 32	1 21	4 50	3 56	3 25	25 30	2 39	24 55	1 28	5 40	1 18	6 43	2 23	24 5	0 23	2 9	2 9	35 7	13 39	18 47	19 3	21 9			n.a.
T 7	11 53	3n30	4 13	3 44	3 32	25 38	2 39	24 57	1 28	5 35	1 19	6 40	2 23	24 6	0 23	2 9	2 9	35 8	13 39	18 46	19 2	21 9			n.a.
W 8	12 13	8 19	3 21	3 35	3 38	25 45	2 39	25 0	1 28	5 31	1 19	6 38	2 23	24 6	0 23	2 8	2 8	35 8	13 40	18 46	19 1	21 8			n.a.
T 9	12 33	12 47	2 15	3 29	3 43	25 51	2 39	25 2	1 27	5 26	1 19	6 35	2 24	24 6	0 23	2 8	2 8	35 8	13 40	18 45	19 0	21 8			n.a.
F 10	12 53	16 35	0 59	3 26	3 47	25 57	2 38	25 4	1 27	5 21	1 19	6 33	2 24	24 6	0 23	2 7	2 8	35 9	13 40	18 45	18 59	21 7			n.a.
S 11	13 12	19 22	0s22	3 25	3 49	26 2	2 38	25 6	1 27	5 16	1 19	6 31	2 24	24 6	0 23	2 6	2 8	35 9	13 41	18 45	18 59	21 7			n.a.
S 12	13 32	20 52	1 42	3 28	3 50	26 7	2 37	25 8	1 27	5 12	1 19	6 28	2 24	24 6	0 23	2 6	2 8	35 9	13 41	18 45	18 58	21 6			n.a.
M13	13 51	20 55	2 54	3 33	3 51	26 10	2 36	25 10	1 26	5 7	1 19	6 26	2 24	24 6	0 23	2 5	2 8	35 10	13 41	18 45	18 57	21 6			n.a.
T 14	14 10	19 34	3 55	3 41	3 50	26 13	2 35	25 11	1 26	5 2	1 19	6 24	2 24	24 7	0 23	2 5	2 8	35 10	13 42	18 45	18 56	21 5			n.a.
W15	14 29	16 59	4 40	3 52	3 48	26 16	2 34	25 12	1 26	4 58	1 20	6 21	2 25	24 7	0 23	2 4	2 8	35 10	13 42	18 46	18 55	21 5			n.a.
T 16	14 48	13 27	5 8	4 6	3 45	26 18	2 33	25 14	1 26	4 53	1 20	6 19	2 25	24 7	0 23	2 4	2 8	35 11	13 42	18 46	18 55	21 4			n.a.
F 17	15 6	9 16	5 17	4 22	3 41	26 19	2 31	25 15	1 25	4 49	1 20	6 17	2 25	24 7	0 23	2 3	2 8	35 11	13 43	18 46	18 54	21 4			n.a.
S 18	15 24	4 41	5 8	4 41	3 36	26 19	2 30	25 15	1 25	4 44	1 20	6 15	2 25	24 7	0 23	2 3	2 8	35 12	13 43	18 45	18 53	21 3			n.a.
S 19	15 42	0s 1	4 43	5 2	3 30	26 19	2 28	25 16	1 25	4 40	1 20	6 12	2 25	24 7	0 23	2 2	2 8	35 12	13 43	18 45	18 52	21 3			n.a.
M20	16 0	4 39	4 4	5 26	3 24	26 19	2 26	25 16	1 25	4 35	1 20	6 10	2 26	24 7	0 23	2 2	2 8	35 12	13 44	18 45	18 51	21 2			n.a.
T 21	16 18	8 59	3 13	5 51	3 16	26 17	2 24	25 17	1 24	4 31	1 21	6 8	2 26	24 7	0 23	2 1	2 8	35 13	13 44	18 44	18 50	21 2			n.a.
W22	16 35	12 52	2 14	6 19	3 9	26 15	2 22	25 17	1 24	4 27	1 21	6 6	2 26	24 8	0 23	2 1	2 8	35 13	13 44	18 44	18 50	21 1			n.a.
T 23	16 52	16 9	1 9	6 50	3 0	26 13	2 20	25 17	1 24	4 22	1 21	6 4	2 26	24 8	0 23	2 0	2 8	35 13	13 45	18 44	18 49	21 1			n.a.
F 24	17 9	18 39	0 2	7 22	2 51	26 9	2 17	25 17	1 23	4 18	1 21	6 2	2 26	24 8	0 23	2 0	2 8	35 14	13 45	18 44	18 48	21 0			n.a.
S 25	17 25	20 18	1n 4	7 56	2 41	26 5	2 14	25 16	1 23	4 14	1 21	6 0	2 27	24 8	0 23	2 0	2 8	35 14	13 46	18 44	18 47	21 0			n.a.
S 26	17 41	21 2	2 7	8 32	2 31	26 1	2 12	25 16	1 23	4 10	1 21	5 58	2 27	24 8	0 23	1 59	2 8	35 15	13 46	18 44	18 46	20 59			n.a.
M27	17 57	20 48	3 4	9 9	2 20	25 56	2 9	25 15	1 23	4 6	1 21	5 56	2 27	24 8	0 23	1 59	2 8	35 15	13 46	18 44	18 46	20 59			n.a.
T 28	18 13	19 39	3 53	9 48	2 9	25 50	2 5	25 14	1 22	4 2	1 22	5 54	2 27	24 8	0 23	1 58	2 8	35 16	13 47	18 44	18 45	20 58			n.a.
W29	18 28	17 39	4 32	10 29	1 58	25 44	2 2	25 13	1 22	3 57	1 22	5 52	2 28	24 9	0 23	1 58	2 8	35 16	13 47	18 44	18 44	20 58			n.a.
T 30	18 43	14 53	5 0	11 10	1 46	25 38	1 58	25 11	1 22	3 53	1 22	5 51	2 28	24 9	0 23	1 57	2 8	35 16	13 47	18 44	18 43	20 57			n.a.
F 31	18n58	11s27	5n15	11n53	1s34	25n30	1n55	25n10	1n21	3s49	1s22	5s49	2s28	24n 9	0n23	1s57	2n 8	35s17	13s48	18s44	18s42	20s56			n.a.

Julian Day Number = 1117054.5, Delta T = 10h46m10s
Ecliptic obliquity = 23°53'10, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'56, Lahiri = -26°46'56 Julian Calendar 1 May 1655 BCE == Greg. Calendar 17 Apr. 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

JUNE 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 39 16	24♉19'23	27♒58	6♉23	9♋35	5♋ 3	23♓49	21♓17	24♊26	9°R39	23°R52	22°D30	22♏19	26♐44	n.a.	S 1
S 2	15 43 12	25°16'30	10♓41	8° 3	10°29	5°40	23°59	21°22	24°30	9♎38	23♑52	22♏30	22°16	26°51	n.a.	S 2
M 3	15 47 9	26°13'37	23°46	9°46	11°23	6°17	24° 9	21°26	24°33	9°37	23°51	22°30	22°13	26°58	n.a.	M 3
T 4	15 51 5	27°10'46	7♈16	11°32	12°16	6°54	24°18	21°31	24°36	9°36	23°51	22°31	22° 9	27° 4	n.a.	T 4
W 5	15 55 2	28° 7'56	21°12	13°22	13° 9	7°31	24°28	21°36	24°40	9°35	23°50	22°31	22° 6	27°11	n.a.	W 5
T 6	15 58 58	29° 5'06	5♉34	15°14	14° 1	8° 8	24°38	21°40	24°43	9°34	23°49	22°32	22° 3	27°18	n.a.	T 6
F 7	16 2 55	0♊ 2'17	20°16	17° 9	14°52	8°46	24°47	21°45	24°47	9°33	23°49	22°R32	22° 0	27°24	n.a.	F 7
S 8	16 6 52	0°59'29	5♊13	19° 7	15°43	9°23	24°57	21°49	24°50	9°33	23°48	22°32	21°57	27°31	n.a.	S 8
S 9	16 10 48	1°56'42	20°18	21° 7	16°33	10° 0	25° 6	21°54	24°54	9°32	23°47	22°31	21°53	27°38	n.a.	S 9
M10	16 14 45	2°53'55	5♋20	23° 9	17°22	10°38	25°15	21°58	24°57	9°31	23°47	22°30	21°50	27°44	n.a.	M10
T 11	16 18 41	3°51'09	20°12	25°12	18°11	11°15	25°24	22° 2	25° 1	9°30	23°46	22°29	21°47	27°51	n.a.	T 11
W12	16 22 38	4°48'24	4♌46	27°17	18°59	11°53	25°33	22° 6	25° 4	9°29	23°45	22°28	21°44	27°58	n.a.	W12
T 13	16 26 34	5°45'39	18°59	29°22	19°46	12°30	25°42	22°10	25° 8	9°29	23°44	22°27	21°41	28° 4	n.a.	T 13
F 14	16 30 31	6°42'54	2♍49	1♊28	20°33	13° 8	25°50	22°14	25°11	9°28	23°44	22°D26	21°38	28°11	n.a.	F 14
S 15	16 34 28	7°40'10	16°15	3°35	21°18	13°45	25°59	22°18	25°15	9°27	23°43	22°26	21°34	28°18	n.a.	S 15
S 16	16 38 24	8°37'27	29°20	5°41	22° 3	14°23	26° 7	22°21	25°19	9°27	23°42	22°27	21°31	28°24	n.a.	S 16
M17	16 42 21	9°34'45	12♎ 5	7°48	22°46	15° 1	26°16	22°25	25°22	9°26	23°41	22°28	21°28	28°31	n.a.	M17
T 18	16 46 17	10°32'03	24°34	9°54	23°29	15°38	26°24	22°28	25°26	9°25	23°40	22°30	21°25	28°38	n.a.	T 18
W19	16 50 14	11°29'22	6♏50	11°59	24°11	16°16	26°32	22°32	25°30	9°25	23°40	22°31	21°22	28°44	n.a.	W19
T 20	16 54 10	12°26'42	18°56	14° 3	24°52	16°54	26°39	22°35	25°33	9°24	23°39	22°R32	21°18	28°51	n.a.	T 20
F 21	16 58 7	13°24'03	0♐54	16° 7	25°31	17°32	26°47	22°38	25°37	9°24	23°38	22°31	21°15	28°58	n.a.	F 21
S 22	17 2 3	14°21'26	12°48	18° 9	26°10	18°10	26°55	22°42	25°41	9°23	23°37	22°30	21°12	29° 4	n.a.	S 22
S 23	17 6 0	15°18'49	24°38	20°10	26°48	18°48	27° 2	22°45	25°44	9°23	23°36	22°28	21° 9	29°11	n.a.	S 23
M24	17 9 57	16°16'14	6♑28	22°10	27°24	19°26	27° 9	22°48	25°48	9°23	23°35	22°24	21° 6	29°18	n.a.	M24
T 25	17 13 53	17°13'40	18°19	24° 8	27°59	20° 4	27°17	22°50	25°52	9°22	23°34	22°20	21° 3	29°24	n.a.	T 25
W26	17 17 50	18°11'07	0♒13	26° 5	28°33	20°42	27°24	22°53	25°55	9°22	23°33	22°16	20°59	29°31	n.a.	W26
T 27	17 21 46	19° 8'36	12°14	28° 1	29° 5	21°20	27°30	22°56	25°59	9°21	23°32	22°12	20°56	29°38	n.a.	T 27
F 28	17 25 43	20° 6'06	24°23	29°55	29°36	21°58	27°37	22°58	26° 3	9°21	23°31	22° 9	20°53	29°45	n.a.	F 28
S 29	17 29 39	21° 3'38	6♓46	1♋47	0♌ 6	22°36	27°44	23° 1	26° 7	9°21	23°30	22° 7	20°50	29°51	n.a.	S 29
S 30	17 33 36	22♊ 1'11	19♓26	3♋38	0♌34	23♋15	27♓50	23♓ 3	26♊10	9♎21	23♑29	22°D 6	20♏47	29♐58	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n12	7s28	5n16	12n37	1s22	25n22	1n51	25n 8	1n21	3s46	1s22	5s47	2s28	24n 9	0n23	1s57	2n 7	35s17	13s48	18s44	18s41	20s56		n.a.
S 2	19 26	3 3	5 2	13 21	1 10	25 14	1 47	25 6	1 21	3 42	1 23	5 45	2 29	24 9	0 23	1 56	2 7	35 18	13 48	18 44	18 41	20 55		n.a.
M 3	19 40	1n37	4 32	14 6	0 57	25 5	1 42	25 4	1 20	3 38	1 23	5 44	2 29	24 9	0 23	1 56	2 7	35 18	13 48	18 44	18 40	20 55		n.a.
T 4	19 54	6 23	3 46	14 52	0 45	24 56	1 38	25 2	1 20	3 34	1 23	5 42	2 29	24 9	0 23	1 56	2 7	35 18	13 49	18 44	18 39	20 54		n.a.
W 5	20 7	10 58	2 45	15 37	0 33	24 46	1 33	25 0	1 20	3 30	1 23	5 40	2 29	24 10	0 23	1 55	2 7	35 19	13 49	18 45	18 38	20 54		n.a.
T 6	20 20	15 5	1 33	16 23	0 21	24 36	1 28	24 57	1 20	3 27	1 23	5 39	2 29	24 10	0 23	1 55	2 7	35 19	13 49	18 45	18 37	20 53		n.a.
F 7	20 32	18 21	0 13	17 8	0 9	24 25	1 23	24 54	1 19	3 23	1 23	5 37	2 30	24 10	0 23	1 55	2 7	35 20	13 50	18 45	18 36	20 52		n.a.
S 8	20 44	20 25	1s10	17 52	0n 3	24 14	1 18	24 52	1 19	3 19	1 24	5 35	2 30	24 10	0 23	1 54	2 7	35 20	13 50	18 45	18 36	20 52		n.a.
S 9	20 56	21 4	2 28	18 36	0 14	24 2	1 12	24 48	1 19	3 16	1 24	5 34	2 30	24 10	0 23	1 54	2 7	35 21	13 50	18 45	18 35	20 51		n.a.
M10	21 8	20 11	3 36	19 18	0 24	23 50	1 7	24 45	1 18	3 12	1 24	5 33	2 31	24 10	0 23	1 54	2 7	35 21	13 51	18 44	18 34	20 51		n.a.
T 11	21 19	17 55	4 28	19 59	0 35	23 38	1 1	24 42	1 18	3 9	1 24	5 31	2 31	24 10	0 23	1 54	2 7	35 21	13 51	18 44	18 33	20 50		n.a.
W12	21 30	14 33	5 2	20 38	0 45	23 25	0 55	24 38	1 18	3 5	1 24	5 30	2 31	24 11	0 23	1 53	2 7	35 22	13 51	18 44	18 32	20 49		n.a.
T 13	21 40	10 24	5 16	21 16	0 54	23 12	0 48	24 34	1 17	3 2	1 25	5 28	2 31	24 11	0 23	1 53	2 7	35 22	13 51	18 43	18 31	20 49		n.a.
F 14	21 50	5 49	5 12	21 51	1 2	22 58	0 42	24 30	1 17	2 59	1 25	5 27	2 32	24 11	0 23	1 53	2 7	35 23	13 52	18 43	18 31	20 48		n.a.
S 15	22 0	1 5	4 50	22 24	1 10	22 44	0 35	24 26	1 17	2 55	1 25	5 26	2 32	24 11	0 23	1 53	2 7	35 23	13 52	18 43	18 30	20 48		n.a.
S 16	22 9	3s35	4 14	22 55	1 17	22 30	0 28	24 21	1 16	2 52	1 25	5 25	2 32	24 11	0 23	1 53	2 7	35 24	13 52	18 44	18 29	20 47		n.a.
M17	22 18	8 0	3 25	23 24	1 24	22 16	0 21	24 17	1 16	2 49	1 26	5 23	2 32	24 11	0 23	1 52	2 7	35 24	13 53	18 44	18 28	20 46		n.a.
T 18	22 27	11 59	2 29	23 49	1 29	22 1	0 13	24 12	1 16	2 46	1 26	5 22	2 33	24 11	0 23	1 52	2 6	35 24	13 53	18 44	18 27	20 46		n.a.
W19	22 35	15 24	1 26	24 12	1 34	21 46	0 5	24 7	1 15	2 43	1 26	5 21	2 33	24 12	0 23	1 52	2 6	35 25	13 53	18 45	18 26	20 45		n.a.
T 20	22 43	18 6	0 20	24 33	1 39	21 31	0s 3	24 2	1 15	2 40	1 26	5 20	2 33	24 12	0 23	1 52	2 6	35 25	13 53	18 45	18 25	20 44		n.a.
F 21	22 50	19 58	0n46	24 51	1 42	21 15	0 11	23 57	1 15	2 37	1 26	5 19	2 33	24 12	0 23	1 52	2 6	35 26	13 54	18 45	18 25	20 44		n.a.
S 22	22 57	20 57	1 49	25 6	1 45	21 0	0 19	23 51	1 14	2 34	1 27	5 18	2 34	24 12	0 23	1 52	2 6	35 26	13 54	18 44	18 24	20 43		n.a.
S 23	23 4	20 59	2 48	25 18	1 47	20 44	0 28	23 46	1 14	2 31	1 27	5 17	2 34	24 12	0 23	1 51	2 6	35 27	13 54	18 44	18 23	20 42		n.a.
M24	23 10	20 5	3 39	25 28	1 49	20 28	0 37	23 40	1 14	2 29	1 27	5 16	2 34	24 12	0 23	1 51	2 6	35 27	13 54	18 43	18 22	20 42		n.a.
T 25	23 16	18 19	4 20	25 35	1 50	20 12	0 46	23 34	1 13	2 26	1 27	5 15	2 35	24 12	0 23	1 51	2 6	35 27	13 55	18 42	18 21	20 41		n.a.
W26	23 21	15 45	4 51	25 40	1 50	19 56	0 56	23 27	1 13	2 23	1 28	5 14	2 35	24 12	0 23	1 51	2 6	35 28	13 55	18 41	18 20	20 40		n.a.
T 27	23 26	12 31	5 9	25 42	1 50	19 39	1 5	23 21	1 12	2 21	1 28	5 13	2 35	24 13	0 23	1 51	2 6	35 28	13 55	18 40	18 19	20 40		n.a.
F 28	23 31	8 43	5 13	25 42	1 49	19 23	1 15	23 14	1 12	2 18	1 28	5 13	2 35	24 13	0 23	1 51	2 6	35 29	13 55	18 39	18 19	20 39		n.a.
S 29	23 35	4 30	5 3	25 40	1 48	19 7	1 26	23 8	1 12	2 16	1 28	5 12	2 36	24 13	0 23	1 51	2 6	35 29	13 56	18 38	18 18	20 38		n.a.
S 30	23n38	0s 0	4n39	25n36	1n46	18n50	1s36	23n 1	1n11	2s14	1s28	5s11	2s36	24n13	0n23	1s51	2n 6	35s29	13s56	18s38	18s17	20s38		n.a.

Julian Day Number = 1117085.5, Delta T = 10h46m08s
Ecliptic obliquity = 23°53'10, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'52, Lahiri = -26°46'52 Julian Calendar 1 June 1655 BCE == Greg. Calendar 18 May 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

JULY 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 37 32	22♊58'46	2♈25	5♋28	1♌ 1	23♋53	27♓56	23♓ 5	26♊14	9°R21	23°R28	22♏ 6	20♏44	0♑ 5	n.a.	M 1
T 2	17 41 29	23°56'23	15°48	7°16	1°26	24°31	28° 2	23° 8	26°18	9♎20	23♑27	22° 7	20°40	0°11	n.a.	T 2
W 3	17 45 26	24°54'02	29°37	9° 3	1°49	25°10	28° 8	23°10	26°22	9°20	23°26	22° 9	20°37	0°18	n.a.	W 3
T 4	17 49 22	25°51'42	13♉53	10°48	2°11	25°48	28°14	23°12	26°25	9°20	23°25	22°10	20°34	0°25	n.a.	T 4
F 5	17 53 19	26°49'24	28°33	12°32	2°31	26°27	28°20	23°13	26°29	9°20	23°24	22°R10	20°31	0°31	n.a.	F 5
S 6	17 57 15	27°47'08	13♊33	14°14	2°49	27° 6	28°25	23°15	26°33	9°D20	23°23	22° 9	20°28	0°38	n.a.	S 6
S 7	18 1 12	28°44'53	28°45	15°55	3° 5	27°44	28°30	23°17	26°37	9°20	23°22	22° 5	20°24	0°45	n.a.	S 7
M 8	18 5 8	29°42'40	14♋ 0	17°34	3°20	28°23	28°35	23°18	26°40	9°20	23°20	22° 1	20°21	0°51	n.a.	M 8
T 9	18 9 5	0♋40'29	29° 6	19°12	3°32	29° 2	28°40	23°20	26°44	9°20	23°19	21°55	20°18	0°58	n.a.	T 9
W10	18 13 2	1°38'19	13♌56	20°49	3°42	29°41	28°45	23°21	26°48	9°20	23°18	21°50	20°15	1° 5	n.a.	W10
T 11	18 16 58	2°36'10	28°21	22°24	3°51	0♌19	28°49	23°22	26°52	9°20	23°17	21°45	20°12	1°11	n.a.	T 11
F 12	18 20 55	3°34'03	12♍19	23°58	3°57	0°58	28°54	23°23	26°55	9°21	23°16	21°41	20° 9	1°18	n.a.	F 12
S 13	18 24 51	4°31'57	25°49	25°30	4° 0	1°37	28°58	23°24	26°59	9°21	23°15	21°39	20° 5	1°25	n.a.	S 13
S 14	18 28 48	5°29'53	8♎52	27° 1	4°R 2	2°16	29° 2	23°25	27° 3	9°21	23°13	21°D39	20° 2	1°31	n.a.	S 14
M15	18 32 44	6°27'50	21°32	28°31	4° 1	2°55	29° 6	23°26	27° 6	9°21	23°12	21°40	19°59	1°38	n.a.	M15
T 16	18 36 41	7°25'48	3♏53	29°59	3°58	3°34	29° 9	23°27	27°10	9°22	23°11	21°41	19°56	1°45	n.a.	T 16
W17	18 40 37	8°23'48	16° 1	1♌25	3°52	4°13	29°13	23°27	27°14	9°22	23°10	21°R42	19°53	1°51	n.a.	W17
T 18	18 44 34	9°21'50	27°58	2°51	3°45	4°53	29°16	23°28	27°17	9°22	23° 9	21°42	19°50	1°58	n.a.	T 18
F 19	18 48 30	10°19'54	9♐50	4°14	3°34	5°32	29°19	23°28	27°21	9°23	23° 7	21°40	19°46	2° 5	n.a.	F 19
S 20	18 52 27	11°17'59	21°40	5°37	3°22	6°11	29°22	23°28	27°25	9°23	23° 6	21°36	19°43	2°11	n.a.	S 20
S 21	18 56 24	12°16'06	3♑29	6°57	3° 7	6°50	29°25	23°28	27°29	9°24	23° 5	21°30	19°40	2°18	n.a.	S 21
M22	19 0 20	13°14'15	15°21	8°16	2°49	7°30	29°28	23°R28	27°32	9°24	23° 4	21°22	19°37	2°25	n.a.	M22
T 23	19 4 17	14°12'25	27°16	9°34	2°30	8° 9	29°30	23°28	27°36	9°25	23° 3	21°12	19°34	2°32	n.a.	T 23
W24	19 8 13	15°10'38	9♒17	10°50	2° 8	8°49	29°32	23°28	27°39	9°25	23° 1	21° 2	19°30	2°38	n.a.	W24
T 25	19 12 10	16° 8'53	21°25	12° 4	1°44	9°28	29°34	23°28	27°43	9°26	23° 0	20°52	19°27	2°45	n.a.	T 25
F 26	19 16 6	17° 7'09	3♓42	13°16	1°18	10° 8	29°36	23°27	27°47	9°26	22°59	20°43	19°24	2°52	n.a.	F 26
S 27	19 20 3	18° 5'28	16°10	14°26	0°50	10°47	29°37	23°27	27°50	9°27	22°58	20°37	19°21	2°58	n.a.	S 27
S 28	19 23 59	19° 3'49	28°51	15°34	0°20	11°27	29°39	23°26	27°54	9°28	22°56	20°32	19°18	3° 5	n.a.	S 28
M29	19 27 56	20° 2'13	11♈48	16°41	29♋49	12° 7	29°40	23°25	27°57	9°28	22°55	20°30	19°15	3°12	n.a.	M29
T 30	19 31 53	21° 0'38	25° 5	17°44	29°17	12°47	29°41	23°24	28° 1	9°29	22°54	20°D30	19°11	3°18	n.a.	T 30
W31	19 35 49	21♋59'07	8♉44	18♌46	28♋43	13♌26	29♓42	23♓23	28♊ 4	9♎30	22♑53	20♏31	19♏ 8	3♑25	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	23n42	4n38	3n59	25n29	1n43	18n34	1s47	22n54	1n11	2s11	1s29	5s11	2s36	24n13	0n23	1s51	2n 6	35s30	13s56	18s38	18s16	20s37			n.a.
T 2	23 45	9 11	3 6	25 21	1 40	18 18	1 58	22 46	1 11	2 9	1 29	5 10	2 37	24 13	0 23	1 51	2 6	35 30	13 56	18 38	18 15	20 36			n.a.
W 3	23 47	13 25	2 0	25 11	1 37	18 2	2 9	22 39	1 10	2 7	1 29	5 9	2 37	24 13	0 23	1 51	2 5	35 31	13 56	18 39	18 14	20 36			n.a.
T 4	23 49	17 1	0 45	24 59	1 33	17 46	2 21	22 31	1 10	2 5	1 29	5 9	2 37	24 13	0 23	1 51	2 5	35 31	13 57	18 39	18 13	20 35			n.a.
F 5	23 51	19 39	0s35	24 46	1 29	17 30	2 32	22 24	1 10	2 3	1 30	5 8	2 38	24 13	0 23	1 51	2 5	35 31	13 57	18 39	18 13	20 34			n.a.
S 6	23 52	20 58	1 54	24 30	1 24	17 14	2 44	22 16	1 9	2 1	1 30	5 8	2 38	24 14	0 23	1 51	2 5	35 32	13 57	18 39	18 12	20 34			n.a.
S 7	23 53	20 47	3 6	24 14	1 19	16 58	2 56	22 7	1 9	1 59	1 30	5 8	2 38	24 14	0 23	1 51	2 5	35 32	13 57	18 38	18 11	20 33			n.a.
M 8	23 53	19 4	4 5	23 56	1 14	16 43	3 9	21 59	1 8	1 57	1 30	5 7	2 38	24 14	0 23	1 51	2 5	35 33	13 57	18 37	18 10	20 32			n.a.
T 9	23 53	16 3	4 46	23 37	1 8	16 28	3 21	21 51	1 8	1 55	1 31	5 7	2 39	24 14	0 23	1 51	2 5	35 33	13 57	18 35	18 9	20 31			n.a.
W10	23 52	12 3	5 7	23 16	1 2	16 13	3 34	21 42	1 8	1 54	1 31	5 7	2 39	24 14	0 23	1 52	2 5	35 33	13 58	18 34	18 8	20 31			n.a.
T 11	23 52	7 27	5 8	22 54	0 56	15 58	3 47	21 33	1 7	1 52	1 31	5 7	2 39	24 14	0 23	1 52	2 5	35 34	13 58	18 32	18 7	20 30			n.a.
F 12	23 50	2 36	4 51	22 32	0 49	15 44	4 0	21 24	1 7	1 50	1 31	5 6	2 40	24 14	0 23	1 52	2 5	35 34	13 58	18 31	18 7	20 29			n.a.
S 13	23 48	2s14	4 17	22 8	0 43	15 31	4 13	21 15	1 6	1 49	1 32	5 6	2 40	24 14	0 23	1 52	2 5	35 34	13 58	18 31	18 6	20 29			n.a.
S 14	23 46	6 48	3 31	21 43	0 35	15 17	4 27	21 6	1 6	1 48	1 32	5 6	2 40	24 14	0 23	1 52	2 5	35 35	13 58	18 31	18 5	20 28			n.a.
M15	23 43	10 57	2 36	21 18	0 28	15 4	4 40	20 56	1 6	1 46	1 32	5 6	2 41	24 15	0 23	1 52	2 5	35 35	13 58	18 31	18 4	20 27			n.a.
T 16	23 40	14 32	1 35	20 52	0 21	14 52	4 54	20 46	1 5	1 45	1 33	5 6	2 41	24 15	0 23	1 52	2 5	35 36	13 59	18 31	18 3	20 26			n.a.
W17	23 37	17 26	0 31	20 25	0 13	14 40	5 7	20 37	1 5	1 44	1 33	5 6	2 41	24 15	0 23	1 53	2 4	35 36	13 59	18 32	18 2	20 26			n.a.
T 18	23 33	19 32	0n34	19 58	0 5	14 29	5 21	20 27	1 4	1 43	1 33	5 6	2 41	24 15	0 23	1 53	2 4	35 36	13 59	18 32	18 1	20 25			n.a.
F 19	23 28	20 45	1 36	19 30	0s 3	14 18	5 34	20 16	1 4	1 42	1 33	5 6	2 42	24 15	0 23	1 53	2 4	35 37	13 59	18 31	18 0	20 24			n.a.
S 20	23 24	21 3	2 34	19 2	0 12	14 8	5 47	20 6	1 4	1 41	1 34	5 7	2 42	24 15	0 23	1 53	2 4	35 37	13 59	18 30	18 0	20 23			n.a.
S 21	23 18	20 25	3 25	18 33	0 20	13 59	6 0	19 56	1 3	1 40	1 34	5 7	2 42	24 15	0 23	1 54	2 4	35 37	13 59	18 28	17 59	20 23			n.a.
M22	23 13	18 53	4 8	18 4	0 29	13 50	6 13	19 45	1 3	1 39	1 34	5 7	2 43	24 15	0 23	1 54	2 4	35 38	13 59	18 26	17 58	20 22			n.a.
T 23	23 7	16 32	4 39	17 35	0 38	13 42	6 26	19 34	1 2	1 38	1 34	5 7	2 43	24 15	0 23	1 54	2 4	35 38	13 59	18 24	17 57	20 21			n.a.
W24	23 0	13 28	4 59	17 6	0 47	13 35	6 38	19 23	1 2	1 38	1 35	5 8	2 43	24 15	0 23	1 54	2 4	35 38	13 59	18 21	17 56	20 20			n.a.
T 25	22 53	9 49	5 5	16 36	0 56	13 29	6 50	19 12	1 2	1 37	1 35	5 8	2 44	24 15	0 23	1 55	2 4	35 39	13 59	18 18	17 55	20 19			n.a.
F 26	22 46	5 43	4 58	16 7	1 5	13 23	7 2	19 1	1 1	1 37	1 35	5 9	2 44	24 15	0 23	1 55	2 4	35 39	13 59	18 16	17 54	20 19			n.a.
S 27	22 38	1 20	4 36	15 38	1 14	13 18	7 13	18 49	1 1	1 36	1 35	5 9	2 44	24 16	0 23	1 55	2 4	35 39	14 0	18 14	17 53	20 18			n.a.
S 28	22 30	3n12	4 0	15 9	1 23	13 14	7 24	18 38	1 0	1 36	1 36	5 10	2 44	24 16	0 24	1 56	2 4	35 39	14 0	18 13	17 53	20 17			n.a.
M29	22 22	7 41	3 12	14 40	1 32	13 11	7 34	18 26	1 0	1 36	1 36	5 10	2 45	24 16	0 24	1 56	2 4	35 40	14 0	18 12	17 52	20 16			n.a.
T 30	22 13	11 55	2 12	14 11	1 42	13 8	7 43	18 14	0 59	1 36	1 36	5 11	2 45	24 16	0 24	1 56	2 4	35 40	14 0	18 12	17 51	20 15			n.a.
W31	22n 3	15n40	1n 3	13n43	1s51	13n 6	7s51	18n 2	0n59	1s36	1s36	5s12	2s45	24n16	0n24	1s57	2n 3	35s40	14s 0	18s13	17s50	20s15			n.a.

Julian Day Number = 1117115.5, Delta T = 10h46m06s
Ecliptic obliquity = 23°53'09, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'48, Lahiri = -26°46'47 Julian Calendar 1 July 1655 BCE == Greg. Calendar 17 June 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

AUGUST 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 39 46	22♋57'37	22♉47	19♌45	28°R 8	14♌ 6	29♓42	23°R22	28♊ 8	9♎31	22°R51	20°R31	19♏ 5	3♑32	n.a.	T 1
F 2	19 43 42	23°56'10	7♊14	20°41	27♋32	14°46	29°43	23♓21	28°11	9°32	22♑50	20♏30	19° 2	3°38	n.a.	F 2
S 3	19 47 39	24°54'45	22° 2	21°35	26°56	15°26	29°R43	23°20	28°15	9°32	22°49	20°27	18°59	3°45	n.a.	S 3
S 4	19 51 35	25°53'23	7♋ 6	22°25	26°20	16° 6	29°43	23°18	28°18	9°33	22°47	20°21	18°56	3°52	n.a.	S 4
M 5	19 55 32	26°52'02	22°18	23°13	25°43	16°46	29°43	23°17	28°22	9°34	22°46	20°12	18°52	3°58	n.a.	M 5
T 6	19 59 28	27°50'44	7♌26	23°56	25° 7	17°26	29°42	23°15	28°25	9°35	22°45	20° 3	18°49	4° 5	n.a.	T 6
W 7	20 3 25	28°49'28	22°21	24°36	24°31	18° 7	29°42	23°14	28°28	9°36	22°44	19°52	18°46	4°12	n.a.	W 7
T 8	20 7 22	29°48'14	6♍53	25°12	23°55	18°47	29°41	23°12	28°32	9°37	22°42	19°43	18°43	4°18	n.a.	T 8
F 9	20 11 18	0♌47'02	20°58	25°43	23°20	19°27	29°40	23°10	28°35	9°38	22°41	19°35	18°40	4°25	n.a.	F 9
S 10	20 15 15	1°45'51	4♎34	26°10	22°47	20° 8	29°39	23° 8	28°38	9°39	22°40	19°30	18°36	4°32	n.a.	S 10
S 11	20 19 11	2°44'43	17°41	26°31	22°14	20°48	29°37	23° 6	28°42	9°41	22°39	19°27	18°33	4°39	n.a.	S 11
M12	20 23 8	3°43'36	0♏22	26°47	21°43	21°28	29°35	23° 3	28°45	9°42	22°38	19°D26	18°30	4°45	n.a.	M12
T 13	20 27 4	4°42'32	12°43	26°57	21°14	22° 9	29°34	23° 1	28°48	9°43	22°36	19°R26	18°27	4°52	n.a.	T 13
W14	20 31 1	5°41'29	24°48	27°R 0	20°46	22°49	29°32	22°59	28°51	9°44	22°35	19°26	18°24	4°59	n.a.	W14
T 15	20 34 57	6°40'28	6♐43	26°57	20°21	23°30	29°29	22°56	28°54	9°45	22°34	19°25	18°21	5° 5	n.a.	T 15
F 16	20 38 54	7°39'30	18°33	26°47	19°57	24°11	29°27	22°53	28°58	9°47	22°33	19°22	18°17	5°12	n.a.	F 16
S 17	20 42 50	8°38'33	0♑21	26°30	19°36	24°51	29°24	22°51	29° 1	9°48	22°31	19°16	18°14	5°19	n.a.	S 17
S 18	20 46 47	9°37'38	12°12	26° 5	19°16	25°32	29°22	22°48	29° 4	9°49	22°30	19° 7	18°11	5°25	n.a.	S 18
M19	20 50 44	10°36'46	24° 9	25°33	18°59	26°13	29°19	22°45	29° 7	9°50	22°29	18°55	18° 8	5°32	n.a.	M19
T 20	20 54 40	11°35'55	6♒12	24°53	18°45	26°54	29°15	22°42	29°10	9°52	22°28	18°42	18° 5	5°39	n.a.	T 20
W21	20 58 37	12°35'07	18°24	24° 5	18°32	27°35	29°12	22°39	29°13	9°53	22°27	18°28	18° 2	5°45	n.a.	W21
T 22	21 2 33	13°34'21	0♓44	23°11	18°23	28°16	29° 8	22°36	29°16	9°55	22°26	18°14	17°58	5°52	n.a.	T 22
F 23	21 6 30	14°33'37	13°15	22°11	18°15	28°57	29° 5	22°33	29°19	9°56	22°24	18° 2	17°55	5°59	n.a.	F 23
S 24	21 10 26	15°32'55	25°55	21° 6	18°10	29°38	29° 1	22°29	29°22	9°58	22°23	17°53	17°52	6° 5	n.a.	S 24
S 25	21 14 23	16°32'16	8♈46	19°58	18° 8	0♍19	28°57	22°26	29°24	9°59	22°22	17°46	17°49	6°12	n.a.	S 25
M26	21 18 19	17°31'39	21°50	18°48	18°D 8	1° 0	28°52	22°22	29°27	10° 1	22°21	17°42	17°46	6°19	n.a.	M26
T 27	21 22 16	18°31'05	5♉ 9	17°37	18°10	1°41	28°48	22°19	29°30	10° 2	22°20	17°41	17°42	6°26	n.a.	T 27
W28	21 26 12	19°30'33	18°43	16°28	18°15	2°23	28°43	22°15	29°33	10° 4	22°19	17°40	17°39	6°32	n.a.	W28
T 29	21 30 9	20°30'04	2♊36	15°24	18°22	3° 4	28°38	22°11	29°35	10° 5	22°18	17°40	17°36	6°39	n.a.	T 29
F 30	21 34 6	21°29'38	16°48	14°24	18°31	3°45	28°33	22° 8	29°38	10° 7	22°17	17°39	17°33	6°46	n.a.	F 30
S 31	21 38 2	22♌29'14	1♋17	13♌32	18♋42	4♍27	28♓28	22♓ 4	29♊41	10♎ 9	22♑16	17♏35	17♏30	6♑52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21n53	18n37	0s12	13n16	2s 0	13n 6	7s59	17n50	0n59	1s36	1s37	5s12	2s46	24n16	0n24	1s57	2n 3	35s41	14s 0	18s13	17s49	20s14			n.a.
F 2	21 43	20 29	1 28	12 49	2 10	13 5	8 6	17 38	0 58	1 36	1 37	5 13	2 46	24 16	0 24	1 58	2 3	35 41	14 0	18 12	17 48	20 13			n.a.
S 3	21 33	20 59	2 40	12 23	2 19	13 6	8 13	17 25	0 58	1 36	1 37	5 14	2 46	24 16	0 24	1 58	2 3	35 41	14 0	18 11	17 47	20 12			n.a.
S 4	21 22	20 0	3 41	11 58	2 28	13 8	8 18	17 13	0 57	1 36	1 37	5 15	2 46	24 16	0 24	1 58	2 3	35 41	14 0	18 10	17 46	20 11			n.a.
M 5	21 10	17 36	4 28	11 34	2 37	13 10	8 23	17 0	0 57	1 36	1 38	5 15	2 47	24 16	0 24	1 59	2 3	35 42	14 0	18 8	17 45	20 11			n.a.
T 6	20 59	14 0	4 55	11 12	2 45	13 13	8 26	16 47	0 56	1 37	1 38	5 16	2 47	24 16	0 24	1 59	2 3	35 42	14 0	18 5	17 45	20 10			n.a.
W 7	20 47	9 34	5 2	10 50	2 54	13 16	8 29	16 34	0 56	1 37	1 38	5 17	2 47	24 16	0 24	2 0	2 3	35 42	14 0	18 2	17 44	20 9			n.a.
T 8	20 34	4 40	4 49	10 31	3 2	13 21	8 30	16 21	0 55	1 38	1 39	5 18	2 47	24 16	0 24	2 0	2 3	35 42	14 0	18 0	17 43	20 8			n.a.
F 9	20 21	0s19	4 19	10 13	3 10	13 26	8 31	16 8	0 55	1 38	1 39	5 19	2 48	24 16	0 24	2 1	2 3	35 42	14 0	17 57	17 42	20 7			n.a.
S 10	20 8	5 7	3 35	9 57	3 17	13 31	8 31	15 54	0 54	1 39	1 39	5 20	2 48	24 16	0 24	2 1	2 3	35 43	14 0	17 56	17 41	20 6			n.a.
S 11	19 55	9 31	2 40	9 43	3 24	13 37	8 30	15 41	0 54	1 40	1 39	5 21	2 48	24 17	0 24	2 2	2 3	35 43	14 0	17 55	17 40	20 6			n.a.
M12	19 41	13 22	1 40	9 32	3 30	13 44	8 28	15 27	0 54	1 41	1 39	5 23	2 49	24 17	0 24	2 2	2 3	35 43	14 0	17 55	17 39	20 5			n.a.
T 13	19 27	16 30	0 36	9 23	3 36	13 51	8 26	15 13	0 53	1 42	1 40	5 24	2 49	24 17	0 24	2 3	2 3	35 43	14 0	17 55	17 38	20 4			n.a.
W14	19 12	18 52	0n28	9 17	3 40	13 58	8 22	14 59	0 53	1 43	1 40	5 25	2 49	24 17	0 24	2 3	2 3	35 43	14 0	17 55	17 37	20 3			n.a.
T 15	18 57	20 21	1 30	9 15	3 44	14 6	8 18	14 45	0 52	1 44	1 40	5 26	2 49	24 17	0 24	2 4	2 2	35 44	14 0	17 55	17 37	20 2			n.a.
F 16	18 42	20 56	2 28	9 16	3 47	14 14	8 13	14 31	0 52	1 45	1 40	5 27	2 50	24 17	0 24	2 4	2 2	35 44	14 0	17 54	17 36	20 1			n.a.
S 17	18 26	20 35	3 19	9 20	3 49	14 23	8 8	14 17	0 51	1 46	1 41	5 29	2 50	24 17	0 24	2 5	2 2	35 44	14 0	17 52	17 35	20 0			n.a.
S 18	18 10	19 19	4 1	9 28	3 49	14 32	8 1	14 2	0 51	1 48	1 41	5 30	2 50	24 17	0 24	2 5	2 2	35 44	13 59	17 50	17 34	20 0			n.a.
M19	17 54	17 12	4 33	9 41	3 48	14 41	7 55	13 48	0 50	1 49	1 41	5 32	2 50	24 17	0 24	2 6	2 2	35 44	13 59	17 46	17 33	19 59			n.a.
T 20	17 38	14 21	4 53	9 57	3 45	14 50	7 47	13 33	0 50	1 51	1 41	5 33	2 50	24 17	0 24	2 7	2 2	35 44	13 59	17 43	17 32	19 58			n.a.
W21	17 21	10 51	5 0	10 17	3 40	14 59	7 40	13 18	0 49	1 52	1 42	5 34	2 51	24 17	0 24	2 7	2 2	35 45	13 59	17 39	17 31	19 57			n.a.
T 22	17 4	6 51	4 53	10 42	3 33	15 9	7 32	13 4	0 49	1 54	1 42	5 36	2 51	24 17	0 24	2 8	2 2	35 45	13 59	17 35	17 30	19 56			n.a.
F 23	16 46	2 32	4 32	11 9	3 24	15 18	7 23	12 49	0 48	1 56	1 42	5 37	2 51	24 17	0 24	2 9	2 2	35 45	13 59	17 31	17 29	19 55			n.a.
S 24	16 28	1n58	3 57	11 41	3 13	15 27	7 14	12 33	0 48	1 57	1 42	5 39	2 51	24 17	0 24	2 9	2 2	35 45	13 59	17 29	17 28	19 54			n.a.
S 25	16 10	6 26	3 10	12 15	3 1	15 37	7 5	12 18	0 47	1 59	1 42	5 40	2 52	24 17	0 24	2 10	2 2	35 45	13 59	17 27	17 28	19 53			n.a.
M26	15 52	10 42	2 12	12 51	2 46	15 46	6 55	12 3	0 47	2 1	1 43	5 42	2 52	24 17	0 24	2 10	2 2	35 45	13 59	17 26	17 27	19 53			n.a.
T 27	15 33	14 31	1 6	13 28	2 29	15 56	6 46	11 47	0 46	2 3	1 43	5 44	2 52	24 17	0 24	2 11	2 2	35 45	13 59	17 25	17 26	19 52			n.a.
W28	15 15	17 38	0s 6	14 6	2 12	16 5	6 36	11 32	0 46	2 5	1 43	5 45	2 52	24 17	0 24	2 12	2 2	35 45	13 59	17 25	17 25	19 51			n.a.
T 29	14 55	19 48	1 18	14 44	1 53	16 14	6 26	11 16	0 45	2 7	1 43	5 47	2 52	24 17	0 24	2 13	2 2	35 45	13 58	17 25	17 24	19 50			n.a.
F 30	14 36	20 46	2 27	15 20	1 33	16 23	6 15	11 0	0 45	2 10	1 43	5 49	2 53	24 17	0 24	2 13	2 2	35 45	13 58	17 25	17 23	19 49			n.a.
S 31	14n16	20n24	3s29	15n55	1s13	16n31	6s 5	10n45	0n44	2s12	1s44	5s50	2s53	24n17	0n24	2s14	2n 2	35s46	13s58	17s24	17s22	19s48			n.a.

Julian Day Number = 1117146.5, Delta T = 10h46m04s
Ecliptic obliquity = 23°53'09, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'44, Lahiri = -26°46'43 Julian Calendar 1 Aug. 1655 BCE == Greg. Calendar 18 July 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

SEPTEMBER 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 41 59	23♌28'52	16♋ 1	12°R49	18♋56	5♍ 8	28°R23	22°R 0	29♊43	10♎10	22°R14	17°R28	17♏27	6♑59	n.a.	S 1
M 2	21 45 55	24°28'33	0♌54	12♌16	19°12	5°50	28♓17	21♓56	29°46	10°12	22♑13	17♏19	17°23	7° 6	n.a.	M 2
T 3	21 49 52	25°28'16	15°47	11°53	19°29	6°31	28°12	21°52	29°48	10°14	22°12	17° 8	17°20	7°12	n.a.	T 3
W 4	21 53 48	26°28'01	0♍31	11°41	19°49	7°13	28° 6	21°47	29°51	10°15	22°11	16°56	17°17	7°19	n.a.	W 4
T 5	21 57 45	27°27'48	14°58	11°D41	20°10	7°55	28° 0	21°43	29°53	10°17	22°10	16°45	17°14	7°26	n.a.	T 5
F 6	22 1 41	28°27'38	29° 2	11°51	20°33	8°37	27°54	21°39	29°56	10°19	22° 9	16°36	17°11	7°32	n.a.	F 6
S 7	22 5 38	29°27'29	12♎39	12°12	20°58	9°18	27°47	21°35	29°58	10°21	22° 8	16°29	17° 7	7°39	n.a.	S 7
S 8	22 9 34	0♍27'22	25°49	12°43	21°25	10° 0	27°41	21°30	0♋ 0	10°23	22° 8	16°25	17° 4	7°46	n.a.	S 8
M 9	22 13 31	1°27'17	8♏33	13°23	21°53	10°42	27°34	21°26	0° 2	10°24	22° 7	16°23	17° 1	7°53	n.a.	M 9
T 10	22 17 28	2°27'14	20°57	14°11	22°23	11°24	27°28	21°21	0° 5	10°26	22° 6	16°D23	16°58	7°59	n.a.	T 10
W11	22 21 24	3°27'13	3♐ 4	15° 7	22°55	12° 6	27°21	21°17	0° 7	10°28	22° 5	16°R23	16°55	8° 6	n.a.	W11
T 12	22 25 21	4°27'14	15° 0	16°10	23°28	12°48	27°14	21°12	0° 9	10°30	22° 4	16°23	16°52	8°13	n.a.	T 12
F 13	22 29 17	5°27'16	26°50	17°19	24° 2	13°30	27° 7	21° 8	0°11	10°32	22° 3	16°21	16°48	8°19	n.a.	F 13
S 14	22 33 14	6°27'21	8♑40	18°33	24°38	14°13	27° 0	21° 3	0°13	10°34	22° 2	16°16	16°45	8°26	n.a.	S 14
S 15	22 37 10	7°27'27	20°33	19°51	25°15	14°55	26°52	20°58	0°15	10°36	22° 1	16° 9	16°42	8°33	n.a.	S 15
M16	22 41 7	8°27'35	2♒35	21°13	25°53	15°37	26°45	20°53	0°17	10°38	22° 1	15°59	16°39	8°39	n.a.	M16
T 17	22 45 3	9°27'44	14°46	22°39	26°32	16°19	26°38	20°49	0°19	10°40	22° 0	15°47	16°36	8°46	n.a.	T 17
W18	22 49 0	10°27'56	27° 9	24° 7	27°13	17° 2	26°30	20°44	0°21	10°42	21°59	15°35	16°33	8°53	n.a.	W18
T 19	22 52 56	11°28'10	9♓45	25°37	27°55	17°44	26°22	20°39	0°22	10°44	21°58	15°23	16°29	8°59	n.a.	T 19
F 20	22 56 53	12°28'25	22°34	27° 9	28°38	18°27	26°15	20°34	0°24	10°46	21°58	15°12	16°26	9° 6	n.a.	F 20
S 21	23 0 50	13°28'42	5♈34	28°43	29°22	19° 9	26° 7	20°29	0°26	10°48	21°57	15° 4	16°23	9°13	n.a.	S 21
S 22	23 4 46	14°29'02	18°45	0♍18	0♌ 7	19°52	25°59	20°24	0°27	10°50	21°56	14°58	16°20	9°20	n.a.	S 22
M23	23 8 43	15°29'23	2♉ 7	1°54	0°53	20°35	25°51	20°20	0°29	10°52	21°56	14°55	16°17	9°26	n.a.	M23
T 24	23 12 39	16°29'47	15°39	3°30	1°40	21°17	25°43	20°15	0°30	10°54	21°55	14°D54	16°13	9°33	n.a.	T 24
W25	23 16 36	17°30'13	29°22	5° 7	2°28	22° 0	25°35	20°10	0°32	10°56	21°54	14°55	16°10	9°40	n.a.	W25
T 26	23 20 32	18°30'40	13♊15	6°45	3°17	22°43	25°27	20° 5	0°33	10°58	21°54	14°R56	16° 7	9°46	n.a.	T 26
F 27	23 24 29	19°31'11	27°19	8°22	4° 7	23°26	25°19	20° 0	0°35	11° 1	21°53	14°56	16° 4	9°53	n.a.	F 27
S 28	23 28 25	20°31'43	11♋33	10° 0	4°58	24° 9	25°11	19°55	0°36	11° 3	21°53	14°54	16° 1	10° 0	n.a.	S 28
S 29	23 32 22	21°32'17	25°54	11°38	5°49	24°52	25° 3	19°50	0°37	11° 5	21°52	14°49	15°58	10° 6	n.a.	S 29
M30	23 36 19	22♍32'53	10♌21	13♍15	6♌41	25♍35	24♓55	19♓45	0♋39	11♎ 7	21♑51	14♏43	15♏54	10♑13	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n57	18n39	4s17	16n26	0s53	16n40	5s55	10n29	0n44	2s14	1s44	5s52	2s53	24n17	0n24	2s15	2n 2	35s46	13s58	17s22	17s21	19s47		n.a.
M 2	13 36	15 38	4 49	16 55	0 33	16 48	5 44	10 13	0 43	2 17	1 44	5 54	2 53	24 17	0 24	2 15	2 1	35 46	13 58	17 19	17 20	19 46		n.a.
T 3	13 16	11 38	5 1	17 20	0 14	16 56	5 34	9 56	0 43	2 19	1 44	5 56	2 53	24 17	0 24	2 16	2 1	35 46	13 58	17 16	17 19	19 45		n.a.
W 4	12 56	6 57	4 52	17 40	0n 5	17 4	5 23	9 40	0 42	2 22	1 44	5 58	2 53	24 17	0 24	2 17	2 1	35 46	13 58	17 12	17 18	19 44		n.a.
T 5	12 35	1 58	4 25	17 57	0 22	17 11	5 13	9 24	0 42	2 24	1 44	5 59	2 53	24 18	0 24	2 18	2 1	35 46	13 57	17 9	17 18	19 43		n.a.
F 6	12 14	3s 0	3 43	18 9	0 37	17 18	5 2	9 8	0 41	2 27	1 44	6 1	2 54	24 18	0 24	2 18	2 1	35 46	13 57	17 6	17 17	19 42		n.a.
S 7	11 52	7 40	2 49	18 17	0 52	17 25	4 52	8 51	0 41	2 29	1 45	6 3	2 54	24 18	0 24	2 19	2 1	35 46	13 57	17 5	17 16	19 41		n.a.
S 8	11 31	11 48	1 47	18 21	1 5	17 31	4 41	8 34	0 40	2 32	1 45	6 5	2 54	24 18	0 24	2 20	2 1	35 46	13 57	17 3	17 15	19 40		n.a.
M 9	11 9	15 16	0 41	18 20	1 17	17 37	4 31	8 18	0 39	2 35	1 45	6 7	2 54	24 18	0 24	2 21	2 1	35 46	13 57	17 3	17 14	19 40		n.a.
T 10	10 48	17 56	0n24	18 16	1 27	17 42	4 21	8 1	0 39	2 38	1 45	6 9	2 54	24 18	0 25	2 21	2 1	35 46	13 56	17 3	17 13	19 39		n.a.
W11	10 26	19 44	1 27	18 7	1 35	17 47	4 11	7 44	0 38	2 40	1 45	6 11	2 54	24 18	0 25	2 22	2 1	35 46	13 56	17 3	17 12	19 38		n.a.
T 12	10 3	20 37	2 26	17 55	1 43	17 52	4 0	7 27	0 38	2 43	1 45	6 13	2 54	24 18	0 25	2 23	2 1	35 46	13 56	17 3	17 11	19 37		n.a.
F 13	9 41	20 33	3 17	17 40	1 49	17 56	3 50	7 10	0 37	2 46	1 45	6 15	2 54	24 18	0 25	2 24	2 1	35 46	13 56	17 2	17 10	19 36		n.a.
S 14	9 19	19 36	4 0	17 21	1 54	17 59	3 40	6 53	0 37	2 49	1 45	6 17	2 55	24 18	0 25	2 25	2 1	35 46	13 56	17 1	17 9	19 35		n.a.
S 15	8 56	17 47	4 33	17 0	1 58	18 2	3 30	6 36	0 36	2 52	1 45	6 19	2 55	24 18	0 25	2 25	2 1	35 46	13 55	16 59	17 8	19 34		n.a.
M16	8 33	15 11	4 54	16 36	2 1	18 5	3 21	6 19	0 36	2 55	1 45	6 21	2 55	24 18	0 25	2 26	2 1	35 45	13 55	16 56	17 7	19 33		n.a.
T 17	8 10	11 53	5 2	16 9	2 3	18 7	3 11	6 2	0 35	2 58	1 45	6 23	2 55	24 18	0 25	2 27	2 1	35 45	13 55	16 52	17 7	19 32		n.a.
W18	7 47	8 3	4 56	15 40	2 4	18 8	3 1	5 45	0 35	3 1	1 46	6 25	2 55	24 18	0 25	2 28	2 1	35 45	13 55	16 49	17 6	19 31		n.a.
T 19	7 24	3 48	4 36	15 9	2 4	18 9	2 52	5 27	0 34	3 5	1 46	6 27	2 55	24 18	0 25	2 29	2 1	35 45	13 55	16 45	17 5	19 30		n.a.
F 20	7 0	0n41	4 1	14 37	2 3	18 10	2 43	5 10	0 33	3 8	1 46	6 29	2 55	24 18	0 25	2 30	2 1	35 45	13 54	16 42	17 4	19 29		n.a.
S 21	6 37	5 12	3 14	14 2	2 2	18 10	2 33	4 52	0 33	3 11	1 46	6 31	2 55	24 18	0 25	2 30	2 1	35 45	13 54	16 39	17 3	19 28		n.a.
S 22	6 13	9 33	2 15	13 26	2 0	18 9	2 24	4 35	0 32	3 14	1 46	6 33	2 55	24 18	0 25	2 31	2 1	35 45	13 54	16 38	17 2	19 27		n.a.
M23	5 49	13 30	1 8	12 49	1 58	18 8	2 15	4 17	0 32	3 17	1 46	6 35	2 55	24 18	0 25	2 32	2 1	35 45	13 54	16 37	17 1	19 26		n.a.
T 24	5 26	16 46	0s 4	12 11	1 55	18 6	2 7	3 59	0 31	3 21	1 46	6 37	2 55	24 18	0 25	2 33	2 1	35 45	13 53	16 37	17 0	19 25		n.a.
W25	5 2	19 9	1 17	11 32	1 51	18 4	1 58	3 42	0 31	3 24	1 46	6 39	2 55	24 18	0 25	2 34	2 1	35 45	13 53	16 37	16 59	19 24		n.a.
T 26	4 38	20 24	2 26	10 52	1 48	18 1	1 49	3 24	0 30	3 27	1 46	6 40	2 55	24 18	0 25	2 35	2 1	35 44	13 53	16 37	16 58	19 23		n.a.
F 27	4 13	20 24	3 27	10 11	1 43	17 57	1 41	3 6	0 29	3 30	1 46	6 42	2 55	24 18	0 25	2 36	2 1	35 44	13 53	16 37	16 57	19 22		n.a.
S 28	3 49	19 7	4 16	9 29	1 39	17 53	1 33	2 48	0 29	3 34	1 46	6 44	2 55	24 18	0 25	2 36	2 0	35 44	13 52	16 36	16 56	19 21		n.a.
S 29	3 25	16 37	4 50	8 47	1 34	17 48	1 25	2 31	0 28	3 37	1 46	6 46	2 55	24 18	0 25	2 37	2 0	35 44	13 52	16 35	16 55	19 20		n.a.
M30	3n 1	13n 5	5s 5	8n 4	1n29	17n43	1s17	2n13	0n28	3s40	1s45	6s48	2s55	24n18	0n25	2s38	2n 0	35s44	13s52	16s33	16s54	19s19		n.a.

Julian Day Number = 1117177.5, Delta T = 10h46m03s
Ecliptic obliquity = 23°53'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'40, Lahiri = -26°46'39 Julian Calendar 1 Sept. 1655 BCE == Greg. Calendar 18 Aug. 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

OCTOBER 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 40 15	23♍33'31	24♌46	14♍53	7♌34	26♍18	24°R46	19°R40	0♋40	11♎ 9	21°R51	14°R35	15♏51	10♑20	n.a.	T 1
W 2	23 44 12	24°34'11	9♍ 6	16°31	8°27	27° 1	24♓38	19♓35	0°41	11°11	21♑50	14♏26	15°48	10°27	n.a.	W 2
T 3	23 48 8	25°34'53	23°12	18° 8	9°22	27°44	24°30	19°30	0°42	11°14	21°50	14°18	15°45	10°33	n.a.	T 3
F 4	23 52 5	26°35'36	7♎ 2	19°45	10°17	28°27	24°22	19°25	0°43	11°16	21°50	14°11	15°42	10°40	n.a.	F 4
S 5	23 56 1	27°36'20	20°30	21°22	11°12	29°11	24°14	19°21	0°44	11°18	21°49	14° 7	15°39	10°47	n.a.	S 5
S 6	23 59 58	28°37'07	3♏36	22°59	12° 8	29°54	24° 6	19°16	0°45	11°20	21°49	14° 4	15°35	10°53	n.a.	S 6
M 7	0 3 54	29°37'54	16°20	24°35	13° 5	0♎37	23°57	19°11	0°46	11°22	21°49	14°D 3	15°32	11° 0	n.a.	M 7
T 8	0 7 51	0♎38'43	28°45	26°12	14° 2	1°21	23°49	19° 6	0°46	11°25	21°48	14° 4	15°29	11° 7	n.a.	T 8
W 9	0 11 47	1°39'34	10♐54	27°48	15° 0	2° 4	23°41	19° 1	0°47	11°27	21°48	14° 6	15°26	11°13	n.a.	W 9
T 10	0 15 44	2°40'25	22°52	29°24	15°58	2°48	23°33	18°57	0°48	11°29	21°48	14° 7	15°23	11°20	n.a.	T 10
F 11	0 19 41	3°41'18	4♑44	0♎59	16°57	3°31	23°25	18°52	0°48	11°31	21°47	14°R 8	15°19	11°27	n.a.	F 11
S 12	0 23 37	4°42'11	16°35	2°35	17°56	4°15	23°17	18°47	0°49	11°34	21°47	14° 7	15°16	11°34	n.a.	S 12
S 13	0 27 34	5°43'06	28°29	4°10	18°56	4°59	23°10	18°43	0°49	11°36	21°47	14° 4	15°13	11°40	n.a.	S 13
M14	0 31 30	6°44'02	10♒33	5°45	19°57	5°42	23° 2	18°38	0°50	11°38	21°47	14° 0	15°10	11°47	n.a.	M14
T 15	0 35 27	7°44'59	22°49	7°20	20°57	6°26	22°54	18°33	0°50	11°40	21°47	13°54	15° 7	11°54	n.a.	T 15
W16	0 39 23	8°45'57	5♓20	8°55	21°58	7°10	22°47	18°29	0°50	11°43	21°46	13°48	15° 4	12° 0	n.a.	W16
T 17	0 43 20	9°46'56	18° 8	10°29	23° 0	7°54	22°39	18°25	0°51	11°45	21°46	13°42	15° 0	12° 7	n.a.	T 17
F 18	0 47 16	10°47'56	1♈14	12° 4	24° 2	8°38	22°32	18°20	0°51	11°47	21°46	13°36	14°57	12°14	n.a.	F 18
S 19	0 51 13	11°48'57	14°35	13°38	25° 4	9°22	22°24	18°16	0°51	11°49	21°46	13°32	14°54	12°20	n.a.	S 19
S 20	0 55 10	12°49'59	28°12	15°12	26° 7	10° 6	22°17	18°12	0°51	11°52	21°46	13°29	14°51	12°27	n.a.	S 20
M21	0 59 6	13°51'03	12♉ 0	16°47	27°10	10°50	22°10	18° 7	0°R51	11°54	21°D46	13°D28	14°48	12°34	n.a.	M21
T 22	1 3 3	14°52'07	25°58	18°21	28°14	11°34	22° 3	18° 3	0°51	11°56	21°46	13°29	14°44	12°41	n.a.	T 22
W23	1 6 59	15°53'13	10♊ 2	19°55	29°18	12°18	21°56	17°59	0°51	11°58	21°46	13°30	14°41	12°47	n.a.	W23
T 24	1 10 56	16°54'21	24°10	21°29	0♍22	13° 2	21°49	17°55	0°51	12° 1	21°46	13°32	14°38	12°54	n.a.	T 24
F 25	1 14 52	17°55'29	8♋20	23° 3	1°27	13°47	21°43	17°51	0°51	12° 3	21°46	13°33	14°35	13° 1	n.a.	F 25
S 26	1 18 49	18°56'39	22°30	24°37	2°31	14°31	21°36	17°47	0°51	12° 5	21°47	13°R33	14°32	13° 7	n.a.	S 26
S 27	1 22 45	19°57'50	6♌38	26°11	3°37	15°15	21°30	17°44	0°50	12° 7	21°47	13°32	14°29	13°14	n.a.	S 27
M28	1 26 42	20°59'02	20°42	27°46	4°42	16° 0	21°24	17°40	0°50	12°10	21°47	13°30	14°25	13°21	n.a.	M28
T 29	1 30 39	22° 0'15	4♍41	29°20	5°48	16°44	21°18	17°36	0°50	12°12	21°47	13°28	14°22	13°27	n.a.	T 29
W30	1 34 35	23° 1'29	18°30	0♏54	6°54	17°29	21°12	17°33	0°49	12°14	21°47	13°24	14°19	13°34	n.a.	W30
T 31	1 38 32	24♎ 2'43	2♎ 8	2♏28	8♍ 0	18♎13	21♓ 6	17♓29	0♋49	12♎16	21♑48	13♏21	14♏16	13♑41	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	2n36	8n46	5s 2	7n21	1n24	17n37	1s 9	1n55	0n27	3s43	1s45	6s50	2s55	24n18	0n25	2s39	2n 0	35s44	13s52	16s31	16s53	19s18			n.a.
W 2	2 12	4 1	4 39	6 37	1 18	17 30	1 1	1 37	0 26	3 47	1 45	6 52	2 55	24 18	0 25	2 40	2 0	35 43	13 51	16 28	16 53	19 17			n.a.
T 3	1 47	0s54	3 59	5 53	1 13	17 23	0 53	1 19	0 26	3 50	1 45	6 54	2 55	24 18	0 25	2 41	2 0	35 43	13 51	16 26	16 52	19 16			n.a.
F 4	1 23	5 41	3 6	5 9	1 7	17 15	0 46	1 1	0 25	3 53	1 45	6 56	2 55	24 18	0 25	2 42	2 0	35 43	13 51	16 24	16 51	19 15			n.a.
S 5	0 58	10 3	2 4	4 25	1 1	17 7	0 39	0 43	0 25	3 56	1 45	6 58	2 55	24 18	0 25	2 43	2 0	35 43	13 51	16 22	16 50	19 14			n.a.
S 6	0 34	13 50	0 56	3 40	0 55	16 58	0 32	0 24	0 24	3 59	1 45	7 0	2 55	24 18	0 25	2 43	2 0	35 43	13 50	16 21	16 49	19 13			n.a.
M 7	0 9	16 50	0n12	2 56	0 49	16 48	0 25	0 6	0 23	4 3	1 45	7 2	2 55	24 18	0 25	2 44	2 0	35 42	13 50	16 21	16 48	19 12			n.a.
T 8	0s16	18 58	1 19	2 11	0 42	16 38	0 18	0s12	0 23	4 6	1 45	7 4	2 55	24 18	0 25	2 45	2 0	35 42	13 50	16 22	16 47	19 11			n.a.
W 9	0 40	20 11	2 20	1 26	0 36	16 28	0 11	0 30	0 22	4 9	1 45	7 5	2 55	24 18	0 25	2 46	2 0	35 42	13 49	16 22	16 46	19 9			n.a.
T 10	1 5	20 27	3 15	0 42	0 30	16 16	0 5	0 48	0 22	4 12	1 45	7 7	2 55	24 18	0 25	2 47	2 0	35 42	13 49	16 22	16 45	19 8			n.a.
F 11	1 30	19 47	4 1	0s 3	0 23	16 4	0n 2	1 6	0 21	4 15	1 44	7 9	2 55	24 18	0 25	2 48	2 0	35 42	13 49	16 23	16 44	19 7			n.a.
S 12	1 54	18 16	4 36	0 47	0 17	15 52	0 8	1 25	0 20	4 18	1 44	7 11	2 54	24 19	0 26	2 49	2 0	35 41	13 49	16 22	16 43	19 6			n.a.
S 13	2 19	15 58	5 0	1 32	0 10	15 39	0 14	1 43	0 20	4 21	1 44	7 13	2 54	24 19	0 26	2 50	2 0	35 41	13 48	16 21	16 42	19 5			n.a.
M14	2 43	12 57	5 10	2 16	0 4	15 25	0 20	2 1	0 19	4 24	1 44	7 14	2 54	24 19	0 26	2 51	2 0	35 41	13 48	16 20	16 41	19 4			n.a.
T 15	3 8	9 20	5 7	3 0	0s 3	15 11	0 26	2 19	0 18	4 27	1 44	7 16	2 54	24 19	0 26	2 52	2 0	35 41	13 48	16 18	16 40	19 3			n.a.
W16	3 32	5 15	4 49	3 44	0 9	14 56	0 31	2 37	0 18	4 30	1 44	7 18	2 54	24 19	0 26	2 52	2 0	35 40	13 47	16 17	16 39	19 2			n.a.
T 17	3 57	0 51	4 17	4 28	0 16	14 41	0 37	2 56	0 17	4 33	1 43	7 19	2 54	24 19	0 26	2 53	2 0	35 40	13 47	16 15	16 38	19 1			n.a.
F 18	4 21	3n42	3 30	5 12	0 22	14 25	0 42	3 14	0 17	4 36	1 43	7 21	2 54	24 19	0 26	2 54	2 0	35 40	13 47	16 13	16 37	19 0			n.a.
S 19	4 45	8 10	2 31	5 55	0 28	14 9	0 47	3 32	0 16	4 38	1 43	7 23	2 54	24 19	0 26	2 55	2 0	35 39	13 47	16 12	16 36	18 59			n.a.
S 20	5 10	12 19	1 23	6 38	0 35	13 52	0 53	3 50	0 15	4 41	1 43	7 24	2 53	24 19	0 26	2 56	2 0	35 39	13 46	16 11	16 36	18 58			n.a.
M21	5 34	15 51	0 8	7 20	0 41	13 35	0 57	4 8	0 15	4 44	1 43	7 26	2 53	24 19	0 26	2 57	2 0	35 39	13 46	16 11	16 35	18 57			n.a.
T 22	5 58	18 30	1s 8	8 3	0 47	13 17	1 2	4 27	0 14	4 46	1 42	7 27	2 53	24 19	0 26	2 58	2 0	35 39	13 46	16 11	16 34	18 56			n.a.
W23	6 22	20 3	2 21	8 45	0 53	12 58	1 7	4 45	0 13	4 49	1 42	7 29	2 53	24 19	0 26	2 59	2 0	35 38	13 45	16 11	16 33	18 54			n.a.
T 24	6 46	20 20	3 25	9 26	0 59	12 39	1 11	5 3	0 13	4 51	1 42	7 30	2 53	24 19	0 26	3 0	2 0	35 38	13 45	16 12	16 32	18 53			n.a.
F 25	7 10	19 20	4 17	10 7	1 5	12 20	1 16	5 21	0 12	4 54	1 42	7 31	2 53	24 19	0 26	3 1	2 0	35 38	13 45	16 12	16 31	18 52			n.a.
S 26	7 33	17 8	4 54	10 48	1 10	12 0	1 20	5 39	0 11	4 56	1 41	7 33	2 52	24 19	0 26	3 1	2 0	35 37	13 44	16 12	16 30	18 51			n.a.
S 27	7 57	13 55	5 12	11 28	1 16	11 40	1 24	5 57	0 11	4 58	1 41	7 34	2 52	24 19	0 26	3 2	2 0	35 37	13 44	16 12	16 29	18 50			n.a.
M28	8 20	9 56	5 12	12 8	1 21	11 19	1 28	6 15	0 10	5 1	1 41	7 36	2 52	24 19	0 26	3 3	2 0	35 37	13 44	16 11	16 28	18 49			n.a.
T 29	8 44	5 26	4 53	12 47	1 26	10 58	1 32	6 33	0 10	5 3	1 41	7 37	2 52	24 19	0 26	3 4	2 0	35 36	13 44	16 10	16 27	18 48			n.a.
W30	9 7	0 41	4 18	13 25	1 31	10 37	1 35	6 51	0 9	5 5	1 40	7 38	2 52	24 19	0 26	3 5	2 0	35 36	13 43	16 9	16 26	18 47			n.a.
T 31	9s30	4s 2	3s28	14s 3	1s36	10n15	1n39	7s 9	0n 8	5s 7	1s40	7s39	2s51	24n19	0n26	3s 6	2n 0	35s36	13s43	16s 8	16s25	18s46			n.a.

Julian Day Number = 1117207.5, Delta T = 10h46m01s
Ecliptic obliquity = 23°53'10, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'35, Lahiri = -26°46'35 Julian Calendar 1 Oct. 1655 BCE == Greg. Calendar 17 Sept. 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

NOVEMBER 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 42 28	25♎ 3'59	15♎33	4♏ 2	9♍ 7	18♎58	21°R 1	17°R26	0°R48	12♎19	21♑48	13°R19	14♏13	13♑48	n.a.	F 1
S 2	1 46 25	26° 5'15	28°42	5°37	10°13	19°43	20♓55	17♓23	0♋47	12°21	21°48	13♏17	14°10	13°54	n.a.	S 2
S 3	1 50 21	27° 6'32	11♏34	7°11	11°20	20°27	20°50	17°19	0°47	12°23	21°48	13°D17	14° 6	14° 1	n.a.	S 3
M 4	1 54 18	28° 7'49	24°10	8°45	12°28	21°12	20°45	17°16	0°46	12°25	21°49	13°17	14° 3	14° 8	n.a.	M 4
T 5	1 58 14	29° 9'07	6♐31	10°19	13°35	21°57	20°40	17°13	0°45	12°27	21°49	13°18	14° 0	14°14	n.a.	T 5
W 6	2 2 11	0♏10'25	18°40	11°54	14°43	22°42	20°35	17°10	0°44	12°30	21°50	13°19	13°57	14°21	n.a.	W 6
T 7	2 6 8	1°11'43	0♑38	13°28	15°51	23°27	20°31	17° 8	0°43	12°32	21°50	13°21	13°54	14°28	n.a.	T 7
F 8	2 10 4	2°13'02	12°30	15° 2	16°59	24°12	20°26	17° 5	0°42	12°34	21°51	13°22	13°50	14°34	n.a.	F 8
S 9	2 14 1	3°14'20	24°21	16°35	18° 7	24°56	20°22	17° 2	0°41	12°36	21°51	13°22	13°47	14°41	n.a.	S 9
S 10	2 17 57	4°15'39	6♒16	18° 9	19°16	25°41	20°18	17° 0	0°40	12°38	21°51	13°R23	13°44	14°48	n.a.	S 10
M11	2 21 54	5°16'57	18°18	19°42	20°24	26°27	20°14	16°57	0°39	12°40	21°52	13°22	13°41	14°55	n.a.	M11
T 12	2 25 50	6°18'16	0♓33	21°14	21°33	27°12	20°11	16°55	0°38	12°42	21°53	13°22	13°38	15° 1	n.a.	T 12
W13	2 29 47	7°19'34	13° 5	22°46	22°42	27°57	20° 7	16°53	0°37	12°45	21°53	13°21	13°35	15° 8	n.a.	W13
T 14	2 33 44	8°20'52	25°56	24°18	23°51	28°42	20° 4	16°51	0°36	12°47	21°54	13°20	13°31	15°15	n.a.	T 14
F 15	2 37 40	9°22'10	9♈10	25°48	25° 1	29°27	20° 1	16°49	0°34	12°49	21°54	13°20	13°28	15°21	n.a.	F 15
S 16	2 41 37	10°23'28	22°46	27°17	26°10	0♏12	19°58	16°47	0°33	12°51	21°55	13°19	13°25	15°28	n.a.	S 16
S 17	2 45 33	11°24'46	6♉43	28°45	27°20	0°58	19°56	16°45	0°32	12°53	21°56	13°D19	13°22	15°35	n.a.	S 17
M18	2 49 30	12°26'04	20°57	0♐11	28°30	1°43	19°53	16°43	0°30	12°55	21°56	13°19	13°19	15°42	n.a.	M18
T 19	2 53 26	13°27'22	5♊24	1°35	29°39	2°28	19°51	16°42	0°29	12°57	21°57	13°R19	13°15	15°48	n.a.	T 19
W20	2 57 23	14°28'40	19°59	2°57	0♎50	3°14	19°49	16°40	0°27	12°59	21°58	13°19	13°12	15°55	n.a.	W20
T 21	3 1 19	15°29'59	4♋34	4°16	2° 0	3°59	19°47	16°39	0°26	13° 1	21°59	13°19	13° 9	16° 2	n.a.	T 21
F 22	3 5 16	16°31'17	19° 4	5°31	3°10	4°45	19°46	16°37	0°24	13° 3	21°59	13°19	13° 6	16° 8	n.a.	F 22
S 23	3 9 13	17°32'35	3♌25	6°43	4°21	5°30	19°45	16°36	0°22	13° 5	22° 0	13°18	13° 3	16°15	n.a.	S 23
S 24	3 13 9	18°33'53	17°35	7°49	5°31	6°16	19°43	16°35	0°21	13° 7	22° 1	13°D18	13° 0	16°22	n.a.	S 24
M25	3 17 6	19°35'11	1♍30	8°51	6°42	7° 1	19°42	16°34	0°19	13° 9	22° 2	13°18	12°56	16°29	n.a.	M25
T 26	3 21 2	20°36'29	15°10	9°46	7°53	7°47	19°42	16°34	0°17	13°11	22° 3	13°19	12°53	16°35	n.a.	T 26
W27	3 24 59	21°37'47	28°36	10°35	9° 4	8°33	19°41	16°33	0°15	13°12	22° 4	13°20	12°50	16°42	n.a.	W27
T 28	3 28 55	22°39'05	11♎48	11°15	10°15	9°18	19°41	16°32	0°13	13°14	22° 5	13°20	12°47	16°49	n.a.	T 28
F 29	3 32 52	23°40'22	24°47	11°47	11°26	10° 4	19°D41	16°32	0°11	13°16	22° 6	13°21	12°44	16°55	n.a.	F 29
S 30	3 36 49	24♏41'39	7♏32	12♐ 9	12♎37	10♏50	19♓41	16♓31	0♋ 9	13♎18	22♑ 7	13°R22	12♏41	17♑ 2	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
F 1	9s53	8s29	2s27	14s41	1s41	9n52	1n42	7s27	0n 8	5s 9	1s40	7s40	2s51	24n19	0n26	3s 7	2n 0	35s35	13s43	16s 8	16s24	18s44			n.a.
S 2	10 15	12 27	1 20	15 17	1 45	9 29	1 45	7 45	0 7	5 11	1 40	7 41	2 51	24 19	0 26	3 8	2 0	35 35	13 42	16 7	16 23	18 43			n.a.
S 3	10 38	15 44	0 9	15 53	1 49	9 6	1 48	8 2	0 6	5 13	1 39	7 43	2 51	24 19	0 26	3 8	2 0	35 35	13 42	16 7	16 22	18 42			n.a.
M 4	11 0	18 12	1n 0	16 28	1 53	8 43	1 51	8 20	0 6	5 15	1 39	7 44	2 51	24 19	0 26	3 9	2 0	35 34	13 42	16 7	16 21	18 41			n.a.
T 5	11 23	19 45	2 5	17 2	1 57	8 19	1 54	8 38	0 5	5 16	1 39	7 45	2 50	24 19	0 26	3 10	2 0	35 34	13 41	16 7	16 20	18 40			n.a.
W 6	11 45	20 20	3 4	17 35	2 0	7 55	1 56	8 55	0 4	5 18	1 38	7 45	2 50	24 19	0 26	3 11	2 0	35 34	13 41	16 8	16 19	18 39			n.a.
T 7	12 6	20 0	3 53	18 7	2 3	7 30	1 59	9 13	0 4	5 19	1 38	7 46	2 50	24 19	0 26	3 12	2 0	35 33	13 41	16 8	16 18	18 38			n.a.
F 8	12 28	18 46	4 32	18 38	2 5	7 5	2 1	9 30	0 3	5 21	1 38	7 47	2 50	24 19	0 26	3 13	2 0	35 33	13 41	16 9	16 17	18 36			n.a.
S 9	12 49	16 44	5 0	19 8	2 7	6 40	2 4	9 48	0 2	5 22	1 37	7 48	2 49	24 19	0 26	3 14	2 0	35 32	13 40	16 9	16 16	18 35			n.a.
S 10	13 11	13 59	5 15	19 37	2 9	6 15	2 6	10 5	0 2	5 24	1 37	7 49	2 49	24 20	0 26	3 14	2 0	35 32	13 40	16 9	16 15	18 34			n.a.
M11	13 32	10 37	5 16	20 4	2 10	5 49	2 8	10 22	0 1	5 25	1 37	7 50	2 49	24 20	0 26	3 15	2 0	35 32	13 40	16 9	16 14	18 33			n.a.
T 12	13 52	6 46	5 3	20 31	2 11	5 23	2 9	10 40	0 0	5 26	1 36	7 50	2 49	24 20	0 27	3 16	2 0	35 31	13 39	16 8	16 13	18 32			n.a.
W13	14 13	2 32	4 36	20 55	2 11	4 57	2 11	10 57	0s 0	5 27	1 36	7 51	2 48	24 20	0 27	3 17	2 1	35 31	13 39	16 8	16 12	18 31			n.a.
T 14	14 33	1n55	3 54	21 19	2 11	4 30	2 13	11 14	0 1	5 28	1 36	7 52	2 48	24 20	0 27	3 18	2 1	35 31	13 39	16 8	16 11	18 29			n.a.
F 15	14 53	6 25	2 59	21 40	2 10	4 4	2 14	11 31	0 2	5 29	1 35	7 52	2 48	24 20	0 27	3 18	2 1	35 30	13 39	16 8	16 10	18 28			n.a.
S 16	15 13	10 44	1 52	22 0	2 9	3 37	2 15	11 48	0 3	5 30	1 35	7 53	2 48	24 20	0 27	3 19	2 1	35 30	13 38	16 8	16 10	18 27			n.a.
S 17	15 32	14 35	0 37	22 19	2 7	3 10	2 17	12 4	0 3	5 30	1 35	7 53	2 47	24 20	0 27	3 20	2 1	35 29	13 38	16 8	16 9	18 26			n.a.
M18	15 51	17 39	0s42	22 35	2 4	2 42	2 18	12 21	0 4	5 31	1 34	7 53	2 47	24 20	0 27	3 21	2 1	35 29	13 38	16 8	16 8	18 25			n.a.
T 19	16 10	19 38	2 0	22 49	2 0	2 15	2 19	12 38	0 5	5 32	1 34	7 54	2 47	24 20	0 27	3 22	2 1	35 29	13 37	16 8	16 7	18 24			n.a.
W20	16 29	20 21	3 10	23 2	1 56	1 47	2 19	12 54	0 5	5 32	1 34	7 54	2 46	24 20	0 27	3 22	2 1	35 28	13 37	16 8	16 6	18 22			n.a.
T 21	16 47	19 41	4 8	23 12	1 50	1 20	2 20	13 10	0 6	5 33	1 33	7 54	2 46	24 20	0 27	3 23	2 1	35 28	13 37	16 8	16 5	18 21			n.a.
F 22	17 5	17 43	4 50	23 20	1 44	0 52	2 21	13 27	0 7	5 33	1 33	7 55	2 46	24 20	0 27	3 24	2 1	35 27	13 37	16 8	16 4	18 20			n.a.
S 23	17 23	14 41	5 13	23 25	1 36	0 24	2 21	13 43	0 7	5 33	1 33	7 55	2 46	24 20	0 27	3 25	2 1	35 27	13 36	16 7	16 3	18 19			n.a.
S 24	17 40	10 50	5 17	23 28	1 28	0s 5	2 21	13 59	0 8	5 33	1 32	7 55	2 45	24 20	0 27	3 25	2 1	35 27	13 36	16 7	16 2	18 18			n.a.
M25	17 57	6 27	5 2	23 29	1 18	0 33	2 22	14 15	0 9	5 33	1 32	7 55	2 45	24 20	0 27	3 26	2 1	35 26	13 36	16 7	16 1	18 16			n.a.
T 26	18 14	1 49	4 30	23 26	1 7	1 1	2 22	14 31	0 9	5 33	1 32	7 55	2 45	24 20	0 27	3 27	2 1	35 26	13 36	16 8	16 0	18 15			n.a.
W27	18 31	2s51	3 44	23 22	0 55	1 29	2 22	14 46	0 10	5 33	1 31	7 55	2 44	24 20	0 27	3 27	2 1	35 25	13 35	16 8	15 59	18 14			n.a.
T 28	18 47	7 18	2 46	23 14	0 42	1 58	2 22	15 2	0 11	5 33	1 31	7 55	2 44	24 20	0 27	3 28	2 1	35 25	13 35	16 8	15 58	18 13			n.a.
F 29	19 2	11 20	1 41	23 5	0 28	2 26	2 21	15 17	0 11	5 33	1 31	7 55	2 44	24 20	0 27	3 29	2 1	35 25	13 35	16 8	15 57	18 12			n.a.
S 30	19s18	14s47	0s32	22s52	0s12	2s55	2n21	15s33	0s12	5s32	1s30	7s55	2s43	24n20	0n27	3s29	2n 1	35s24	13s35	16s 9	15s56	18s10			n.a.

Julian Day Number = 1117238.5, Delta T = 10h45m59s
Ecliptic obliquity = 23°53'09, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'31, Lahiri = -26°46'31 Julian Calendar 1 Nov. 1655 BCE == Greg. Calendar 18 Oct. 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1655 BCE
geocentric

DECEMBER 1655 BCE (-1654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 40 45	25♏42'56	20♏ 6	12♐21	13♎48	11♏36	19♓41	16°R31	0°R 7	13♎20	22♑ 7	13°R22	12♏37	17♑ 9	n.a.	S 1
M 2	3 44 42	26°44'12	2♐28	12°R21	15° 0	12°22	19°41	16♓31	0♋ 5	13°22	22° 8	13♏21	12°34	17°15	n.a.	M 2
T 3	3 48 38	27°45'27	14°41	12°10	16°11	13° 8	19°42	16°D31	0° 3	13°23	22°10	13°19	12°31	17°22	n.a.	T 3
W 4	3 52 35	28°46'42	26°44	11°47	17°23	13°53	19°43	16°31	0° 1	13°25	22°11	13°17	12°28	17°29	n.a.	W 4
T 5	3 56 31	29°47'56	8♑40	11°13	18°34	14°39	19°44	16°31	29♊59	13°27	22°12	13°15	12°25	17°36	n.a.	T 5
F 6	4 0 28	0♐49'09	20°32	10°27	19°46	15°25	19°45	16°32	29°57	13°28	22°13	13°12	12°21	17°42	n.a.	F 6
S 7	4 4 25	1°50'20	2♒23	9°32	20°58	16°11	19°47	16°32	29°55	13°30	22°14	13° 9	12°18	17°49	n.a.	S 7
S 8	4 8 21	2°51'31	14°16	8°28	22°10	16°57	19°49	16°33	29°52	13°32	22°15	13° 7	12°15	17°56	n.a.	S 8
M 9	4 12 18	3°52'41	26°16	7°18	23°22	17°44	19°51	16°34	29°50	13°33	22°16	13° 6	12°12	18° 2	n.a.	M 9
T 10	4 16 14	4°53'49	8♓27	6° 3	24°34	18°30	19°53	16°34	29°48	13°35	22°17	13°D 6	12° 9	18° 9	n.a.	T 10
W11	4 20 11	5°54'56	20°53	4°46	25°46	19°16	19°55	16°35	29°46	13°37	22°18	13° 6	12° 6	18°16	n.a.	W11
T 12	4 24 7	6°56'02	3♈40	3°29	26°58	20° 2	19°58	16°36	29°43	13°38	22°20	13° 8	12° 2	18°23	n.a.	T 12
F 13	4 28 4	7°57'07	16°51	2°15	28°10	20°48	20° 0	16°37	29°41	13°40	22°21	13°10	11°59	18°29	n.a.	F 13
S 14	4 32 0	8°58'10	0♉29	1° 5	29°22	21°34	20° 3	16°39	29°39	13°41	22°22	13°11	11°56	18°36	n.a.	S 14
S 15	4 35 57	9°59'12	14°33	0° 2	0♏34	22°21	20° 6	16°40	29°36	13°43	22°23	13°R11	11°53	18°43	n.a.	S 15
M16	4 39 54	11° 0'13	29° 1	29♏ 6	1°47	23° 7	20°10	16°42	29°34	13°44	22°25	13°11	11°50	18°49	n.a.	M16
T 17	4 43 50	12° 1'13	13♊50	28°18	2°59	23°53	20°13	16°43	29°31	13°45	22°26	13° 8	11°47	18°56	n.a.	T 17
W18	4 47 47	13° 2'11	28°50	27°38	4°12	24°39	20°17	16°45	29°29	13°47	22°27	13° 5	11°43	19° 3	n.a.	W18
T 19	4 51 43	14° 3'09	13♋54	27° 7	5°24	25°26	20°21	16°47	29°26	13°48	22°28	13° 0	11°40	19°10	n.a.	T 19
F 20	4 55 40	15° 4'05	28°51	26°46	6°36	26°12	20°25	16°49	29°24	13°49	22°30	12°55	11°37	19°16	n.a.	F 20
S 21	4 59 36	16° 5'00	13♌34	26°32	7°49	26°58	20°29	16°51	29°21	13°51	22°31	12°51	11°34	19°23	n.a.	S 21
S 22	5 3 33	17° 5'54	27°57	26°D27	9° 2	27°45	20°34	16°53	29°19	13°52	22°32	12°48	11°31	19°30	n.a.	S 22
M23	5 7 30	18° 6'47	11♍58	26°29	10°14	28°31	20°38	16°55	29°16	13°53	22°34	12°47	11°27	19°36	n.a.	M23
T 24	5 11 26	19° 7'39	25°35	26°39	11°27	29°18	20°43	16°57	29°14	13°54	22°35	12°D47	11°24	19°43	n.a.	T 24
W25	5 15 23	20° 8'30	8♎50	26°55	12°40	0♐ 4	20°48	17° 0	29°11	13°56	22°37	12°48	11°21	19°50	n.a.	W25
T 26	5 19 19	21° 9'19	21°46	27°18	13°52	0°51	20°53	17° 3	29° 8	13°57	22°38	12°49	11°18	19°57	n.a.	T 26
F 27	5 23 16	22°10'07	4♏27	27°46	15° 5	1°37	20°58	17° 5	29° 6	13°58	22°39	12°51	11°15	20° 3	n.a.	F 27
S 28	5 27 12	23°10'54	16°53	28°20	16°18	2°24	21° 4	17° 8	29° 3	13°59	22°41	12°R51	11°12	20°10	n.a.	S 28
S 29	5 31 9	24°11'40	29°10	28°58	17°31	3°10	21°10	17°11	29° 1	14° 0	22°42	12°50	11° 8	20°17	n.a.	S 29
M30	5 35 5	25°12'24	11♐18	29°40	18°44	3°57	21°15	17°14	28°58	14° 1	22°44	12°46	11° 5	20°23	n.a.	M30
T 31	5 39 2	26♐13'07	23♐20	0♐27	19♏57	4♐44	21♓21	17♓17	28♊55	14♎ 2	22♑45	12♏40	11♏ 2	20♑30	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19s33	17s30	0n37	22s37	0n 5	3s23	2n21	15s48	0s13	5s32	1s30	7s55	2s43	24n20	0n27	3s30	2n 1	35s24	13s34	16s 9	15s55	18s 9			n.a.
M 2	19 47	19 21	1 44	22 19	0 23	3 52	2 20	16 3	0 14	5 31	1 29	7 55	2 43	24 20	0 27	3 31	2 1	35 23	13 34	16 8	15 54	18 8			n.a.
T 3	20 2	20 16	2 45	21 59	0 41	4 20	2 19	16 18	0 14	5 31	1 29	7 54	2 43	24 20	0 27	3 31	2 1	35 23	13 34	16 8	15 53	18 7			n.a.
W 4	20 16	20 13	3 37	21 37	1 1	4 49	2 19	16 32	0 15	5 30	1 29	7 54	2 42	24 20	0 27	3 32	2 1	35 22	13 34	16 7	15 52	18 6			n.a.
T 5	20 29	19 16	4 20	21 13	1 20	5 17	2 18	16 47	0 16	5 29	1 28	7 54	2 42	24 20	0 27	3 33	2 1	35 22	13 33	16 6	15 51	18 4			n.a.
F 6	20 42	17 29	4 51	20 47	1 40	5 46	2 17	17 1	0 16	5 28	1 28	7 53	2 42	24 20	0 27	3 33	2 1	35 22	13 33	16 5	15 50	18 3			n.a.
S 7	20 55	14 58	5 10	20 20	1 59	6 14	2 16	17 16	0 17	5 28	1 28	7 53	2 41	24 20	0 27	3 34	2 1	35 21	13 33	16 5	15 49	18 2			n.a.
S 8	21 7	11 50	5 15	19 52	2 17	6 42	2 15	17 30	0 18	5 26	1 27	7 52	2 41	24 20	0 27	3 35	2 1	35 21	13 33	16 4	15 48	18 1			n.a.
M 9	21 19	8 11	5 7	19 24	2 34	7 10	2 14	17 44	0 18	5 25	1 27	7 52	2 41	24 20	0 27	3 35	2 2	35 20	13 33	16 4	15 47	17 59			n.a.
T 10	21 31	4 10	4 45	18 57	2 49	7 39	2 12	17 57	0 19	5 24	1 27	7 51	2 40	24 20	0 27	3 36	2 2	35 20	13 32	16 4	15 46	17 58			n.a.
W11	21 42	0n 8	4 9	18 30	3 2	8 6	2 11	18 11	0 20	5 23	1 26	7 50	2 40	24 20	0 27	3 36	2 2	35 20	13 32	16 4	15 45	17 57			n.a.
T 12	21 52	4 33	3 21	18 5	3 13	8 34	2 10	18 24	0 20	5 22	1 26	7 50	2 40	24 20	0 27	3 37	2 2	35 19	13 32	16 4	15 44	17 56			n.a.
F 13	22 3	8 53	2 20	17 42	3 22	9 2	2 8	18 38	0 21	5 20	1 26	7 49	2 40	24 20	0 27	3 37	2 2	35 19	13 32	16 5	15 43	17 54			n.a.
S 14	22 12	12 56	1 9	17 22	3 28	9 29	2 6	18 51	0 22	5 19	1 25	7 48	2 39	24 20	0 27	3 38	2 2	35 18	13 32	16 5	15 42	17 53			n.a.
S 15	22 22	16 23	0s 7	17 5	3 32	9 57	2 5	19 4	0 23	5 17	1 25	7 47	2 39	24 20	0 27	3 38	2 2	35 18	13 31	16 5	15 41	17 52			n.a.
M16	22 31	18 55	1 26	16 52	3 33	10 24	2 3	19 16	0 23	5 16	1 25	7 46	2 39	24 20	0 27	3 39	2 2	35 17	13 31	16 5	15 40	17 51			n.a.
T 17	22 39	20 14	2 40	16 42	3 33	10 51	2 1	19 29	0 24	5 14	1 24	7 46	2 38	24 20	0 27	3 39	2 2	35 17	13 31	16 4	15 39	17 49			n.a.
W18	22 47	20 8	3 44	16 35	3 30	11 17	1 59	19 41	0 25	5 12	1 24	7 45	2 38	24 20	0 27	3 40	2 2	35 17	13 31	16 3	15 38	17 48			n.a.
T 19	22 55	18 37	4 33	16 32	3 27	11 44	1 57	19 53	0 25	5 10	1 24	7 44	2 38	24 20	0 27	3 40	2 2	35 16	13 31	16 2	15 37	17 47			n.a.
F 20	23 2	15 50	5 3	16 32	3 21	12 10	1 55	20 5	0 26	5 8	1 23	7 43	2 37	24 20	0 27	3 41	2 2	35 16	13 31	16 0	15 36	17 46			n.a.
S 21	23 9	12 5	5 12	16 35	3 15	12 36	1 53	20 17	0 27	5 6	1 23	7 41	2 37	24 20	0 27	3 41	2 2	35 15	13 30	15 59	15 35	17 44			n.a.
S 22	23 15	7 42	5 1	16 41	3 8	13 1	1 51	20 28	0 27	5 4	1 23	7 40	2 37	24 21	0 27	3 42	2 2	35 15	13 30	15 58	15 34	17 43			n.a.
M23	23 21	3 1	4 33	16 49	3 0	13 27	1 49	20 39	0 28	5 2	1 22	7 39	2 37	24 21	0 27	3 42	2 2	35 15	13 30	15 58	15 33	17 42			n.a.
T 24	23 26	1s43	3 49	17 0	2 51	13 52	1 46	20 51	0 29	5 0	1 22	7 38	2 36	24 21	0 28	3 43	2 2	35 14	13 30	15 58	15 32	17 40			n.a.
W25	23 31	6 14	2 55	17 13	2 42	14 17	1 44	21 1	0 29	4 57	1 21	7 37	2 36	24 21	0 28	3 43	2 2	35 14	13 30	15 58	15 31	17 39			n.a.
T 26	23 35	10 22	1 52	17 27	2 32	14 41	1 42	21 12	0 30	4 55	1 21	7 35	2 36	24 20	0 28	3 43	2 2	35 13	13 30	15 59	15 30	17 38			n.a.
F 27	23 39	13 57	0 46	17 43	2 22	15 5	1 39	21 22	0 31	4 53	1 21	7 34	2 35	24 20	0 28	3 44	2 3	35 13	13 29	15 59	15 29	17 37			n.a.
S 28	23 42	16 51	0n22	18 1	2 12	15 29	1 37	21 33	0 32	4 50	1 21	7 33	2 35	24 20	0 28	3 44	2 3	35 13	13 29	15 59	15 28	17 35			n.a.
S 29	23 45	18 55	1 27	18 19	2 2	15 52	1 34	21 43	0 32	4 48	1 20	7 31	2 35	24 20	0 28	3 45	2 3	35 12	13 29	15 59	15 27	17 34			n.a.
M30	23 48	20 7	2 28	18 38	1 52	16 15	1 32	21 52	0 33	4 45	1 20	7 30	2 34	24 20	0 28	3 45	2 3	35 12	13 29	15 57	15 26	17 33			n.a.
T 31	23s50	20s22	3n21	18s58	1n41	16s38	1n29	22s 2	0s34	4s42	1s20	7s28	2s34	24n20	0n28	3s45	2n 3	35s11	13s29	15s56	15s25	17s31			n.a.

Julian Day Number = 1117268.5, Delta T = 10h45m57s
Ecliptic obliquity = 23°53'08, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'27, Lahiri = -26°46'27 Julian Calendar 1 Dec. 1655 BCE == Greg. Calendar 17 Nov. 1655 BCE

The year -1654 astronomical counting style corresponds to year 1655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

JANUARY 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 42 59	27♐13'48	5♑17	1♐17	21♏10	5♐30	21♓28	17♓20	28°R53	14♎ 3	22♑47	12°R32	10♏59	20♑37	n.a.	W 1
T 2	5 46 55	28°14'27	17°10	2°11	22°22	6°17	21°34	17°24	28♊50	14° 4	22°48	12♏23	10°56	20°44	n.a.	T 2
F 3	5 50 52	29°15'05	29° 1	3° 7	23°35	7° 4	21°41	17°27	28°47	14° 5	22°50	12°14	10°53	20°50	n.a.	F 3
S 4	5 54 48	0♑15'41	10♒53	4° 7	24°48	7°50	21°47	17°30	28°45	14° 6	22°51	12° 5	10°49	20°57	n.a.	S 4
S 5	5 58 45	1°16'14	22°47	5° 9	26° 1	8°37	21°54	17°34	28°42	14° 7	22°53	11°57	10°46	21° 4	n.a.	S 5
M 6	6 2 41	2°16'46	4♓46	6°14	27°14	9°24	22° 1	17°38	28°39	14° 7	22°54	11°51	10°43	21°10	n.a.	M 6
T 7	6 6 38	3°17'16	16°55	7°21	28°27	10°10	22° 8	17°42	28°37	14° 8	22°56	11°47	10°40	21°17	n.a.	T 7
W 8	6 10 34	4°17'43	29°17	8°29	29°40	10°57	22°15	17°46	28°34	14° 9	22°57	11°D45	10°37	21°24	n.a.	W 8
T 9	6 14 31	5°18'09	11♈57	9°40	0♐53	11°44	22°23	17°50	28°32	14°10	22°59	11°45	10°33	21°31	n.a.	T 9
F 10	6 18 28	6°18'32	25° 0	10°53	2° 7	12°31	22°31	17°54	28°29	14°10	23° 0	11°46	10°30	21°37	n.a.	F 10
S 11	6 22 24	7°18'54	8♉29	12° 8	3°20	13°17	22°38	17°58	28°26	14°11	23° 2	11°R47	10°27	21°44	n.a.	S 11
S 12	6 26 21	8°19'13	22°26	13°24	4°33	14° 4	22°46	18° 2	28°24	14°12	23° 3	11°47	10°24	21°51	n.a.	S 12
M13	6 30 17	9°19'30	6♊53	14°41	5°46	14°51	22°54	18° 6	28°21	14°12	23° 5	11°44	10°21	21°58	n.a.	M13
T 14	6 34 14	10°19'45	21°45	16° 1	6°59	15°38	23° 2	18°11	28°19	14°13	23° 7	11°39	10°18	22° 4	n.a.	T 14
W15	6 38 10	11°19'58	6♋56	17°21	8°12	16°24	23°11	18°15	28°16	14°13	23° 8	11°32	10°14	22°11	n.a.	W15
T 16	6 42 7	12°20'09	22°16	18°43	9°25	17°11	23°19	18°20	28°14	14°14	23°10	11°23	10°11	22°18	n.a.	T 16
F 17	6 46 3	13°20'17	7♌33	20° 7	10°38	17°58	23°28	18°25	28°11	14°14	23°11	11°13	10° 8	22°24	n.a.	F 17
S 18	6 50 0	14°20'24	22°36	21°31	11°51	18°45	23°36	18°30	28° 9	14°14	23°13	11° 4	10° 5	22°31	n.a.	S 18
S 19	6 53 57	15°20'30	7♍18	22°57	13° 5	19°31	23°45	18°34	28° 6	14°15	23°15	10°57	10° 2	22°38	n.a.	S 19
M20	6 57 53	16°20'33	21°31	24°24	14°18	20°18	23°54	18°39	28° 4	14°15	23°16	10°52	9°59	22°45	n.a.	M20
T 21	7 1 50	17°20'34	5♎16	25°53	15°31	21° 5	24° 3	18°44	28° 1	14°15	23°18	10°50	9°55	22°51	n.a.	T 21
W22	7 5 46	18°20'34	18°34	27°22	16°44	21°52	24°12	18°50	27°59	14°16	23°19	10°D49	9°52	22°58	n.a.	W22
T 23	7 9 43	19°20'32	1♏27	28°53	17°57	22°39	24°22	18°55	27°56	14°16	23°21	10°49	9°49	23° 5	n.a.	T 23
F 24	7 13 39	20°20'29	14° 0	0♑25	19°11	23°26	24°31	19° 0	27°54	14°16	23°23	10°R50	9°46	23°11	n.a.	F 24
S 25	7 17 36	21°20'23	26°17	1°58	20°24	24°12	24°41	19° 5	27°52	14°16	23°24	10°48	9°43	23°18	n.a.	S 25
S 26	7 21 32	22°20'16	8♐24	3°32	21°37	24°59	24°51	19°11	27°49	14°16	23°26	10°45	9°39	23°25	n.a.	S 26
M27	7 25 29	23°20'06	20°22	5° 7	22°50	25°46	25° 0	19°16	27°47	14°17	23°27	10°39	9°36	23°32	n.a.	M27
T 28	7 29 25	24°19'55	2♑16	6°44	24° 4	26°33	25°10	19°22	27°45	14°17	23°29	10°30	9°33	23°38	n.a.	T 28
W29	7 33 22	25°19'41	14° 8	8°22	25°17	27°20	25°20	19°28	27°42	14°17	23°31	10°18	9°30	23°45	n.a.	W29
T 30	7 37 19	26°19'26	26° 0	10° 0	26°30	28° 6	25°31	19°33	27°40	14°R17	23°32	10° 5	9°27	23°52	n.a.	T 30
F 31	7 41 15	27♑19'08	7♒52	11♑40	27♐43	28♐53	25♓41	19♓39	27♊38	14♎17	23♑34	9♏50	9♏24	23♑58	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	23 s51	19 s42	4n 5	19 s19	1n31	17 s 0	1n26	22 s11	0 s34	4 s39	1 s19	7 s27	2 s34	24n20	0n28	3 s46	2n 3	35 s11	13 s29	15 s53	15 s24	17 s30			n.a.
T 2	23 52	18 10	4 38	19 40	1 21	17 22	1 24	22 20	0 35	4 37	1 19	7 25	2 34	24 20	0 28	3 46	2 3	35 11	13 29	15 50	15 23	17 29			n.a.
F 3	23 53	15 52	4 59	20 1	1 11	17 43	1 21	22 29	0 36	4 34	1 19	7 24	2 33	24 20	0 28	3 46	2 3	35 10	13 29	15 48	15 22	17 27			n.a.
S 4	23 53	12 55	5 7	20 22	1 1	18 4	1 18	22 37	0 36	4 31	1 18	7 22	2 33	24 20	0 28	3 46	2 3	35 10	13 29	15 45	15 21	17 26			n.a.
S 5	23 53	9 26	5 2	20 43	0 51	18 24	1 15	22 45	0 37	4 28	1 18	7 20	2 33	24 20	0 28	3 47	2 3	35 10	13 28	15 42	15 20	17 25			n.a.
M 6	23 52	5 33	4 43	21 4	0 41	18 44	1 12	22 53	0 38	4 25	1 18	7 19	2 33	24 20	0 28	3 47	2 3	35 9	13 28	15 40	15 19	17 24			n.a.
T 7	23 51	1 25	4 12	21 25	0 32	19 3	1 10	23 1	0 38	4 21	1 17	7 17	2 32	24 20	0 28	3 47	2 3	35 9	13 28	15 39	15 18	17 22			n.a.
W 8	23 49	2n53	3 28	21 45	0 23	19 22	1 7	23 9	0 39	4 18	1 17	7 15	2 32	24 20	0 28	3 47	2 3	35 8	13 28	15 39	15 17	17 21			n.a.
T 9	23 47	7 9	2 33	22 6	0 14	19 41	1 4	23 16	0 40	4 15	1 17	7 13	2 32	24 20	0 28	3 48	2 3	35 8	13 28	15 39	15 16	17 20			n.a.
F 10	23 44	11 14	1 29	22 25	0 5	19 59	1 1	23 23	0 40	4 12	1 16	7 11	2 31	24 20	0 28	3 48	2 3	35 8	13 28	15 39	15 15	17 18			n.a.
S 11	23 41	14 52	0 18	22 44	0 s 4	20 16	0 58	23 30	0 41	4 8	1 16	7 9	2 31	24 20	0 28	3 48	2 3	35 7	13 28	15 39	15 14	17 17			n.a.
S 12	23 37	17 48	0 s57	23 2	0 13	20 33	0 55	23 36	0 42	4 5	1 16	7 7	2 31	24 20	0 28	3 48	2 4	35 7	13 28	15 39	15 13	17 16			n.a.
M13	23 33	19 44	2 10	23 20	0 21	20 49	0 52	23 42	0 42	4 1	1 16	7 5	2 31	24 20	0 28	3 48	2 4	35 7	13 28	15 38	15 12	17 14			n.a.
T 14	23 28	20 21	3 17	23 37	0 29	21 5	0 49	23 48	0 43	3 58	1 15	7 3	2 30	24 20	0 28	3 49	2 4	35 6	13 28	15 37	15 11	17 13			n.a.
W15	23 23	19 32	4 11	23 53	0 36	21 20	0 46	23 54	0 44	3 54	1 15	7 1	2 30	24 20	0 28	3 49	2 4	35 6	13 28	15 34	15 10	17 12			n.a.
T 16	23 18	17 17	4 47	24 8	0 44	21 34	0 43	23 59	0 44	3 50	1 15	6 59	2 30	24 20	0 28	3 49	2 4	35 6	13 28	15 32	15 9	17 10			n.a.
F 17	23 12	13 51	5 3	24 21	0 51	21 48	0 40	24 4	0 45	3 47	1 14	6 57	2 30	24 20	0 28	3 49	2 4	35 5	13 28	15 29	15 8	17 9			n.a.
S 18	23 6	9 33	4 58	24 34	0 58	22 1	0 37	24 9	0 45	3 43	1 14	6 55	2 29	24 20	0 28	3 49	2 4	35 5	13 28	15 26	15 7	17 8			n.a.
S 19	22 59	4 47	4 33	24 46	1 5	22 14	0 34	24 14	0 46	3 39	1 14	6 53	2 29	24 20	0 28	3 49	2 4	35 5	13 28	15 23	15 6	17 6			n.a.
M20	22 52	0 s 6	3 51	24 57	1 11	22 26	0 31	24 18	0 47	3 35	1 14	6 51	2 29	24 20	0 28	3 49	2 4	35 4	13 28	15 22	15 5	17 5			n.a.
T 21	22 44	4 50	2 57	25 6	1 17	22 37	0 28	24 22	0 47	3 31	1 13	6 48	2 29	24 20	0 28	3 49	2 4	35 4	13 28	15 21	15 4	17 3			n.a.
W22	22 36	9 11	1 56	25 14	1 23	22 48	0 25	24 26	0 48	3 27	1 13	6 46	2 28	24 20	0 28	3 49	2 4	35 4	13 28	15 21	15 3	17 2			n.a.
T 23	22 28	12 58	0 50	25 21	1 28	22 58	0 22	24 29	0 49	3 23	1 13	6 44	2 28	24 20	0 28	3 49	2 4	35 3	13 28	15 21	15 2	17 1			n.a.
F 24	22 19	16 4	0n17	25 26	1 33	23 7	0 19	24 32	0 49	3 19	1 13	6 42	2 28	24 20	0 28	3 49	2 4	35 3	13 28	15 21	15 1	16 59			n.a.
S 25	22 9	18 22	1 21	25 30	1 38	23 16	0 16	24 35	0 50	3 15	1 12	6 39	2 28	24 20	0 28	3 49	2 4	35 3	13 28	15 21	15 0	16 58			n.a.
S 26	22 0	19 48	2 21	25 32	1 42	23 24	0 13	24 38	0 50	3 11	1 12	6 37	2 28	24 20	0 28	3 49	2 5	35 3	13 28	15 20	14 59	16 57			n.a.
M27	21 50	20 19	3 13	25 33	1 46	23 31	0 10	24 40	0 51	3 7	1 12	6 34	2 27	24 20	0 28	3 49	2 5	35 2	13 28	15 18	14 58	16 55			n.a.
T 28	21 39	19 55	3 57	25 32	1 50	23 38	0 7	24 42	0 52	3 3	1 12	6 32	2 27	24 20	0 28	3 49	2 5	35 2	13 28	15 15	14 57	16 54			n.a.
W29	21 28	18 39	4 30	25 30	1 53	23 44	0 4	24 44	0 52	2 58	1 11	6 29	2 27	24 20	0 28	3 49	2 5	35 2	13 28	15 11	14 55	16 53			n.a.
T 30	21 17	16 35	4 51	25 26	1 56	23 49	0 1	24 45	0 53	2 54	1 11	6 27	2 27	24 20	0 28	3 49	2 5	35 2	13 28	15 7	14 54	16 51			n.a.
F 31	21 s 5	13 s49	5n 0	25 s20	1 s58	23 s54	0 s 2	24 s46	0 s53	2 s50	1 s11	6 s24	2 s26	24n20	0n28	3 s49	2n 5	35 s 1	13 s28	15 s 2	14 s53	16 s50			n.a.

Julian Day Number = 1117299.5, Delta T = 10h45m55s
Ecliptic obliquity = 23°53'08, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'23, Lahiri = -26°46'23 Julian Calendar 1 Jan. 1654 BCE == Greg. Calendar 18 Dec. 1655 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

FEBRUARY 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 45 12	28♉18'48	19♒47	13♉22	28♐57	29♐40	25♓51	19♓45	27°R36	14°R17	23♉36	9°R36	9♏20	24♉ 5	n.a.	S 1
S 2	7 49 8	29°18'26	1♓45	15° 4	0♉10	0♉27	26° 2	19°51	27♊34	14♎16	23°37	9♏24	9°17	24°12	n.a.	S 2
M 3	7 53 5	0♒18'01	13°49	16°48	1°23	1°14	26°12	19°57	27°32	14°16	23°39	9°14	9°14	24°19	n.a.	M 3
T 4	7 57 1	1°17'34	26° 1	18°33	2°37	2° 0	26°23	20° 3	27°30	14°16	23°40	9° 7	9°11	24°25	n.a.	T 4
W 5	8 0 58	2°17'05	8♈25	20°19	3°50	2°47	26°34	20° 9	27°28	14°16	23°42	9° 2	9° 8	24°32	n.a.	W 5
T 6	8 4 54	3°16'33	21° 3	22° 6	5° 3	3°34	26°45	20°15	27°26	14°16	23°44	9° 1	9° 4	24°39	n.a.	T 6
F 7	8 8 51	4°15'58	4♉ 1	23°55	6°16	4°21	26°56	20°22	27°24	14°15	23°45	9° 0	9° 1	24°45	n.a.	F 7
S 8	8 12 48	5°15'21	17°21	25°45	7°30	5° 8	27° 7	20°28	27°22	14°15	23°47	9° 0	8°58	24°52	n.a.	S 8
S 9	8 16 44	6°14'42	1♊ 8	27°36	8°43	5°54	27°18	20°34	27°20	14°15	23°48	8°59	8°55	24°59	n.a.	S 9
M10	8 20 41	7°14'00	15°23	29°28	9°56	6°41	27°29	20°41	27°18	14°15	23°50	8°56	8°52	25° 6	n.a.	M10
T 11	8 24 37	8°13'16	0♋ 4	1♒22	11° 9	7°28	27°40	20°47	27°16	14°14	23°51	8°50	8°49	25°12	n.a.	T 11
W12	8 28 34	9°12'30	15° 6	3°17	12°23	8°14	27°52	20°54	27°14	14°14	23°53	8°42	8°45	25°19	n.a.	W12
T 13	8 32 30	10°11'41	0♌23	5°13	13°36	9° 1	28° 3	21° 0	27°13	14°13	23°55	8°31	8°42	25°26	n.a.	T 13
F 14	8 36 27	11°10'49	15°42	7°10	14°49	9°48	28°15	21° 7	27°11	14°13	23°56	8°20	8°39	25°33	n.a.	F 14
S 15	8 40 23	12° 9'56	0♍52	9° 9	16° 3	10°34	28°26	21°14	27° 9	14°12	23°58	8° 9	8°36	25°39	n.a.	S 15
S 16	8 44 20	13° 9'00	15°43	11° 9	17°16	11°21	28°38	21°20	27° 8	14°12	23°59	8° 0	8°33	25°46	n.a.	S 16
M17	8 48 16	14° 8'03	0♎ 8	13° 9	18°29	12° 8	28°50	21°27	27° 6	14°11	24° 1	7°53	8°30	25°53	n.a.	M17
T 18	8 52 13	15° 7'03	14° 3	15°11	19°42	12°54	29° 2	21°34	27° 5	14°10	24° 2	7°50	8°26	25°59	n.a.	T 18
W19	8 56 10	16° 6'01	27°28	17°14	20°56	13°41	29°14	21°41	27° 3	14°10	24° 4	7°48	8°23	26° 6	n.a.	W19
T 20	9 0 6	17° 4'58	10♏26	19°17	22° 9	14°27	29°26	21°48	27° 2	14° 9	24° 5	7°48	8°20	26°13	n.a.	T 20
F 21	9 4 3	18° 3'53	23° 1	21°21	23°22	15°14	29°38	21°55	27° 0	14° 8	24° 7	7°48	8°17	26°20	n.a.	F 21
S 22	9 7 59	19° 2'45	5♐18	23°25	24°36	16° 0	29°50	22° 2	26°59	14° 8	24° 8	7°47	8°14	26°26	n.a.	S 22
S 23	9 11 56	20° 1'36	17°21	25°30	25°49	16°47	0♈ 2	22° 9	26°58	14° 7	24°10	7°44	8°10	26°33	n.a.	S 23
M24	9 15 52	21° 0'25	29°17	27°34	27° 2	17°33	0°15	22°16	26°57	14° 6	24°11	7°38	8° 7	26°40	n.a.	M24
T 25	9 19 49	21°59'13	11♉ 8	29°38	28°16	18°20	0°27	22°23	26°55	14° 5	24°13	7°30	8° 4	26°46	n.a.	T 25
W26	9 23 45	22°57'58	22°58	1♓41	29°29	19° 6	0°40	22°31	26°54	14° 5	24°14	7°19	8° 1	26°53	n.a.	W26
T 27	9 27 42	23°56'41	4♒50	3°43	0♒42	19°53	0°52	22°38	26°53	14° 4	24°16	7° 7	7°58	27° 0	n.a.	T 27
F 28	9 31 38	24♒55'22	16♒46	5♓44	1♒56	20♉39	1♈ 5	22♓45	26♊52	14♎ 3	24♉17	6♏53	7♏55	27♉ 7	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s53	10s29	4n55	25s12	2s 0	23s57	0s 5	24s47	0s54	2s45	1s11	6s22	2s26	24n19	0n28	3s49	2n 5	35s 1	13s28	14s57	14s52	16s48		n.a.
S 2	20 41	6 44	4 38	25 2	2 2	24 1	0 7	24 48	0 55	2 41	1 10	6 19	2 26	24 19	0 28	3 49	2 5	35 1	13 28	14 53	14 51	16 47		n.a.
M 3	20 28	2 40	4 8	24 51	2 3	24 3	0 10	24 48	0 55	2 36	1 10	6 17	2 26	24 19	0 28	3 49	2 5	35 0	13 28	14 50	14 50	16 46		n.a.
T 4	20 15	1n32	3 26	24 37	2 4	24 5	0 13	24 48	0 56	2 32	1 10	6 14	2 26	24 19	0 28	3 49	2 5	35 0	13 28	14 48	14 49	16 44		n.a.
W 5	20 1	5 45	2 34	24 22	2 4	24 6	0 16	24 48	0 56	2 27	1 10	6 12	2 25	24 19	0 28	3 49	2 5	35 0	13 28	14 47	14 48	16 43		n.a.
T 6	19 47	9 48	1 33	24 4	2 4	24 6	0 19	24 47	0 57	2 23	1 9	6 9	2 25	24 19	0 28	3 48	2 5	35 0	13 28	14 46	14 47	16 41		n.a.
F 7	19 33	13 30	0 26	23 45	2 3	24 5	0 21	24 46	0 57	2 18	1 9	6 6	2 25	24 19	0 28	3 48	2 5	35 0	13 28	14 46	14 46	16 40		n.a.
S 8	19 18	16 38	0s44	23 24	2 2	24 4	0 24	24 45	0 58	2 13	1 9	6 3	2 25	24 19	0 28	3 48	2 5	34 59	13 29	14 46	14 45	16 39		n.a.
S 9	19 4	18 55	1 54	23 0	2 1	24 2	0 26	24 44	0 59	2 9	1 9	6 1	2 25	24 19	0 28	3 48	2 5	34 59	13 29	14 45	14 44	16 37		n.a.
M10	18 48	20 6	2 59	22 34	1 58	23 59	0 29	24 42	0 59	2 4	1 9	5 58	2 24	24 19	0 28	3 48	2 6	34 59	13 29	14 44	14 43	16 36		n.a.
T 11	18 33	19 58	3 55	22 6	1 56	23 56	0 32	24 40	1 0	1 59	1 8	5 55	2 24	24 19	0 28	3 47	2 6	34 59	13 29	14 43	14 42	16 34		n.a.
W12	18 17	18 27	4 36	21 36	1 52	23 52	0 34	24 38	1 0	1 54	1 8	5 52	2 24	24 19	0 28	3 47	2 6	34 59	13 29	14 40	14 41	16 33		n.a.
T 13	18 1	15 36	4 57	21 4	1 49	23 47	0 37	24 35	1 1	1 49	1 8	5 50	2 24	24 19	0 28	3 47	2 6	34 58	13 29	14 36	14 40	16 32		n.a.
F 14	17 45	11 42	4 58	20 30	1 44	23 41	0 39	24 32	1 1	1 45	1 8	5 47	2 24	24 19	0 28	3 47	2 6	34 58	13 29	14 33	14 39	16 30		n.a.
S 15	17 28	7 3	4 37	19 54	1 39	23 35	0 41	24 29	1 2	1 40	1 7	5 44	2 24	24 19	0 28	3 46	2 6	34 58	13 29	14 29	14 38	16 29		n.a.
S 16	17 11	2 5	3 58	19 15	1 34	23 28	0 44	24 26	1 2	1 35	1 7	5 41	2 23	24 19	0 28	3 46	2 6	34 58	13 29	14 26	14 37	16 27		n.a.
M17	16 54	2s52	3 5	18 35	1 28	23 20	0 46	24 22	1 3	1 30	1 7	5 38	2 23	24 19	0 28	3 46	2 6	34 58	13 30	14 24	14 36	16 26		n.a.
T 18	16 36	7 31	2 2	17 52	1 21	23 12	0 48	24 18	1 3	1 25	1 7	5 35	2 23	24 19	0 28	3 46	2 6	34 57	13 30	14 23	14 35	16 24		n.a.
W19	16 18	11 36	0 54	17 7	1 14	23 3	0 50	24 14	1 4	1 20	1 7	5 32	2 23	24 19	0 28	3 45	2 6	34 57	13 30	14 22	14 34	16 23		n.a.
T 20	16 0	15 0	0n14	16 21	1 6	22 53	0 52	24 9	1 4	1 15	1 7	5 29	2 23	24 19	0 28	3 45	2 6	34 57	13 30	14 22	14 33	16 22		n.a.
F 21	15 42	17 35	1 20	15 33	0 57	22 43	0 55	24 4	1 5	1 10	1 6	5 26	2 23	24 19	0 28	3 45	2 6	34 57	13 30	14 22	14 32	16 20		n.a.
S 22	15 23	19 17	2 20	14 43	0 48	22 32	0 57	23 59	1 5	1 4	1 6	5 24	2 23	24 19	0 28	3 44	2 6	34 57	13 30	14 22	14 31	16 19		n.a.
S 23	15 5	20 4	3 13	13 52	0 39	22 20	0 59	23 54	1 6	0 59	1 6	5 21	2 22	24 19	0 28	3 44	2 6	34 57	13 31	14 21	14 30	16 17		n.a.
M24	14 46	19 56	3 57	13 0	0 29	22 8	1 0	23 48	1 6	0 54	1 6	5 18	2 22	24 18	0 28	3 44	2 6	34 57	13 31	14 19	14 29	16 16		n.a.
T 25	14 26	18 55	4 30	12 6	0 18	21 55	1 2	23 42	1 7	0 49	1 6	5 15	2 22	24 18	0 28	3 43	2 6	34 57	13 31	14 16	14 27	16 14		n.a.
W26	14 7	17 6	4 52	11 11	0 8	21 41	1 4	23 36	1 7	0 44	1 5	5 12	2 22	24 18	0 27	3 43	2 6	34 56	13 31	14 13	14 26	16 13		n.a.
T 27	13 47	14 33	5 1	10 16	0n 4	21 27	1 6	23 30	1 8	0 39	1 5	5 8	2 22	24 18	0 27	3 42	2 7	34 56	13 31	14 8	14 25	16 12		n.a.
F 28	13s27	11s24	4n56	9s21	0n15	21s12	1s 8	23s23	1s 8	0s33	1s 5	5s 5	2s22	24n18	0n27	3s42	2n 7	34s56	13s31	14s 4	14s24	16s10		n.a.

Julian Day Number = 1117330.5, Delta T = 10h45m53s
Ecliptic obliquity = 23°53'08, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'19, Lahiri = -26°46'18 Julian Calendar 1 Feb. 1654 BCE == Greg. Calendar 18 Jan. 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

MARCH 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 35 35	25♒54'01	28♒47	7♓43	3♒ 9	21♑26	1♈17	22♓53	26°R51	14°R 2	24♑19	6°R40	7♏51	27♑13	n.a.	S 1
S 2	9 39 32	26°52'37	10♓54	9°40	4°22	22°12	1°30	23° 0	26♊50	14♎ 1	24°20	6♏28	7°48	27°20	n.a.	S 2
M 3	9 43 28	27°51'12	23° 8	11°35	5°36	22°58	1°43	23° 7	26°49	14° 0	24°21	6°19	7°45	27°27	n.a.	M 3
T 4	9 47 25	28°49'44	5♈31	13°27	6°49	23°45	1°56	23°15	26°49	13°59	24°23	6°12	7°42	27°34	n.a.	T 4
W 5	9 51 21	29°48'15	18° 4	15°16	8° 2	24°31	2° 8	23°22	26°48	13°58	24°24	6° 9	7°39	27°40	n.a.	W 5
T 6	9 55 18	0♓46'42	0♉50	17° 2	9°15	25°17	2°21	23°30	26°47	13°57	24°25	6°D 7	7°36	27°47	n.a.	T 6
F 7	9 59 14	1°45'08	13°52	18°44	10°29	26° 3	2°34	23°37	26°46	13°56	24°27	6° 7	7°32	27°54	n.a.	F 7
S 8	10 3 11	2°43'32	27°12	20°22	11°42	26°49	2°47	23°45	26°46	13°55	24°28	6°R 8	7°29	28° 0	n.a.	S 8
S 9	10 7 7	3°41'53	10♊53	21°56	12°55	27°36	3° 0	23°52	26°45	13°54	24°29	6° 7	7°26	28° 7	n.a.	S 9
M10	10 11 4	4°40'12	24°56	23°26	14° 9	28°22	3°14	24° 0	26°45	13°52	24°31	6° 6	7°23	28°14	n.a.	M10
T 11	10 15 0	5°38'28	9♋21	24°51	15°22	29° 8	3°27	24° 8	26°44	13°51	24°32	6° 2	7°20	28°21	n.a.	T 11
W12	10 18 57	6°36'43	24° 6	26°12	16°35	29°54	3°40	24°15	26°44	13°50	24°33	5°56	7°16	28°27	n.a.	W12
T 13	10 22 54	7°34'55	9♌ 4	27°28	17°49	0♒40	3°53	24°23	26°43	13°49	24°34	5°48	7°13	28°34	n.a.	T 13
F 14	10 26 50	8°33'05	24° 7	28°39	19° 2	1°26	4° 6	24°31	26°43	13°48	24°36	5°39	7°10	28°41	n.a.	F 14
S 15	10 30 47	9°31'13	9♍ 5	29°45	20°15	2°12	4°20	24°38	26°43	13°46	24°37	5°31	7° 7	28°47	n.a.	S 15
S 16	10 34 43	10°29'19	23°50	0♈46	21°29	2°58	4°33	24°46	26°43	13°45	24°38	5°24	7° 4	28°54	n.a.	S 16
M17	10 38 40	11°27'24	8♎13	1°42	22°42	3°43	4°46	24°54	26°42	13°44	24°39	5°19	7° 1	29° 1	n.a.	M17
T 18	10 42 36	12°25'26	22°10	2°33	23°55	4°29	5° 0	25° 1	26°42	13°43	24°41	5°16	6°57	29° 8	n.a.	T 18
W19	10 46 33	13°23'27	5♏40	3°18	25° 8	5°15	5°13	25° 9	26°D42	13°41	24°42	5°D15	6°54	29°14	n.a.	W19
T 20	10 50 29	14°21'27	18°44	3°59	26°22	6° 1	5°27	25°17	26°42	13°40	24°43	5°16	6°51	29°21	n.a.	T 20
F 21	10 54 26	15°19'25	1♐24	4°34	27°35	6°47	5°40	25°25	26°42	13°39	24°44	5°17	6°48	29°28	n.a.	F 21
S 22	10 58 22	16°17'21	13°44	5° 3	28°48	7°32	5°54	25°33	26°42	13°37	24°45	5°R18	6°45	29°35	n.a.	S 22
S 23	11 2 19	17°15'17	25°50	5°27	0♓ 2	8°18	6° 8	25°41	26°43	13°36	24°46	5°17	6°41	29°41	n.a.	S 23
M24	11 6 16	18°13'10	7♑47	5°46	1°15	9° 3	6°21	25°48	26°43	13°34	24°47	5°15	6°38	29°48	n.a.	M24
T 25	11 10 12	19°11'02	19°39	6° 0	2°28	9°49	6°35	25°56	26°43	13°33	24°48	5°11	6°35	29°55	n.a.	T 25
W26	11 14 9	20° 8'53	1♒31	6° 8	3°42	10°35	6°48	26° 4	26°43	13°31	24°49	5° 5	6°32	0♒ 1	n.a.	W26
T 27	11 18 5	21° 6'42	13°25	6°R11	4°55	11°20	7° 2	26°12	26°44	13°30	24°50	4°58	6°29	0° 8	n.a.	T 27
F 28	11 22 2	22° 4'30	25°25	6° 9	6° 9	12° 5	7°16	26°20	26°44	13°29	24°51	4°50	6°26	0°15	n.a.	F 28
S 29	11 25 58	23° 2'16	7♓34	6° 2	7°22	12°51	7°30	26°28	26°45	13°27	24°52	4°42	6°22	0°22	n.a.	S 29
S 30	11 29 55	24° 0'01	19°51	5°50	8°35	13°36	7°43	26°36	26°45	13°26	24°53	4°35	6°19	0°28	n.a.	S 30
M31	11 33 51	24♓57'44	2♈20	5♈34	9♓49	14♒21	7♈57	26♓44	26♊46	13♎24	24♑54	4♏30	6♏16	0♒35	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s 7	7s46	4n39	8s25	0n26	20s56	1s 9	23s16	1s 9	0s28	1s 5	5s 2	2s22	24n18	0n27	3s42	2n 7	34s56	13s32	14s 0	14s23	16s 9		n.a.
S 2	12 47	3 47	4 9	7 30	0 38	20 40	1 11	23 9	1 9	0 23	1 5	4 59	2 22	24 18	0 27	3 41	2 7	34 56	13 32	13 56	14 22	16 7		n.a.
M 3	12 26	0n23	3 27	6 35	0 50	20 23	1 12	23 2	1 9	0 17	1 5	4 56	2 21	24 18	0 27	3 41	2 7	34 56	13 32	13 53	14 21	16 6		n.a.
T 4	12 6	4 36	2 35	5 41	1 2	20 6	1 14	22 54	1 10	0 12	1 4	4 53	2 21	24 18	0 27	3 40	2 7	34 56	13 32	13 50	14 20	16 4		n.a.
W 5	11 45	8 40	1 35	4 47	1 13	19 48	1 15	22 46	1 10	0 7	1 4	4 50	2 21	24 18	0 27	3 40	2 7	34 56	13 32	13 49	14 19	16 3		n.a.
T 6	11 24	12 25	0 28	3 55	1 25	19 30	1 16	22 38	1 11	0 1	1 4	4 47	2 21	24 18	0 27	3 39	2 7	34 56	13 33	13 48	14 18	16 1		n.a.
F 7	11 3	15 38	0s41	3 5	1 36	19 11	1 18	22 30	1 11	0n 4	1 4	4 44	2 21	24 18	0 27	3 39	2 7	34 56	13 33	13 48	14 17	16 0		n.a.
S 8	10 42	18 7	1 50	2 16	1 46	18 51	1 19	22 21	1 11	0 9	1 4	4 41	2 21	24 18	0 27	3 39	2 7	34 56	13 33	13 49	14 16	15 58		n.a.
S 9	10 20	19 37	2 54	1 29	1 57	18 31	1 20	22 12	1 12	0 15	1 4	4 38	2 21	24 18	0 27	3 38	2 7	34 56	13 33	13 49	14 15	15 57		n.a.
M10	9 59	19 57	3 50	0 44	2 7	18 11	1 21	22 3	1 12	0 20	1 3	4 34	2 21	24 18	0 27	3 38	2 7	34 56	13 34	13 48	14 14	15 55		n.a.
T 11	9 37	19 1	4 32	0 1	2 16	17 50	1 22	21 54	1 13	0 26	1 3	4 31	2 21	24 18	0 27	3 37	2 7	34 56	13 34	13 47	14 13	15 54		n.a.
W12	9 15	16 48	4 58	0n40	2 24	17 28	1 23	21 44	1 13	0 31	1 3	4 28	2 21	24 18	0 27	3 37	2 7	34 56	13 34	13 45	14 12	15 53		n.a.
T 13	8 53	13 26	5 4	1 18	2 32	17 6	1 24	21 35	1 13	0 37	1 3	4 25	2 20	24 18	0 27	3 36	2 7	34 56	13 34	13 42	14 11	15 51		n.a.
F 14	8 31	9 11	4 49	1 53	2 40	16 44	1 25	21 25	1 14	0 42	1 3	4 22	2 20	24 18	0 27	3 36	2 7	34 56	13 35	13 39	14 10	15 50		n.a.
S 15	8 9	4 23	4 14	2 26	2 46	16 21	1 25	21 14	1 14	0 48	1 3	4 19	2 20	24 18	0 27	3 35	2 7	34 56	13 35	13 36	14 9	15 48		n.a.
S 16	7 46	0s36	3 23	2 56	2 52	15 58	1 26	21 4	1 14	0 53	1 3	4 15	2 20	24 18	0 27	3 34	2 7	34 56	13 35	13 34	14 7	15 47		n.a.
M17	7 24	5 27	2 20	3 23	2 56	15 34	1 27	20 53	1 15	0 59	1 2	4 12	2 20	24 18	0 27	3 34	2 7	34 56	13 35	13 32	14 6	15 45		n.a.
T 18	7 1	9 52	1 10	3 47	3 0	15 10	1 27	20 43	1 15	1 4	1 2	4 9	2 20	24 18	0 27	3 33	2 7	34 56	13 36	13 31	14 5	15 44		n.a.
W19	6 39	13 37	0n 2	4 8	3 3	14 45	1 28	20 32	1 15	1 10	1 2	4 6	2 20	24 18	0 27	3 33	2 7	34 56	13 36	13 31	14 4	15 42		n.a.
T 20	6 16	16 34	1 12	4 25	3 5	14 20	1 28	20 20	1 16	1 15	1 2	4 3	2 20	24 18	0 27	3 32	2 7	34 56	13 36	13 31	14 3	15 41		n.a.
F 21	5 53	18 36	2 16	4 40	3 5	13 55	1 29	20 9	1 16	1 21	1 2	3 59	2 20	24 18	0 27	3 32	2 7	34 56	13 36	13 32	14 2	15 39		n.a.
S 22	5 30	19 42	3 12	4 52	3 5	13 29	1 29	19 57	1 16	1 27	1 2	3 56	2 20	24 18	0 27	3 31	2 8	34 56	13 37	13 32	14 1	15 38		n.a.
S 23	5 8	19 51	3 58	5 0	3 3	13 3	1 29	19 46	1 17	1 32	1 2	3 53	2 20	24 18	0 27	3 31	2 8	34 56	13 37	13 32	14 0	15 36		n.a.
M24	4 45	19 6	4 34	5 5	3 1	12 37	1 29	19 34	1 17	1 38	1 2	3 50	2 20	24 18	0 27	3 30	2 8	34 56	13 37	13 31	13 59	15 35		n.a.
T 25	4 21	17 31	4 57	5 7	2 57	12 10	1 29	19 21	1 17	1 43	1 1	3 46	2 20	24 18	0 27	3 29	2 8	34 56	13 38	13 30	13 58	15 33		n.a.
W26	3 58	15 12	5 7	5 6	2 52	11 43	1 29	19 9	1 17	1 49	1 1	3 43	2 20	24 18	0 27	3 29	2 8	34 56	13 38	13 28	13 57	15 32		n.a.
T 27	3 35	12 14	5 5	5 1	2 45	11 16	1 29	18 57	1 18	1 55	1 1	3 40	2 20	24 18	0 27	3 28	2 8	34 56	13 38	13 25	13 56	15 30		n.a.
F 28	3 12	8 46	4 49	4 53	2 38	10 48	1 29	18 44	1 18	2 0	1 1	3 37	2 20	24 18	0 27	3 28	2 8	34 56	13 38	13 22	13 55	15 29		n.a.
S 29	2 49	4 53	4 19	4 43	2 29	10 20	1 29	18 31	1 18	2 6	1 1	3 34	2 20	24 18	0 27	3 27	2 8	34 56	13 39	13 20	13 54	15 27		n.a.
S 30	2 26	0 46	3 38	4 29	2 19	9 52	1 29	18 18	1 18	2 11	1 1	3 30	2 20	24 18	0 27	3 26	2 8	34 56	13 39	13 17	13 53	15 26		n.a.
M31	2s 2	3n28	2n45	4n12	2n 8	9s23	1s28	18s 5	1s19	2n17	1s 1	3s27	2s20	24n18	0n27	3s26	2n 8	34s57	13s39	13s16	13s52	15s24		n.a.

Julian Day Number = 1117358.5, Delta T = 10h45m51s
Ecliptic obliquity = 23°53'08, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'15, Lahiri = -26°46'15 Julian Calendar 1 March 1654 BCE == Greg. Calendar 15 Feb. 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

APRIL 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 37 48	25♓55'26	14♈59	5°R14	11♓ 2	15♒ 7	8♈11	26♓51	26♊47	13°R23	24♑55	4°R26	6♏13	0♒42	n.a.	T 1
W 2	11 41 44	26°53'06	27°50	4♈50	12°15	15°52	8°25	26°59	26°47	13♎21	24°56	4♏25	6°10	0°48	n.a.	W 2
T 3	11 45 41	27°50'44	10♉53	4°23	13°29	16°37	8°39	27° 7	26°48	13°19	24°57	4°D25	6° 7	0°55	n.a.	T 3
F 4	11 49 38	28°48'21	24°10	3°54	14°42	17°22	8°53	27°15	26°49	13°18	24°58	4°26	6° 3	1° 2	n.a.	F 4
S 5	11 53 34	29°45'57	7♊40	3°22	15°55	18° 7	9° 6	27°23	26°50	13°16	24°58	4°27	6° 0	1° 9	n.a.	S 5
S 6	11 57 31	0♈43'30	21°25	2°48	17° 9	18°52	9°20	27°31	26°51	13°15	24°59	4°28	5°57	1°15	n.a.	S 6
M 7	12 1 27	1°41'02	5♋25	2°13	18°22	19°37	9°34	27°39	26°52	13°13	25° 0	4°R29	5°54	1°22	n.a.	M 7
T 8	12 5 24	2°38'33	19°40	1°38	19°35	20°22	9°48	27°47	26°53	13°12	25° 1	4°28	5°51	1°29	n.a.	T 8
W 9	12 9 20	3°36'01	4♌ 6	1° 4	20°49	21° 7	10° 2	27°55	26°54	13°10	25° 2	4°25	5°47	1°36	n.a.	W 9
T 10	12 13 17	4°33'28	18°41	0°29	22° 2	21°52	10°16	28° 2	26°55	13° 8	25° 2	4°22	5°44	1°42	n.a.	T 10
F 11	12 17 13	5°30'54	3♍18	29♓57	23°16	22°36	10°30	28°10	26°56	13° 7	25° 3	4°18	5°41	1°49	n.a.	F 11
S 12	12 21 10	6°28'18	17°52	29°26	24°29	23°21	10°44	28°18	26°57	13° 5	25° 4	4°14	5°38	1°56	n.a.	S 12
S 13	12 25 7	7°25'41	2♎16	28°57	25°42	24° 6	10°58	28°26	26°58	13° 4	25° 4	4°11	5°35	2° 2	n.a.	S 13
M14	12 29 3	8°23'02	16°24	28°32	26°56	24°50	11°12	28°34	27° 0	13° 2	25° 5	4° 8	5°32	2° 9	n.a.	M14
T 15	12 33 0	9°20'23	0♏12	28° 9	28° 9	25°35	11°26	28°42	27° 1	13° 0	25° 6	4°D 8	5°28	2°16	n.a.	T 15
W16	12 36 56	10°17'43	13°37	27°51	29°23	26°19	11°39	28°49	27° 3	12°59	25° 6	4° 8	5°25	2°23	n.a.	W16
T 17	12 40 53	11°15'01	26°40	27°36	0♈36	27° 4	11°53	28°57	27° 4	12°57	25° 7	4° 9	5°22	2°29	n.a.	T 17
F 18	12 44 49	12°12'19	9♐22	27°25	1°49	27°48	12° 7	29° 5	27° 6	12°56	25° 7	4°10	5°19	2°36	n.a.	F 18
S 19	12 48 46	13° 9'37	21°45	27°18	3° 3	28°32	12°21	29°13	27° 7	12°54	25° 8	4°12	5°16	2°43	n.a.	S 19
S 20	12 52 42	14° 6'53	3♑54	27°D16	4°16	29°16	12°35	29°20	27° 9	12°52	25° 8	4°13	5°13	2°50	n.a.	S 20
M21	12 56 39	15° 4'09	15°54	27°18	5°30	0♓ 1	12°49	29°28	27°10	12°51	25° 9	4°R13	5° 9	2°56	n.a.	M21
T 22	13 0 36	16° 1'24	27°48	27°25	6°43	0°45	13° 3	29°36	27°12	12°49	25° 9	4°13	5° 6	3° 3	n.a.	T 22
W23	13 4 32	16°58'39	9♒41	27°36	7°57	1°29	13°17	29°44	27°14	12°47	25°10	4°11	5° 3	3°10	n.a.	W23
T 24	13 8 29	17°55'52	21°38	27°52	9°10	2°13	13°31	29°51	27°16	12°46	25°10	4°10	5° 0	3°16	n.a.	T 24
F 25	13 12 25	18°53'06	3♓42	28°12	10°23	2°57	13°45	29°59	27°18	12°44	25°10	4° 7	4°57	3°23	n.a.	F 25
S 26	13 16 22	19°50'18	15°57	28°37	11°37	3°41	13°59	0♈ 6	27°19	12°43	25°11	4° 5	4°53	3°30	n.a.	S 26
S 27	13 20 18	20°47'30	28°25	29° 6	12°50	4°25	14°13	0°14	27°21	12°41	25°11	4° 3	4°50	3°37	n.a.	S 27
M28	13 24 15	21°44'42	11♈ 7	29°39	14° 4	5° 8	14°26	0°22	27°23	12°39	25°12	4° 2	4°47	3°43	n.a.	M28
T 29	13 28 11	22°41'52	24° 4	0♈17	15°17	5°52	14°40	0°29	27°25	12°38	25°12	4° 1	4°44	3°50	n.a.	T 29
W30	13 32 8	23♈39'03	7♉17	0♈58	16♈31	6♓36	14♈54	0♈37	27♊27	12♎36	25♑12	4°D 1	4♏41	3♒57	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s39	7n36	1n44	3n53	1n56	8s55	1s28	17s52	1s19	2n23	1s 1	3s24	2s20	24n18	0n27	3s25	2n 8	34s57	13s40	13s14	13s50	15s23		n.a.
W 2	1 16	11 27	0 36	3 31	1 43	8 26	1 27	17 38	1 19	2 28	1 1	3 21	2 20	24 18	0 27	3 24	2 8	34 57	13 40	13 14	13 49	15 21		n.a.
T 3	0 52	14 49	0s35	3 7	1 29	7 57	1 27	17 24	1 19	2 34	1 0	3 18	2 20	24 18	0 27	3 24	2 8	34 57	13 40	13 14	13 48	15 20		n.a.
F 4	0 29	17 27	1 46	2 42	1 14	7 27	1 26	17 11	1 20	2 40	1 0	3 14	2 20	24 18	0 27	3 23	2 8	34 57	13 41	13 14	13 47	15 18		n.a.
S 5	0 6	19 11	2 51	2 15	0 58	6 58	1 26	16 57	1 20	2 45	1 0	3 11	2 20	24 18	0 27	3 23	2 8	34 57	13 41	13 15	13 46	15 17		n.a.
S 6	0n18	19 48	3 49	1 46	0 42	6 28	1 25	16 43	1 20	2 51	1 0	3 8	2 20	24 18	0 27	3 22	2 8	34 57	13 41	13 15	13 45	15 15		n.a.
M 7	0 41	19 13	4 33	1 17	0 25	5 58	1 24	16 28	1 20	2 57	1 0	3 5	2 20	24 18	0 27	3 21	2 8	34 58	13 42	13 15	13 44	15 13		n.a.
T 8	1 4	17 26	5 2	0 47	0 8	5 28	1 23	16 14	1 20	3 2	1 0	3 2	2 20	24 18	0 27	3 21	2 8	34 58	13 42	13 15	13 43	15 12		n.a.
W 9	1 27	14 32	5 12	0 18	0s 9	4 58	1 23	16 0	1 21	3 8	1 0	2 58	2 20	24 18	0 27	3 20	2 8	34 58	13 42	13 14	13 42	15 10		n.a.
T 10	1 51	10 43	5 3	0s11	0 26	4 28	1 22	15 45	1 21	3 13	1 0	2 55	2 20	24 18	0 27	3 19	2 8	34 58	13 43	13 13	13 41	15 9		n.a.
F 11	2 14	6 14	4 34	0 40	0 42	3 57	1 21	15 30	1 21	3 19	1 0	2 52	2 20	24 18	0 27	3 19	2 8	34 58	13 43	13 11	13 40	15 7		n.a.
S 12	2 37	1 25	3 47	1 7	0 59	3 27	1 20	15 15	1 21	3 25	1 0	2 49	2 20	24 18	0 27	3 18	2 8	34 58	13 43	13 10	13 39	15 6		n.a.
S 13	3 0	3s27	2 46	1 33	1 14	2 56	1 18	15 1	1 21	3 30	1 0	2 46	2 20	24 18	0 27	3 17	2 8	34 59	13 44	13 9	13 38	15 4		n.a.
M14	3 23	8 2	1 36	1 58	1 30	2 25	1 17	14 45	1 21	3 36	0 59	2 43	2 20	24 18	0 27	3 17	2 8	34 59	13 44	13 8	13 37	15 3		n.a.
T 15	3 46	12 5	0 22	2 20	1 44	1 54	1 16	14 30	1 21	3 42	0 59	2 39	2 20	24 18	0 27	3 16	2 8	34 59	13 44	13 8	13 35	15 1		n.a.
W16	4 9	15 24	0n52	2 40	1 58	1 24	1 15	14 15	1 21	3 47	0 59	2 36	2 20	24 18	0 27	3 16	2 8	34 59	13 45	13 8	13 34	15 0		n.a.
T 17	4 32	17 49	2 1	2 58	2 11	0 53	1 13	14 0	1 22	3 53	0 59	2 33	2 20	24 18	0 27	3 15	2 8	35 0	13 45	13 8	13 33	14 58		n.a.
F 18	4 55	19 16	3 2	3 13	2 23	0 22	1 12	13 44	1 22	3 58	0 59	2 30	2 20	24 18	0 27	3 14	2 8	35 0	13 45	13 9	13 32	14 56		n.a.
S 19	5 17	19 45	3 53	3 26	2 34	0n 9	1 11	13 28	1 22	4 4	0 59	2 27	2 20	24 18	0 27	3 14	2 8	35 0	13 46	13 9	13 31	14 55		n.a.
S 20	5 40	19 17	4 32	3 36	2 43	0 40	1 9	13 13	1 22	4 10	0 59	2 24	2 20	24 18	0 27	3 13	2 8	35 0	13 46	13 10	13 30	14 53		n.a.
M21	6 3	17 58	4 59	3 43	2 52	1 11	1 8	12 57	1 22	4 15	0 59	2 21	2 20	24 18	0 27	3 12	2 8	35 1	13 46	13 10	13 29	14 52		n.a.
T 22	6 25	15 52	5 13	3 47	3 0	1 42	1 6	12 41	1 22	4 21	0 59	2 18	2 20	24 18	0 27	3 12	2 8	35 1	13 47	13 10	13 28	14 50		n.a.
W23	6 47	13 7	5 14	3 49	3 7	2 13	1 4	12 25	1 22	4 26	0 59	2 15	2 20	24 18	0 27	3 11	2 8	35 1	13 47	13 9	13 27	14 49		n.a.
T 24	7 10	9 49	5 1	3 48	3 13	2 44	1 3	12 9	1 22	4 32	0 59	2 12	2 20	24 18	0 27	3 10	2 8	35 1	13 48	13 9	13 26	14 47		n.a.
F 25	7 32	6 5	4 35	3 44	3 17	3 15	1 1	11 53	1 22	4 37	0 59	2 9	2 20	24 18	0 27	3 10	2 8	35 2	13 48	13 8	13 25	14 46		n.a.
S 26	7 54	2 2	3 55	3 37	3 21	3 46	0 59	11 37	1 22	4 43	0 59	2 6	2 20	24 18	0 27	3 9	2 8	35 2	13 48	13 7	13 24	14 44		n.a.
S 27	8 16	2n10	3 4	3 28	3 24	4 17	0 58	11 21	1 22	4 48	0 59	2 3	2 20	24 18	0 27	3 9	2 8	35 2	13 49	13 6	13 22	14 42		n.a.
M28	8 38	6 22	2 3	3 16	3 26	4 48	0 56	11 4	1 22	4 54	0 59	2 0	2 20	24 18	0 27	3 8	2 8	35 2	13 49	13 6	13 21	14 41		n.a.
T 29	8 59	10 21	0 55	3 2	3 26	5 18	0 54	10 48	1 22	4 59	0 58	1 57	2 20	24 18	0 27	3 7	2 8	35 3	13 49	13 6	13 20	14 39		n.a.
W30	9n21	13n55	0s18	2s45	3s26	5n49	0s52	10s31	1s22	5n 5	0s58	1s54	2s20	24n18	0n27	3s 7	2n 8	35s 3	13s50	13s 6	13s19	14s38		n.a.

Julian Day Number = 1117389.5, Delta T = 10h45m49s
Ecliptic obliquity = 23°53'08, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'11, Lahiri = -26°46'10 Julian Calendar 1 Apr. 1654 BCE == Greg. Calendar 18 March 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

MAY 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 36 5	24♈36'12	20♉44	1♈44	17♈44	7♓19	15♈ 8	0♈44	27♊30	12°R35	25♑12	4♏ 2	4♏38	4♒ 3	n.a.	T 1
F 2	13 40 1	25°33'21	4♊24	2°33	18°58	8° 3	15°22	0°52	27°32	12♎33	25°13	4° 2	4°34	4°10	n.a.	F 2
S 3	13 43 58	26°30'29	18°15	3°26	20°11	8°46	15°36	0°59	27°34	12°31	25°13	4° 3	4°31	4°17	n.a.	S 3
S 4	13 47 54	27°27'36	2♋16	4°23	21°25	9°29	15°49	1° 6	27°36	12°30	25°13	4° 3	4°28	4°24	n.a.	S 4
M 5	13 51 51	28°24'43	16°24	5°24	22°39	10°13	16° 3	1°14	27°39	12°28	25°13	4° 4	4°25	4°30	n.a.	M 5
T 6	13 55 47	29°21'49	0♌37	6°28	23°52	10°56	16°17	1°21	27°41	12°27	25°13	4°R 4	4°22	4°37	n.a.	T 6
W 7	13 59 44	0♉18'54	14°53	7°36	25° 6	11°39	16°31	1°28	27°43	12°25	25°13	4° 4	4°18	4°44	n.a.	W 7
T 8	14 3 41	1°15'58	29° 8	8°47	26°19	12°22	16°44	1°36	27°46	12°24	25°13	4° 4	4°15	4°51	n.a.	T 8
F 9	14 7 37	2°13'02	13♍21	10° 2	27°33	13° 5	16°58	1°43	27°48	12°22	25°13	4° 3	4°12	4°57	n.a.	F 9
S 10	14 11 34	3°10'05	27°27	11°20	28°46	13°48	17°12	1°50	27°51	12°21	25°13	4° 3	4° 9	5° 4	n.a.	S 10
S 11	14 15 30	4° 7'08	11♎23	12°41	29°59	14°31	17°25	1°57	27°53	12°19	25°R13	4°D 3	4° 6	5°11	n.a.	S 11
M12	14 19 27	5° 4'10	25° 7	14° 6	1♉13	15°14	17°39	2° 4	27°56	12°18	25°13	4° 3	4° 3	5°17	n.a.	M12
T 13	14 23 23	6° 1'12	8♏35	15°34	2°27	15°57	17°52	2°11	27°58	12°16	25°13	4°R 3	3°59	5°24	n.a.	T 13
W14	14 27 20	6°58'14	21°47	17° 5	3°41	16°39	18° 6	2°18	28° 1	12°15	25°13	4° 3	3°56	5°31	n.a.	W14
T 15	14 31 16	7°55'16	4♐41	18°40	4°54	17°22	18°19	2°25	28° 4	12°14	25°13	4° 3	3°53	5°38	n.a.	T 15
F 16	14 35 13	8°52'18	17°18	20°17	6° 8	18° 4	18°33	2°32	28° 6	12°12	25°13	4° 2	3°50	5°44	n.a.	F 16
S 17	14 39 10	9°49'20	29°40	21°58	7°22	18°47	18°46	2°39	28° 9	12°11	25°13	4° 2	3°47	5°51	n.a.	S 17
S 18	14 43 6	10°46'23	11♑50	23°42	8°35	19°29	19° 0	2°46	28°12	12° 9	25°13	4° 1	3°44	5°58	n.a.	S 18
M19	14 47 3	11°43'25	23°50	25°29	9°49	20°11	19°13	2°52	28°15	12° 8	25°13	4° 0	3°40	6° 5	n.a.	M19
T 20	14 50 59	12°40'28	5♒44	27°19	11° 2	20°54	19°26	2°59	28°18	12° 7	25°12	4° 0	3°37	6°11	n.a.	T 20
W21	14 54 56	13°37'31	17°38	29°11	12°16	21°36	19°40	3° 6	28°21	12° 5	25°12	4°D 0	3°34	6°18	n.a.	W21
T 22	14 58 52	14°34'34	29°35	1♉ 6	13°30	22°18	19°53	3°13	28°23	12° 4	25°12	4° 0	3°31	6°25	n.a.	T 22
F 23	15 2 49	15°31'38	11♓41	3° 4	14°44	23° 0	20° 6	3°19	28°26	12° 3	25°12	4° 1	3°28	6°31	n.a.	F 23
S 24	15 6 45	16°28'42	23°59	5° 4	15°57	23°42	20°19	3°26	28°29	12° 1	25°11	4° 2	3°24	6°38	n.a.	S 24
S 25	15 10 42	17°25'47	6♈32	7° 6	17°11	24°24	20°32	3°32	28°32	12° 0	25°11	4° 3	3°21	6°45	n.a.	S 25
M26	15 14 39	18°22'52	19°25	9°10	18°25	25° 5	20°45	3°39	28°35	11°59	25°11	4° 4	3°18	6°52	n.a.	M26
T 27	15 18 35	19°19'57	2♉38	11°15	19°39	25°47	20°59	3°45	28°39	11°58	25°10	4°R 4	3°15	6°58	n.a.	T 27
W28	15 22 32	20°17'03	16°11	13°22	20°52	26°29	21°12	3°51	28°42	11°57	25°10	4° 4	3°12	7° 5	n.a.	W28
T 29	15 26 28	21°14'10	0♊ 2	15°30	22° 6	27°10	21°24	3°57	28°45	11°55	25°10	4° 3	3° 9	7°12	n.a.	T 29
F 30	15 30 25	22°11'16	14° 9	17°38	23°20	27°52	21°37	4° 4	28°48	11°54	25° 9	4° 1	3° 5	7°19	n.a.	F 30
S 31	15 34 21	23♉ 8'23	28♊28	19♉47	24♉34	28♓33	21♈50	4♈10	28♊51	11♎53	25♑ 9	3♏59	3♏ 2	7♒25	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9n42	16n48	1s31	2s26	3s26	6n19	0s50	10s15	1s22	5n10	0s58	1s51	2s21	24n18	0n27	3s 6	2n 8	35s 3	13s50	13s 6	13s18	14s36			n.a.
F 2	10 4	18 47	2 40	2 4	3 24	6 49	0 48	9 58	1 22	5 16	0 58	1 48	2 21	24 18	0 27	3 6	2 8	35 4	13 50	13 6	13 17	14 35			n.a.
S 3	10 25	19 41	3 41	1 41	3 21	7 20	0 46	9 42	1 22	5 21	0 58	1 45	2 21	24 18	0 27	3 5	2 8	35 4	13 51	13 6	13 16	14 33			n.a.
S 4	10 46	19 22	4 30	1 15	3 18	7 49	0 44	9 25	1 22	5 27	0 58	1 42	2 21	24 18	0 27	3 4	2 8	35 4	13 51	13 6	13 15	14 31			n.a.
M 5	11 6	17 52	5 2	0 46	3 14	8 19	0 42	9 8	1 22	5 32	0 58	1 39	2 21	24 18	0 27	3 4	2 8	35 5	13 52	13 7	13 14	14 30			n.a.
T 6	11 27	15 15	5 16	0 16	3 9	8 49	0 40	8 52	1 22	5 38	0 58	1 36	2 21	24 18	0 26	3 3	2 8	35 5	13 52	13 7	13 13	14 28			n.a.
W 7	11 48	11 43	5 11	0n16	3 4	9 18	0 38	8 35	1 22	5 43	0 58	1 33	2 21	24 18	0 26	3 3	2 8	35 5	13 52	13 7	13 12	14 27			n.a.
T 8	12 8	7 31	4 47	0 50	2 57	9 48	0 35	8 18	1 22	5 48	0 58	1 30	2 21	24 18	0 26	3 2	2 8	35 6	13 53	13 6	13 10	14 25			n.a.
F 9	12 28	2 54	4 6	1 26	2 51	10 17	0 33	8 1	1 22	5 54	0 58	1 28	2 21	24 18	0 26	3 1	2 8	35 6	13 53	13 6	13 9	14 23			n.a.
S 10	12 48	1s51	3 9	2 4	2 43	10 45	0 31	7 44	1 22	5 59	0 58	1 25	2 21	24 19	0 26	3 1	2 8	35 6	13 53	13 6	13 8	14 22			n.a.
S 11	13 8	6 27	2 2	2 43	2 35	11 14	0 29	7 27	1 22	6 4	0 58	1 22	2 22	24 19	0 26	3 0	2 8	35 7	13 54	13 6	13 7	14 20			n.a.
M12	13 27	10 40	0 49	3 25	2 27	11 42	0 27	7 10	1 22	6 10	0 58	1 19	2 22	24 19	0 26	3 0	2 8	35 7	13 54	13 6	13 6	14 19			n.a.
T 13	13 46	14 14	0n25	4 7	2 18	12 10	0 24	6 54	1 21	6 15	0 58	1 17	2 22	24 19	0 26	2 59	2 8	35 7	13 54	13 6	13 5	14 17			n.a.
W14	14 6	17 0	1 37	4 52	2 9	12 38	0 22	6 37	1 21	6 20	0 58	1 14	2 22	24 19	0 26	2 59	2 8	35 8	13 55	13 6	13 4	14 15			n.a.
T 15	14 25	18 49	2 42	5 37	1 59	13 5	0 20	6 19	1 21	6 25	0 58	1 11	2 22	24 19	0 26	2 58	2 7	35 8	13 55	13 6	13 3	14 14			n.a.
F 16	14 43	19 40	3 37	6 24	1 48	13 32	0 17	6 2	1 21	6 31	0 58	1 8	2 22	24 19	0 26	2 58	2 7	35 8	13 56	13 6	13 2	14 12			n.a.
S 17	15 2	19 31	4 22	7 12	1 38	13 59	0 15	5 45	1 21	6 36	0 58	1 6	2 22	24 19	0 26	2 57	2 7	35 9	13 56	13 6	13 1	14 11			n.a.
S 18	15 20	18 29	4 53	8 1	1 27	14 26	0 13	5 28	1 21	6 41	0 58	1 3	2 22	24 19	0 26	2 57	2 7	35 9	13 56	13 6	13 0	14 9			n.a.
M19	15 38	16 37	5 12	8 51	1 16	14 52	0 10	5 11	1 21	6 46	0 58	1 1	2 23	24 19	0 26	2 56	2 7	35 10	13 57	13 5	12 58	14 7			n.a.
T 20	15 56	14 5	5 16	9 42	1 5	15 17	0 8	4 54	1 21	6 51	0 58	0 58	2 23	24 19	0 26	2 56	2 7	35 10	13 57	13 5	12 57	14 6			n.a.
W21	16 13	10 57	5 8	10 34	0 53	15 43	0 6	4 37	1 20	6 57	0 58	0 55	2 23	24 19	0 26	2 55	2 7	35 10	13 57	13 5	12 56	14 4			n.a.
T 22	16 31	7 23	4 46	11 26	0 42	16 8	0 3	4 20	1 20	7 2	0 58	0 53	2 23	24 19	0 26	2 55	2 7	35 11	13 58	13 5	12 55	14 3			n.a.
F 23	16 48	3 27	4 11	12 18	0 30	16 32	0 1	4 3	1 20	7 7	0 58	0 50	2 23	24 19	0 26	2 54	2 7	35 11	13 58	13 6	12 54	14 1			n.a.
S 24	17 4	0n41	3 24	13 10	0 19	16 56	0n 1	3 46	1 20	7 12	0 58	0 48	2 23	24 19	0 26	2 54	2 7	35 12	13 58	13 6	12 53	13 59			n.a.
S 25	17 21	4 53	2 26	14 1	0 7	17 20	0 4	3 29	1 20	7 17	0 58	0 45	2 23	24 19	0 26	2 53	2 7	35 12	13 59	13 6	12 52	13 58			n.a.
M26	17 37	8 58	1 20	14 53	0n 4	17 44	0 6	3 12	1 19	7 22	0 58	0 43	2 24	24 19	0 26	2 53	2 7	35 12	13 59	13 7	12 51	13 56			n.a.
T 27	17 53	12 44	0 8	15 43	0 15	18 6	0 8	2 55	1 19	7 27	0 58	0 40	2 24	24 19	0 26	2 52	2 7	35 13	13 59	13 7	12 50	13 54			n.a.
W28	18 9	15 56	1s 6	16 32	0 25	18 29	0 11	2 38	1 19	7 32	0 58	0 38	2 24	24 19	0 26	2 52	2 7	35 13	14 0	13 7	12 48	13 53			n.a.
T 29	18 24	18 17	2 18	17 21	0 35	18 51	0 13	2 21	1 19	7 37	0 58	0 36	2 24	24 19	0 26	2 51	2 7	35 14	14 0	13 6	12 47	13 51			n.a.
F 30	18 39	19 34	3 23	18 7	0 45	19 12	0 15	2 4	1 19	7 42	0 58	0 33	2 24	24 19	0 26	2 51	2 7	35 14	14 0	13 6	12 46	13 50			n.a.
S 31	18n54	19n36	4s16	18n52	0n54	19n33	0n18	1s47	1s18	7n46	0s58	0s31	2s24	24n19	0n26	2s51	2n 7	35s14	14s 1	13s 5	12s45	13s48			n.a.

Julian Day Number = 1117419.5, Delta T = 10h45m48s
Ecliptic obliquity = 23°53'08, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'07, Lahiri = -26°46'06 Julian Calendar 1 May 1654 BCE == Greg. Calendar 17 Apr. 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

JUNE 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 38 18	24♉ 5'30	12♋52	21♉56	25♉48	29♓14	22♈ 3	4♈16	28♊54	11°R52	25°R 8	3°R56	2♏59	7♒32	n.a.	S 1
M 2	15 42 15	25° 2'38	27°18	24° 5	27° 1	29°56	22°16	4°22	28°58	11♎51	25♑ 8	3♏54	2°56	7°39	n.a.	M 2
T 3	15 46 11	25°59'46	11♌40	26°14	28°15	0♈37	22°28	4°28	29° 1	11°50	25° 7	3°53	2°53	7°45	n.a.	T 3
W 4	15 50 8	26°56'53	25°56	28°22	29°29	1°18	22°41	4°34	29° 4	11°49	25° 7	3°D52	2°49	7°52	n.a.	W 4
T 5	15 54 4	27°54'02	10♍ 1	0♊29	0♊43	1°59	22°54	4°39	29° 8	11°48	25° 6	3°52	2°46	7°59	n.a.	T 5
F 6	15 58 1	28°51'10	23°56	2°35	1°57	2°39	23° 6	4°45	29°11	11°47	25° 5	3°54	2°43	8° 6	n.a.	F 6
S 7	16 1 57	29°48'19	7♎39	4°40	3°11	3°20	23°19	4°51	29°14	11°46	25° 5	3°55	2°40	8°12	n.a.	S 7
S 8	16 5 54	0♊45'28	21° 9	6°43	4°25	4° 1	23°31	4°56	29°18	11°45	25° 4	3°56	2°37	8°19	n.a.	S 8
M 9	16 9 50	1°42'38	4♏28	8°45	5°39	4°41	23°43	5° 2	29°21	11°44	25° 4	3°R57	2°34	8°26	n.a.	M 9
T 10	16 13 47	2°39'48	17°33	10°46	6°52	5°22	23°55	5° 7	29°24	11°43	25° 3	3°56	2°30	8°32	n.a.	T 10
W11	16 17 44	3°36'59	0♐26	12°45	8° 6	6° 2	24° 8	5°13	29°28	11°42	25° 2	3°54	2°27	8°39	n.a.	W11
T 12	16 21 40	4°34'11	13° 5	14°43	9°20	6°43	24°20	5°18	29°31	11°41	25° 2	3°50	2°24	8°46	n.a.	T 12
F 13	16 25 37	5°31'24	25°33	16°39	10°34	7°23	24°32	5°23	29°35	11°41	25° 1	3°46	2°21	8°53	n.a.	F 13
S 14	16 29 33	6°28'38	7♑49	18°33	11°48	8° 3	24°44	5°28	29°38	11°40	25° 0	3°40	2°18	8°59	n.a.	S 14
S 15	16 33 30	7°25'53	19°54	20°26	13° 2	8°43	24°56	5°34	29°42	11°39	24°59	3°34	2°15	9° 6	n.a.	S 15
M16	16 37 26	8°23'09	1♒52	22°17	14°16	9°23	25° 8	5°39	29°45	11°38	24°59	3°29	2°11	9°13	n.a.	M16
T 17	16 41 23	9°20'26	13°46	24° 7	15°30	10° 3	25°19	5°43	29°49	11°38	24°58	3°25	2° 8	9°20	n.a.	T 17
W18	16 45 20	10°17'45	25°38	25°54	16°44	10°42	25°31	5°48	29°53	11°37	24°57	3°22	2° 5	9°26	n.a.	W18
T 19	16 49 16	11°15'04	7♓34	27°40	17°58	11°22	25°43	5°53	29°56	11°36	24°56	3°D21	2° 2	9°33	n.a.	T 19
F 20	16 53 13	12°12'25	19°38	29°25	19°12	12° 2	25°54	5°58	29°59	11°36	24°55	3°21	1°59	9°40	n.a.	F 20
S 21	16 57 9	13° 9'47	1♈55	1♋ 7	20°26	12°41	26° 6	6° 2	0♋ 3	11°35	24°54	3°23	1°55	9°46	n.a.	S 21
S 22	17 1 6	14° 7'11	14°29	2°49	21°40	13°20	26°17	6° 7	0° 7	11°35	24°54	3°24	1°52	9°53	n.a.	S 22
M23	17 5 2	15° 4'36	27°25	4°28	22°54	14° 0	26°28	6°11	0°11	11°34	24°53	3°R25	1°49	10° 0	n.a.	M23
T 24	17 8 59	16° 2'03	10♉45	6° 6	24° 9	14°39	26°40	6°16	0°14	11°34	24°52	3°25	1°46	10° 7	n.a.	T 24
W25	17 12 55	16°59'31	24°31	7°42	25°23	15°18	26°51	6°20	0°18	11°33	24°51	3°23	1°43	10°13	n.a.	W25
T 26	17 16 52	17°57'00	8♊41	9°17	26°37	15°57	27° 2	6°24	0°22	11°33	24°50	3°19	1°40	10°20	n.a.	T 26
F 27	17 20 49	18°54'31	23°12	10°50	27°51	16°36	27°13	6°28	0°25	11°32	24°49	3°14	1°36	10°27	n.a.	F 27
S 28	17 24 45	19°52'03	7♋57	12°21	29° 5	17°14	27°24	6°32	0°29	11°32	24°48	3° 7	1°33	10°34	n.a.	S 28
S 29	17 28 42	20°49'36	22°48	13°51	0♋19	17°53	27°34	6°36	0°33	11°32	24°47	3° 0	1°30	10°40	n.a.	S 29
M30	17 32 38	21♊47'11	7♌37	15♋19	1♋33	18♈32	27♈45	6♈40	0♋37	11♎32	24♑46	2♏53	1♏27	10♒47	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	19n 9	18n23	4s54	19n36	1n 2	19n53	0n20	1s30	1s18	7n51	0s58	0s29	2s25	24n19	0n26	2s50	2n 7	35s15	14s 1	13s 4	12s44	13s46		n.a.	S 1
M 2	19 23	15 59	5 13	20 17	1 10	20 13	0 22	1 13	1 18	7 56	0 58	0 27	2 25	24 19	0 26	2 50	2 7	35 15	14 1	13 3	12 43	13 45		n.a.	M 2
T 3	19 37	12 37	5 12	20 56	1 18	20 32	0 25	0 56	1 18	8 1	0 58	0 24	2 25	24 19	0 26	2 49	2 7	35 16	14 2	13 3	12 42	13 43		n.a.	T 3
W 4	19 50	8 33	4 52	21 32	1 24	20 51	0 27	0 39	1 17	8 6	0 58	0 22	2 25	24 19	0 26	2 49	2 7	35 16	14 2	13 2	12 41	13 41		n.a.	W 4
T 5	20 4	4 2	4 14	22 6	1 30	21 9	0 29	0 22	1 17	8 10	0 58	0 20	2 25	24 19	0 26	2 49	2 7	35 17	14 2	13 3	12 40	13 40		n.a.	T 5
F 6	20 16	0s38	3 22	22 37	1 35	21 27	0 31	0 6	1 17	8 15	0 58	0 18	2 25	24 19	0 26	2 48	2 6	35 17	14 3	13 3	12 39	13 38		n.a.	F 6
S 7	20 29	5 13	2 19	23 6	1 40	21 44	0 34	0n11	1 16	8 20	0 58	0 16	2 26	24 19	0 26	2 48	2 6	35 17	14 3	13 3	12 37	13 37		n.a.	S 7
S 8	20 41	9 29	1 10	23 32	1 44	22 0	0 36	0 28	1 16	8 24	0 58	0 14	2 26	24 19	0 26	2 48	2 6	35 18	14 3	13 4	12 36	13 35		n.a.	S 8
M 9	20 53	13 12	0n 3	23 56	1 47	22 16	0 38	0 44	1 16	8 29	0 58	0 12	2 26	24 19	0 26	2 47	2 6	35 18	14 4	13 4	12 35	13 33		n.a.	M 9
T 10	21 5	16 12	1 14	24 17	1 50	22 31	0 40	1 1	1 15	8 34	0 58	0 10	2 26	24 19	0 26	2 47	2 6	35 19	14 4	13 4	12 34	13 32		n.a.	T 10
W11	21 16	18 20	2 20	24 36	1 51	22 46	0 42	1 18	1 15	8 38	0 58	0 8	2 26	24 19	0 26	2 47	2 6	35 19	14 4	13 3	12 33	13 30		n.a.	W11
T 12	21 27	19 31	3 18	24 51	1 53	22 59	0 44	1 34	1 15	8 43	0 58	0 6	2 27	24 19	0 26	2 47	2 6	35 20	14 4	13 2	12 32	13 28		n.a.	T 12
F 13	21 37	19 44	4 5	25 5	1 53	23 13	0 46	1 51	1 14	8 47	0 58	0 4	2 27	24 19	0 26	2 46	2 6	35 20	14 5	13 0	12 31	13 27		n.a.	F 13
S 14	21 48	18 59	4 40	25 16	1 53	23 25	0 48	2 7	1 14	8 52	0 58	0 2	2 27	24 19	0 26	2 46	2 6	35 20	14 5	12 58	12 30	13 25		n.a.	S 14
S 15	21 57	17 24	5 2	25 24	1 53	23 37	0 50	2 23	1 14	8 56	0 58	0n 0	2 27	24 19	0 26	2 46	2 6	35 21	14 5	12 56	12 29	13 23		n.a.	S 15
M16	22 7	15 4	5 11	25 30	1 51	23 48	0 52	2 40	1 13	9 0	0 58	0 2	2 27	24 19	0 26	2 46	2 6	35 21	14 6	12 55	12 27	13 22		n.a.	M16
T 17	22 16	12 7	5 6	25 35	1 50	23 58	0 54	2 56	1 13	9 5	0 58	0 4	2 28	24 19	0 26	2 45	2 6	35 22	14 6	12 53	12 26	13 20		n.a.	T 17
W18	22 24	8 42	4 48	25 36	1 47	24 8	0 56	3 12	1 13	9 9	0 58	0 5	2 28	24 19	0 26	2 45	2 6	35 22	14 6	12 52	12 25	13 18		n.a.	W18
T 19	22 33	4 55	4 18	25 36	1 44	24 17	0 58	3 28	1 12	9 13	0 58	0 7	2 28	24 19	0 26	2 45	2 6	35 23	14 6	12 52	12 24	13 17		n.a.	T 19
F 20	22 41	0 53	3 35	25 34	1 41	24 25	0 59	3 44	1 12	9 17	0 58	0 9	2 28	24 19	0 26	2 45	2 6	35 23	14 7	12 52	12 23	13 15		n.a.	F 20
S 21	22 48	3n15	2 43	25 30	1 37	24 33	1 1	4 0	1 11	9 22	0 58	0 11	2 29	24 19	0 26	2 45	2 6	35 24	14 7	12 52	12 22	13 13		n.a.	S 21
S 22	22 55	7 22	1 41	25 24	1 33	24 40	1 3	4 16	1 11	9 26	0 58	0 12	2 29	24 19	0 26	2 45	2 6	35 24	14 7	12 53	12 21	13 12		n.a.	S 22
M23	23 2	11 15	0 33	25 17	1 28	24 46	1 5	4 32	1 11	9 30	0 58	0 14	2 29	24 19	0 26	2 44	2 5	35 24	14 8	12 53	12 20	13 10		n.a.	M23
T 24	23 8	14 42	0s40	25 8	1 23	24 51	1 6	4 48	1 10	9 34	0 58	0 15	2 29	24 19	0 26	2 44	2 5	35 25	14 8	12 53	12 18	13 8		n.a.	T 24
W25	23 14	17 27	1 52	24 57	1 18	24 56	1 8	5 4	1 10	9 38	0 58	0 17	2 30	24 19	0 26	2 44	2 5	35 25	14 8	12 52	12 17	13 7		n.a.	W25
T 26	23 20	19 13	2 59	24 45	1 12	25 0	1 9	5 20	1 9	9 42	0 58	0 18	2 30	24 19	0 26	2 44	2 5	35 26	14 8	12 51	12 16	13 5		n.a.	T 26
F 27	23 25	19 47	3 56	24 32	1 6	25 3	1 11	5 35	1 9	9 46	0 58	0 20	2 30	24 19	0 26	2 44	2 5	35 26	14 9	12 49	12 15	13 3		n.a.	F 27
S 28	23 29	19 1	4 38	24 17	0 59	25 5	1 12	5 51	1 8	9 50	0 58	0 21	2 30	24 19	0 26	2 44	2 5	35 27	14 9	12 47	12 14	13 2		n.a.	S 28
S 29	23 34	16 57	5 2	24 1	0 52	25 6	1 13	6 6	1 8	9 54	0 58	0 22	2 30	24 19	0 26	2 44	2 5	35 27	14 9	12 44	12 13	13 0		n.a.	S 29
M30	23n37	13n47	5s 6	23n44	0n45	25n 7	1n15	6n21	1s 7	9n58	0s58	0n24	2s31	24n19	0n26	2s44	2n 5	35s27	14s 9	12s42	12s12	12s58		n.a.	M30

Julian Day Number = 1117450.5, Delta T = 10h45m46s
Ecliptic obliquity = 23°53'07, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°53'03, Lahiri = -26°46'02 Julian Calendar 1 June 1654 BCE == Greg. Calendar 18 May 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

JULY 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 36 35	22♊44'46	22♌16	16♋45	2♋47	19♈10	27♈56	6♈44	0♋40	11°R31	24°R45	2°R48	1♏24	10♒54	n.a.	T 1
W 2	17 40 31	23°42'23	6♍41	18°10	4° 2	19°48	28° 6	6°48	0°44	11♎31	24♑44	2♏45	1°21	11° 0	n.a.	W 2
T 3	17 44 28	24°40'01	20°47	19°33	5°16	20°26	28°17	6°51	0°48	11°31	24°43	2°D44	1°17	11° 7	n.a.	T 3
F 4	17 48 25	25°37'40	4♎35	20°54	6°30	21° 4	28°27	6°55	0°52	11°31	24°42	2°44	1°14	11°14	n.a.	F 4
S 5	17 52 21	26°35'20	18° 4	22°13	7°44	21°42	28°37	6°58	0°55	11°30	24°41	2°45	1°11	11°21	n.a.	S 5
S 6	17 56 18	27°33'01	1♏16	23°30	8°58	22°20	28°47	7° 1	0°59	11°30	24°40	2°R46	1° 8	11°27	n.a.	S 6
M 7	18 0 14	28°30'44	14°14	24°46	10°13	22°58	28°57	7° 4	1° 3	11°30	24°39	2°45	1° 5	11°34	n.a.	M 7
T 8	18 4 11	29°28'28	26°59	25°59	11°27	23°36	29° 7	7° 7	1° 7	11°30	24°37	2°42	1° 1	11°41	n.a.	T 8
W 9	18 8 7	0♋26'13	9♐33	27°11	12°41	24°13	29°17	7°10	1°10	11°D30	24°36	2°37	0°58	11°47	n.a.	W 9
T 10	18 12 4	1°24'01	21°57	28°20	13°55	24°50	29°26	7°13	1°14	11°30	24°35	2°30	0°55	11°54	n.a.	T 10
F 11	18 16 0	2°21'49	4♑13	29°28	15° 9	25°28	29°36	7°16	1°18	11°30	24°34	2°20	0°52	12° 1	n.a.	F 11
S 12	18 19 57	3°19'40	16°20	0♌32	16°24	26° 5	29°45	7°19	1°22	11°30	24°33	2° 9	0°49	12° 8	n.a.	S 12
S 13	18 23 54	4°17'32	28°20	1°35	17°38	26°42	29°55	7°21	1°25	11°31	24°32	1°57	0°46	12°14	n.a.	S 13
M14	18 27 50	5°15'26	10♒15	2°35	18°52	27°19	0♉ 4	7°24	1°29	11°31	24°31	1°46	0°42	12°21	n.a.	M14
T 15	18 31 47	6°13'22	22° 7	3°32	20° 6	27°55	0°13	7°26	1°33	11°31	24°29	1°37	0°39	12°28	n.a.	T 15
W16	18 35 43	7°11'19	3♓58	4°26	21°21	28°32	0°22	7°29	1°37	11°31	24°28	1°30	0°36	12°35	n.a.	W16
T 17	18 39 40	8° 9'19	15°52	5°18	22°35	29° 8	0°31	7°31	1°40	11°31	24°27	1°25	0°33	12°41	n.a.	T 17
F 18	18 43 36	9° 7'21	27°53	6° 6	23°49	29°45	0°39	7°33	1°44	11°32	24°26	1°22	0°30	12°48	n.a.	F 18
S 19	18 47 33	10° 5'25	10♈ 7	6°51	25° 3	0♉21	0°48	7°35	1°48	11°32	24°25	1°D22	0°27	12°55	n.a.	S 19
S 20	18 51 29	11° 3'31	22°37	7°32	26°18	0°57	0°57	7°37	1°51	11°32	24°23	1°22	0°23	13° 1	n.a.	S 20
M21	18 55 26	12° 1'39	5♉30	8° 9	27°32	1°33	1° 5	7°38	1°55	11°33	24°22	1°R22	0°20	13° 8	n.a.	M21
T 22	18 59 22	12°59'49	18°49	8°42	28°46	2° 9	1°13	7°40	1°59	11°33	24°21	1°21	0°17	13°15	n.a.	T 22
W23	19 3 19	13°58'02	2♊37	9°11	0♌ 1	2°45	1°21	7°42	2° 3	11°34	24°20	1°18	0°14	13°22	n.a.	W23
T 24	19 7 16	14°56'16	16°54	9°36	1°15	3°20	1°29	7°43	2° 6	11°34	24°19	1°12	0°11	13°28	n.a.	T 24
F 25	19 11 12	15°54'33	1♋36	9°55	2°29	3°55	1°37	7°44	2°10	11°34	24°17	1° 4	0° 7	13°35	n.a.	F 25
S 26	19 15 9	16°52'52	16°38	10° 9	3°43	4°31	1°45	7°46	2°14	11°35	24°16	0°54	0° 4	13°42	n.a.	S 26
S 27	19 19 5	17°51'13	1♌49	10°18	4°58	5° 6	1°52	7°47	2°17	11°36	24°15	0°43	0° 1	13°48	n.a.	S 27
M28	19 23 2	18°49'36	17° 0	10°R21	6°12	5°41	1°59	7°48	2°21	11°36	24°14	0°33	29♎58	13°55	n.a.	M28
T 29	19 26 58	19°48'00	1♍59	10°17	7°26	6°15	2° 7	7°49	2°25	11°37	24°12	0°24	29°55	14° 2	n.a.	T 29
W30	19 30 55	20°46'26	16°39	10° 8	8°41	6°50	2°14	7°49	2°28	11°38	24°11	0°18	29°52	14° 9	n.a.	W30
T 31	19 34 51	21♋44'54	0♎55	9♌51	9♌55	7♉25	2♉21	7♈50	2♋32	11♎38	24♑10	0♏15	29♎48	14♒15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23n41	9n47	4s50	23n26	0n37	25n 7	1n16	6n37	1s 7	10n 2	0s58	0n25	2s31	24n19	0n26	2s44	2n 5	35s28	14s 9	12s40	12s11	12s57			n.a.
W 2	23 44	5 17	4 15	23 7	0 29	25 6	1 17	6 52	1 6	10 5	0 58	0 26	2 31	24 19	0 26	2 44	2 5	35 28	14 10	12 39	12 9	12 55			n.a.
T 3	23 46	0 34	3 26	22 47	0 21	25 5	1 18	7 7	1 6	10 9	0 58	0 27	2 31	24 19	0 26	2 44	2 5	35 29	14 10	12 39	12 8	12 53			n.a.
F 4	23 49	4s 4	2 25	22 26	0 13	25 3	1 19	7 22	1 5	10 13	0 58	0 29	2 32	24 19	0 26	2 44	2 5	35 29	14 10	12 39	12 7	12 52			n.a.
S 5	23 50	8 25	1 18	22 5	0 4	24 59	1 20	7 37	1 5	10 16	0 59	0 30	2 32	24 19	0 26	2 44	2 5	35 29	14 10	12 39	12 6	12 50			n.a.
S 6	23 52	12 15	0 8	21 43	0s 5	24 56	1 21	7 52	1 4	10 20	0 59	0 31	2 32	24 19	0 26	2 44	2 5	35 30	14 10	12 39	12 5	12 48			n.a.
M 7	23 53	15 26	1n 1	21 21	0 14	24 51	1 22	8 6	1 4	10 24	0 59	0 32	2 32	24 19	0 26	2 44	2 4	35 30	14 11	12 39	12 4	12 46			n.a.
T 8	23 53	17 48	2 6	20 58	0 23	24 46	1 23	8 21	1 3	10 27	0 59	0 33	2 33	24 19	0 26	2 44	2 4	35 31	14 11	12 38	12 3	12 45			n.a.
W 9	23 53	19 16	3 3	20 34	0 33	24 39	1 24	8 35	1 3	10 30	0 59	0 34	2 33	24 19	0 26	2 44	2 4	35 31	14 11	12 36	12 2	12 43			n.a.
T 10	23 53	19 47	3 51	20 11	0 43	24 33	1 25	8 50	1 2	10 34	0 59	0 35	2 33	24 19	0 26	2 44	2 4	35 31	14 11	12 34	12 0	12 41			n.a.
F 11	23 52	19 21	4 28	19 47	0 53	24 25	1 25	9 4	1 2	10 37	0 59	0 36	2 33	24 19	0 26	2 44	2 4	35 32	14 11	12 30	11 59	12 40			n.a.
S 12	23 51	18 2	4 52	19 23	1 3	24 17	1 26	9 18	1 1	10 41	0 59	0 36	2 34	24 19	0 26	2 44	2 4	35 32	14 11	12 26	11 58	12 38			n.a.
S 13	23 49	15 57	5 2	19 0	1 13	24 7	1 26	9 33	1 0	10 44	0 59	0 37	2 34	24 19	0 26	2 44	2 4	35 33	14 12	12 22	11 57	12 36			n.a.
M14	23 47	13 12	5 0	18 36	1 23	23 58	1 27	9 47	1 0	10 47	0 59	0 38	2 34	24 19	0 26	2 44	2 4	35 33	14 12	12 19	11 56	12 35			n.a.
T 15	23 44	9 55	4 44	18 13	1 34	23 47	1 27	10 1	0 59	10 50	0 59	0 39	2 35	24 19	0 26	2 44	2 4	35 33	14 12	12 15	11 55	12 33			n.a.
W16	23 41	6 16	4 16	17 49	1 44	23 36	1 27	10 14	0 59	10 53	0 59	0 39	2 35	24 19	0 26	2 45	2 4	35 34	14 12	12 13	11 54	12 31			n.a.
T 17	23 38	2 21	3 37	17 27	1 55	23 24	1 28	10 28	0 58	10 56	0 59	0 40	2 35	24 19	0 26	2 45	2 4	35 34	14 12	12 11	11 53	12 30			n.a.
F 18	23 34	1n42	2 48	17 5	2 5	23 11	1 28	10 42	0 57	11 0	0 59	0 41	2 35	24 19	0 26	2 45	2 4	35 34	14 12	12 10	11 51	12 28			n.a.
S 19	23 30	5 46	1 51	16 43	2 16	22 58	1 28	10 55	0 57	11 3	0 59	0 41	2 36	24 19	0 26	2 45	2 4	35 35	14 12	12 10	11 50	12 26			n.a.
S 20	23 25	9 41	0 46	16 23	2 26	22 44	1 28	11 9	0 56	11 5	0 59	0 42	2 36	24 19	0 26	2 45	2 4	35 35	14 13	12 10	11 49	12 24			n.a.
M21	23 20	13 15	0s22	16 3	2 36	22 29	1 28	11 22	0 55	11 8	0 59	0 42	2 36	24 19	0 26	2 46	2 3	35 36	14 13	12 10	11 48	12 23			n.a.
T 22	23 14	16 17	1 31	15 44	2 47	22 13	1 28	11 35	0 55	11 11	1 0	0 43	2 36	24 19	0 26	2 46	2 3	35 36	14 13	12 10	11 47	12 21			n.a.
W23	23 8	18 30	2 38	15 27	2 57	21 57	1 28	11 48	0 54	11 14	1 0	0 43	2 37	24 19	0 26	2 46	2 3	35 36	14 13	12 9	11 46	12 19			n.a.
T 24	23 2	19 38	3 36	15 11	3 6	21 41	1 28	12 1	0 53	11 17	1 0	0 43	2 37	24 19	0 27	2 46	2 3	35 37	14 13	12 6	11 45	12 18			n.a.
F 25	22 55	19 30	4 23	14 57	3 16	21 23	1 27	12 14	0 53	11 19	1 0	0 44	2 37	24 19	0 27	2 47	2 3	35 37	14 13	12 4	11 43	12 16			n.a.
S 26	22 48	18 0	4 52	14 44	3 25	21 5	1 27	12 27	0 52	11 22	1 0	0 44	2 38	24 18	0 27	2 47	2 3	35 37	14 13	12 0	11 42	12 14			n.a.
S 27	22 40	15 14	5 1	14 34	3 33	20 47	1 27	12 39	0 51	11 25	1 0	0 44	2 38	24 18	0 27	2 47	2 3	35 38	14 13	11 56	11 41	12 12			n.a.
M28	22 32	11 27	4 49	14 26	3 41	20 28	1 26	12 52	0 51	11 27	1 0	0 44	2 38	24 18	0 27	2 47	2 3	35 38	14 13	11 52	11 40	12 11			n.a.
T 29	22 24	6 58	4 17	14 20	3 48	20 8	1 26	13 4	0 50	11 30	1 0	0 44	2 38	24 18	0 27	2 48	2 3	35 38	14 13	11 49	11 39	12 9			n.a.
W30	22 15	2 10	3 29	14 16	3 55	19 48	1 25	13 17	0 49	11 32	1 0	0 44	2 39	24 18	0 27	2 48	2 3	35 38	14 13	11 47	11 38	12 7			n.a.
T 31	22n 5	2s38	2s28	14n15	4s 0	19n27	1n24	13n29	0s48	11n34	1s 0	0n44	2s39	24n18	0n27	2s48	2n 3	35s39	14s13	11s46	11s37	12s 6			n.a.

Julian Day Number = 1117480.5, Delta T = 10h45m44s
Ecliptic obliquity = 23°53'07, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'58, Lahiri = -26°45'58 Julian Calendar 1 July 1654 BCE == Greg. Calendar 17 June 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

AUGUST 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 38 48	22♋43'24	14♎46	9°R29	11♌ 9	7♉59	2♉28	7♈50	2♋35	11♎39	24°R 9	0°R14	29♎45	14♒22	n.a.	F 1
S 2	19 42 45	23°41'55	28°12	8♌59	12°24	8°33	2°34	7°51	2°39	11°40	24♑ 7	0♏14	29°42	14°29	n.a.	S 2
S 3	19 46 41	24°40'29	11♏17	8°23	13°38	9° 7	2°41	7°51	2°43	11°41	24° 6	0°13	29°39	14°36	n.a.	S 3
M 4	19 50 38	25°39'04	24° 3	7°40	14°52	9°41	2°47	7°51	2°46	11°41	24° 5	0°12	29°36	14°42	n.a.	M 4
T 5	19 54 34	26°37'41	6♐35	6°52	16° 6	10°14	2°53	7°R52	2°50	11°42	24° 4	0° 8	29°33	14°49	n.a.	T 5
W 6	19 58 31	27°36'20	18°55	5°58	17°21	10°48	2°59	7°52	2°53	11°43	24° 2	0° 1	29°29	14°56	n.a.	W 6
T 7	20 2 27	28°35'01	1♑ 7	5° 0	18°35	11°21	3° 5	7°51	2°57	11°44	24° 1	29♎52	29°26	15° 2	n.a.	T 7
F 8	20 6 24	29°33'44	13°11	3°58	19°49	11°54	3°11	7°51	3° 0	11°45	24° 0	29°39	29°23	15° 9	n.a.	F 8
S 9	20 10 20	0♌32'29	25°11	2°54	21° 3	12°27	3°16	7°51	3° 4	11°46	23°59	29°26	29°20	15°16	n.a.	S 9
S 10	20 14 17	1°31'16	7♒ 6	1°49	22°18	13° 0	3°22	7°50	3° 7	11°47	23°57	29°11	29°17	15°23	n.a.	S 10
M11	20 18 13	2°30'05	18°58	0°46	23°32	13°32	3°27	7°50	3°10	11°48	23°56	28°57	29°13	15°29	n.a.	M11
T 12	20 22 10	3°28'57	0♓50	29♋44	24°46	14° 5	3°32	7°49	3°14	11°49	23°55	28°45	29°10	15°36	n.a.	T 12
W13	20 26 7	4°27'50	12°42	28°47	26° 0	14°37	3°37	7°48	3°17	11°50	23°54	28°36	29° 7	15°43	n.a.	W13
T 14	20 30 3	5°26'46	24°37	27°55	27°15	15° 9	3°41	7°48	3°20	11°51	23°52	28°29	29° 4	15°49	n.a.	T 14
F 15	20 34 0	6°25'45	6♈39	27°10	28°29	15°41	3°46	7°47	3°24	11°52	23°51	28°25	29° 1	15°56	n.a.	F 15
S 16	20 37 56	7°24'46	18°51	26°33	29°43	16°12	3°50	7°46	3°27	11°54	23°50	28°23	28°58	16° 3	n.a.	S 16
S 17	20 41 53	8°23'49	1♉19	26° 5	0♍57	16°43	3°54	7°44	3°30	11°55	23°49	28°D23	28°54	16°10	n.a.	S 17
M18	20 45 49	9°22'55	14° 7	25°47	2°12	17°15	3°58	7°43	3°34	11°56	23°48	28°R23	28°51	16°16	n.a.	M18
T 19	20 49 46	10°22'03	27°20	25°D39	3°26	17°46	4° 2	7°42	3°37	11°57	23°46	28°22	28°48	16°23	n.a.	T 19
W20	20 53 42	11°21'14	11♊ 0	25°41	4°40	18°16	4° 6	7°40	3°40	11°59	23°45	28°19	28°45	16°30	n.a.	W20
T 21	20 57 39	12°20'28	25°11	25°54	5°54	18°47	4° 9	7°38	3°43	12° 0	23°44	28°14	28°42	16°36	n.a.	T 21
F 22	21 1 35	13°19'44	9♋50	26°17	7° 8	19°17	4°13	7°37	3°46	12° 1	23°43	28° 6	28°38	16°43	n.a.	F 22
S 23	21 5 32	14°19'02	24°52	26°49	8°23	19°47	4°16	7°35	3°49	12° 3	23°42	27°56	28°35	16°50	n.a.	S 23
S 24	21 9 29	15°18'22	10♌ 9	27°31	9°37	20°17	4°19	7°33	3°52	12° 4	23°40	27°45	28°32	16°57	n.a.	S 24
M25	21 13 25	16°17'45	25°29	28°21	10°51	20°46	4°21	7°31	3°55	12° 6	23°39	27°35	28°29	17° 3	n.a.	M25
T 26	21 17 22	17°17'10	10♍41	29°19	12° 5	21°16	4°24	7°29	3°58	12° 7	23°38	27°27	28°26	17°10	n.a.	T 26
W27	21 21 18	18°16'37	25°35	0♌24	13°19	21°45	4°26	7°26	4° 1	12° 9	23°37	27°21	28°23	17°17	n.a.	W27
T 28	21 25 15	19°16'06	10♎ 4	1°35	14°33	22°14	4°28	7°24	4° 4	12°10	23°36	27°17	28°19	17°23	n.a.	T 28
F 29	21 29 11	20°15'37	24° 5	2°52	15°48	22°42	4°30	7°21	4° 7	12°12	23°35	27°D16	28°16	17°30	n.a.	F 29
S 30	21 33 8	21°15'10	7♏38	4°13	17° 2	23°10	4°32	7°19	4°10	12°13	23°34	27°16	28°13	17°37	n.a.	S 30
S 31	21 37 4	22♌14'44	20♏45	5♌39	18♍16	23♉38	4♉33	7♈16	4♋13	12♎15	23♑33	27°R17	28♎10	17♒44	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n56	7s10	1s21	14n17	4s 4	19n 5	1n24	13n41	0s48	11n37	1s 0	0n44	2s39	24n18	0n27	2s49	2n 3	35s39	14s13	11s46	11s36	12s 4		n.a.
S 2	21 46	11 12	0 11	14 23	4 7	18 43	1 23	13 53	0 47	11 39	1 0	0 44	2 39	24 18	0 27	2 49	2 3	35 39	14 14	11 46	11 34	12 2		n.a.
S 3	21 35	14 34	0n58	14 31	4 8	18 21	1 22	14 4	0 46	11 41	1 0	0 44	2 40	24 18	0 27	2 50	2 3	35 40	14 14	11 46	11 33	12 0		n.a.
M 4	21 24	17 10	2 2	14 42	4 8	17 58	1 21	14 16	0 45	11 43	1 1	0 44	2 40	24 18	0 27	2 50	2 3	35 40	14 14	11 45	11 32	11 59		n.a.
T 5	21 13	18 52	2 59	14 56	4 6	17 34	1 20	14 28	0 44	11 45	1 1	0 44	2 40	24 18	0 27	2 50	2 2	35 40	14 14	11 44	11 31	11 57		n.a.
W 6	21 2	19 39	3 47	15 13	4 2	17 10	1 19	14 39	0 44	11 47	1 1	0 43	2 41	24 18	0 27	2 51	2 2	35 40	14 14	11 41	11 30	11 55		n.a.
T 7	20 50	19 30	4 23	15 33	3 56	16 46	1 18	14 50	0 43	11 49	1 1	0 43	2 41	24 18	0 27	2 51	2 2	35 41	14 14	11 38	11 29	11 53		n.a.
F 8	20 37	18 27	4 47	15 55	3 49	16 21	1 16	15 1	0 42	11 51	1 1	0 43	2 41	24 18	0 27	2 52	2 2	35 41	14 14	11 33	11 28	11 52		n.a.
S 9	20 25	16 36	4 59	16 20	3 39	15 56	1 15	15 12	0 41	11 53	1 1	0 42	2 41	24 18	0 27	2 52	2 2	35 41	14 14	11 28	11 26	11 50		n.a.
S 10	20 11	14 4	4 57	16 46	3 27	15 30	1 14	15 23	0 40	11 55	1 1	0 42	2 42	24 18	0 27	2 53	2 2	35 41	14 14	11 23	11 25	11 48		n.a.
M11	19 58	10 57	4 42	17 14	3 13	15 4	1 12	15 34	0 39	11 56	1 1	0 42	2 42	24 18	0 27	2 53	2 2	35 42	14 14	11 18	11 24	11 46		n.a.
T 12	19 44	7 25	4 15	17 42	2 57	14 37	1 11	15 45	0 39	11 58	1 1	0 41	2 42	24 18	0 27	2 53	2 2	35 42	14 14	11 14	11 23	11 45		n.a.
W13	19 30	3 36	3 36	18 10	2 41	14 10	1 9	15 55	0 38	12 0	1 1	0 40	2 42	24 17	0 27	2 54	2 2	35 42	14 14	11 10	11 22	11 43		n.a.
T 14	19 16	0n23	2 48	18 38	2 23	13 43	1 8	16 6	0 37	12 1	1 1	0 40	2 43	24 17	0 27	2 54	2 2	35 42	14 13	11 8	11 21	11 41		n.a.
F 15	19 1	4 24	1 52	19 6	2 4	13 15	1 6	16 16	0 36	12 3	1 1	0 39	2 43	24 17	0 27	2 55	2 2	35 42	14 13	11 7	11 20	11 40		n.a.
S 16	18 46	8 17	0 50	19 32	1 44	12 47	1 4	16 26	0 35	12 4	1 2	0 39	2 43	24 17	0 27	2 56	2 2	35 43	14 13	11 6	11 18	11 38		n.a.
S 17	18 30	11 54	0s16	19 56	1 25	12 19	1 3	16 36	0 34	12 5	1 2	0 38	2 43	24 17	0 27	2 56	2 2	35 43	14 13	11 6	11 17	11 36		n.a.
M18	18 14	15 4	1 22	20 19	1 6	11 50	1 1	16 46	0 33	12 7	1 2	0 37	2 44	24 17	0 27	2 57	2 2	35 43	14 13	11 6	11 16	11 34		n.a.
T 19	17 58	17 33	2 27	20 39	0 47	11 21	0 59	16 56	0 32	12 8	1 2	0 36	2 44	24 17	0 27	2 57	2 2	35 43	14 13	11 6	11 15	11 33		n.a.
W20	17 42	19 7	3 25	20 56	0 28	10 52	0 57	17 5	0 31	12 9	1 2	0 35	2 44	24 17	0 27	2 58	2 1	35 43	14 13	11 5	11 14	11 31		n.a.
T 21	17 25	19 34	4 13	21 11	0 11	10 22	0 55	17 15	0 30	12 10	1 2	0 35	2 44	24 17	0 27	2 58	2 1	35 43	14 13	11 3	11 13	11 29		n.a.
F 22	17 8	18 45	4 47	21 23	0n 6	9 52	0 53	17 24	0 29	12 11	1 2	0 34	2 45	24 17	0 27	2 59	2 1	35 44	14 13	11 0	11 11	11 27		n.a.
S 23	16 50	16 37	5 1	21 32	0 22	9 22	0 51	17 34	0 28	12 12	1 2	0 33	2 45	24 17	0 27	3 0	2 1	35 44	14 13	10 56	11 10	11 26		n.a.
S 24	16 33	13 18	4 55	21 38	0 36	8 52	0 49	17 43	0 27	12 13	1 2	0 32	2 45	24 17	0 27	3 0	2 1	35 44	14 13	10 52	11 9	11 24		n.a.
M25	16 15	9 5	4 27	21 41	0 49	8 21	0 47	17 52	0 26	12 14	1 2	0 31	2 45	24 17	0 27	3 1	2 1	35 44	14 13	10 48	11 8	11 22		n.a.
T 26	15 56	4 18	3 41	21 40	1 1	7 50	0 44	18 1	0 25	12 15	1 2	0 30	2 46	24 17	0 27	3 1	2 1	35 44	14 13	10 45	11 7	11 20		n.a.
W27	15 38	0s39	2 40	21 37	1 12	7 19	0 42	18 9	0 24	12 15	1 3	0 28	2 46	24 17	0 27	3 2	2 1	35 44	14 12	10 43	11 6	11 19		n.a.
T 28	15 19	5 26	1 30	21 30	1 21	6 48	0 40	18 18	0 23	12 16	1 3	0 27	2 46	24 16	0 27	3 3	2 1	35 44	14 12	10 42	11 5	11 17		n.a.
F 29	15 0	9 46	0 17	21 20	1 30	6 17	0 37	18 26	0 22	12 17	1 3	0 26	2 46	24 16	0 27	3 3	2 1	35 44	14 12	10 41	11 3	11 15		n.a.
S 30	14 41	13 27	0n55	21 7	1 37	5 45	0 35	18 35	0 21	12 17	1 3	0 25	2 46	24 16	0 27	3 4	2 1	35 45	14 12	10 42	11 2	11 13		n.a.
S 31	14n21	16s19	2n 2	20n52	1n42	5n13	0n32	18n43	0s19	12n18	1s 3	0n24	2s47	24n16	0n27	3s 5	2n 1	35s45	14s12	10s42	11s 1	11s11		n.a.

Julian Day Number = 1117511.5, Delta T = 10h45m42s
Ecliptic obliquity = 23°53'07, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'54, Lahiri = -26°45'54 Julian Calendar 1 Aug. 1654 BCE == Greg. Calendar 18 July 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

SEPTEMBER 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 41 1	23♌14'21	3♐30	7♌ 9	19♍30	24♉ 6	4♉35	7°R13	4♋16	12♎16	23°R32	27°R16	28♎ 7	17♒50	n.a.	M 1
T 2	21 44 57	24°14'00	15°57	8°41	20°44	24°33	4°36	7♈11	4°18	12°18	23♏31	27♎14	28° 4	17°57	n.a.	T 2
W 3	21 48 54	25°13'40	28°10	10°16	21°58	25° 1	4°37	7° 8	4°21	12°20	23°30	27° 9	28° 0	18° 4	n.a.	W 3
T 4	21 52 51	26°13'23	10♑14	11°53	23°12	25°28	4°37	7° 5	4°24	12°21	23°28	27° 2	27°57	18°10	n.a.	T 4
F 5	21 56 47	27°13'07	22°12	13°32	24°26	25°54	4°38	7° 1	4°26	12°23	23°27	26°52	27°54	18°17	n.a.	F 5
S 6	22 0 44	28°12'54	4♒ 6	15°12	25°40	26°20	4°38	6°58	4°29	12°25	23°26	26°41	27°51	18°24	n.a.	S 6
S 7	22 4 40	29°12'42	15°58	16°52	26°54	26°46	4°R38	6°55	4°32	12°27	23°25	26°29	27°48	18°31	n.a.	S 7
M 8	22 8 37	0♍12'33	27°51	18°34	28° 8	27°12	4°38	6°52	4°34	12°28	23°25	26°18	27°44	18°37	n.a.	M 8
T 9	22 12 33	1°12'25	9♓45	20°16	29°22	27°37	4°38	6°48	4°37	12°30	23°24	26° 9	27°41	18°44	n.a.	T 9
W10	22 16 30	2°12'20	21°41	21°58	0♎36	28° 2	4°38	6°45	4°39	12°32	23°23	26° 1	27°38	18°51	n.a.	W10
T 11	22 20 26	3°12'17	3♈43	23°40	1°50	28°27	4°37	6°41	4°41	12°34	23°22	25°56	27°35	18°57	n.a.	T 11
F 12	22 24 23	4°12'16	15°52	25°23	3° 4	28°51	4°36	6°37	4°44	12°36	23°21	25°53	27°32	19° 4	n.a.	F 12
S 13	22 28 19	5°12'17	28°10	27° 5	4°18	29°15	4°35	6°33	4°46	12°38	23°20	25°D53	27°29	19°11	n.a.	S 13
S 14	22 32 16	6°12'21	10♉42	28°47	5°31	29°39	4°34	6°29	4°48	12°39	23°19	25°54	27°25	19°18	n.a.	S 14
M15	22 36 13	7°12'27	23°30	0♍29	6°45	0♊ 2	4°32	6°26	4°50	12°41	23°18	25°55	27°22	19°24	n.a.	M15
T 16	22 40 9	8°12'35	6♊39	2°10	7°59	0°25	4°31	6°22	4°53	12°43	23°17	25°R56	27°19	19°31	n.a.	T 16
W17	22 44 6	9°12'46	20°12	3°51	9°13	0°48	4°29	6°17	4°55	12°45	23°17	25°55	27°16	19°38	n.a.	W17
T 18	22 48 2	10°12'59	4♋10	5°32	10°27	1°10	4°27	6°13	4°57	12°47	23°16	25°53	27°13	19°44	n.a.	T 18
F 19	22 51 59	11°13'14	18°34	7°12	11°41	1°32	4°24	6° 9	4°59	12°49	23°15	25°48	27°10	19°51	n.a.	F 19
S 20	22 55 55	12°13'32	3♌21	8°52	12°54	1°53	4°22	6° 5	5° 1	12°51	23°14	25°42	27° 6	19°58	n.a.	S 20
S 21	22 59 52	13°13'51	18°25	10°31	14° 8	2°14	4°19	6° 0	5° 3	12°53	23°14	25°36	27° 3	20° 5	n.a.	S 21
M22	23 3 48	14°14'13	3♍36	12°10	15°22	2°34	4°16	5°56	5° 5	12°55	23°13	25°29	27° 0	20°11	n.a.	M22
T 23	23 7 45	15°14'36	18°45	13°49	16°36	2°54	4°13	5°52	5° 6	12°57	23°12	25°24	26°57	20°18	n.a.	T 23
W24	23 11 42	16°15'02	3♎42	15°27	17°49	3°14	4°10	5°47	5° 8	12°59	23°11	25°20	26°54	20°25	n.a.	W24
T 25	23 15 38	17°15'29	18°17	17° 5	19° 3	3°33	4° 7	5°43	5°10	13° 1	23°11	25°18	26°50	20°31	n.a.	T 25
F 26	23 19 35	18°15'58	2♏27	18°42	20°17	3°52	4° 3	5°38	5°12	13° 3	23°10	25°D18	26°47	20°38	n.a.	F 26
S 27	23 23 31	19°16'28	16° 9	20°19	21°30	4°10	3°59	5°33	5°13	13° 6	23°10	25°20	26°44	20°45	n.a.	S 27
S 28	23 27 28	20°17'00	29°24	21°56	22°44	4°28	3°55	5°29	5°15	13° 8	23° 9	25°21	26°41	20°52	n.a.	S 28
M29	23 31 24	21°17'34	12♐14	23°32	23°57	4°45	3°51	5°24	5°16	13°10	23° 8	25°23	26°38	20°58	n.a.	M29
T 30	23 35 21	22♍18'09	24♐44	25♍ 7	25♎11	5♊ 2	3♉47	5♈19	5♋18	13♎12	23♏ 8	25°R23	26♎35	21♒ 5	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14n 1	18s18	3n 0	20n33	1n47	4n41	0n30	18n51	0s18	12n18	1s 3	0n22	2s47	24n16	0n27	3s 5	2n 1	35s45	14s12	10s42	11s 0	11s10		n.a.
T 2	13 41	19 20	3 49	20 13	1 51	4 9	0 27	18 59	0 17	12 18	1 3	0 21	2 47	24 16	0 27	3 6	2 1	35 45	14 12	10 41	10 59	11 8		n.a.
W 3	13 21	19 26	4 26	19 49	1 54	3 37	0 25	19 7	0 16	12 18	1 3	0 20	2 47	24 16	0 27	3 7	2 1	35 45	14 12	10 39	10 58	11 6		n.a.
T 4	13 1	18 39	4 51	19 24	1 56	3 5	0 22	19 15	0 15	12 19	1 3	0 18	2 48	24 16	0 27	3 8	2 1	35 45	14 11	10 36	10 56	11 4		n.a.
F 5	12 40	17 2	5 3	18 56	1 57	2 33	0 20	19 22	0 14	12 19	1 3	0 17	2 48	24 16	0 27	3 8	2 1	35 45	14 11	10 33	10 55	11 3		n.a.
S 6	12 19	14 43	5 1	18 27	1 58	2 1	0 17	19 30	0 12	12 19	1 3	0 15	2 48	24 16	0 27	3 9	2 1	35 45	14 11	10 29	10 54	11 1		n.a.
S 7	11 58	11 47	4 47	17 56	1 57	1 28	0 14	19 37	0 11	12 19	1 3	0 14	2 48	24 16	0 27	3 10	2 0	35 45	14 11	10 24	10 53	10 59		n.a.
M 8	11 36	8 23	4 20	17 23	1 56	0 56	0 11	19 44	0 10	12 19	1 4	0 12	2 48	24 16	0 28	3 10	2 0	35 45	14 11	10 20	10 52	10 57		n.a.
T 9	11 15	4 39	3 41	16 49	1 55	0 23	0 9	19 51	0 9	12 18	1 4	0 11	2 48	24 16	0 28	3 11	2 0	35 45	14 11	10 17	10 51	10 56		n.a.
W10	10 53	0 43	2 53	16 13	1 53	0s 9	0 6	19 58	0 7	12 18	1 4	0 9	2 49	24 16	0 28	3 12	2 0	35 45	14 10	10 14	10 50	10 54		n.a.
T 11	10 31	3n17	1 56	15 36	1 50	0 42	0 3	20 5	0 6	12 18	1 4	0 7	2 49	24 16	0 28	3 13	2 0	35 45	14 10	10 12	10 48	10 52		n.a.
F 12	10 9	7 11	0 54	14 59	1 47	1 14	0 0	20 12	0 5	12 18	1 4	0 6	2 49	24 16	0 28	3 14	2 0	35 45	14 10	10 11	10 47	10 50		n.a.
S 13	9 47	10 50	0s12	14 20	1 44	1 47	0s 3	20 19	0 3	12 17	1 4	0 4	2 49	24 16	0 28	3 14	2 0	35 45	14 10	10 11	10 46	10 48		n.a.
S 14	9 24	14 3	1 19	13 40	1 40	2 19	0 6	20 25	0 2	12 17	1 4	0 2	2 49	24 15	0 28	3 15	2 0	35 45	14 10	10 11	10 45	10 47		n.a.
M15	9 1	16 41	2 23	13 0	1 36	2 51	0 8	20 32	0 1	12 16	1 4	0 1	2 49	24 15	0 28	3 16	2 0	35 45	14 9	10 12	10 44	10 45		n.a.
T 16	8 39	18 30	3 22	12 19	1 31	3 24	0 11	20 38	0n 1	12 15	1 4	0s 1	2 50	24 15	0 28	3 17	2 0	35 45	14 9	10 12	10 43	10 43		n.a.
W17	8 16	19 20	4 11	11 37	1 26	3 56	0 14	20 44	0 2	12 15	1 4	0 3	2 50	24 15	0 28	3 17	2 0	35 45	14 9	10 12	10 41	10 41		n.a.
T 18	7 53	19 2	4 47	10 55	1 21	4 28	0 17	20 50	0 4	12 14	1 4	0 5	2 50	24 15	0 28	3 18	2 0	35 45	14 9	10 11	10 40	10 40		n.a.
F 19	7 29	17 31	5 7	10 12	1 16	5 0	0 20	20 56	0 5	12 13	1 4	0 6	2 50	24 15	0 28	3 19	2 0	35 45	14 9	10 9	10 39	10 38		n.a.
S 20	7 6	14 48	5 6	9 29	1 11	5 32	0 23	21 2	0 7	12 12	1 4	0 8	2 50	24 15	0 28	3 20	2 0	35 45	14 8	10 7	10 38	10 36		n.a.
S 21	6 43	11 4	4 45	8 46	1 5	6 4	0 26	21 8	0 8	12 11	1 4	0 10	2 50	24 15	0 28	3 21	2 0	35 44	14 8	10 4	10 37	10 34		n.a.
M22	6 19	6 35	4 4	8 2	0 59	6 36	0 29	21 13	0 10	12 10	1 4	0 12	2 50	24 15	0 28	3 22	2 0	35 44	14 8	10 2	10 36	10 32		n.a.
T 23	5 55	1 42	3 5	7 18	0 53	7 8	0 32	21 19	0 11	12 9	1 5	0 14	2 50	24 15	0 28	3 22	2 0	35 44	14 8	10 0	10 34	10 31		n.a.
W24	5 31	3s15	1 55	6 34	0 47	7 39	0 35	21 24	0 13	12 8	1 5	0 16	2 50	24 15	0 28	3 23	2 0	35 44	14 7	9 59	10 33	10 29		n.a.
T 25	5 7	7 53	0 38	5 49	0 41	8 11	0 38	21 29	0 14	12 7	1 5	0 18	2 51	24 15	0 28	3 24	2 0	35 44	14 7	9 58	10 32	10 27		n.a.
F 26	4 43	11 56	0n39	5 5	0 35	8 42	0 41	21 35	0 16	12 5	1 5	0 19	2 51	24 15	0 28	3 25	2 0	35 44	14 7	9 58	10 31	10 25		n.a.
S 27	4 19	15 12	1 51	4 21	0 29	9 13	0 44	21 40	0 18	12 4	1 5	0 21	2 51	24 15	0 28	3 26	2 0	35 44	14 7	9 58	10 30	10 24		n.a.
S 28	3 55	17 33	2 55	3 36	0 22	9 43	0 47	21 45	0 19	12 3	1 5	0 23	2 51	24 15	0 28	3 27	2 0	35 44	14 6	9 59	10 29	10 22		n.a.
M29	3 31	18 54	3 48	2 51	0 16	10 14	0 50	21 50	0 21	12 1	1 5	0 25	2 51	24 15	0 28	3 28	2 0	35 43	14 6	10 0	10 27	10 20		n.a.
T 30	3n 7	19s18	4n29	2n 7	0n 9	10s44	0s53	21n54	0n23	12n 0	1s 5	0s27	2s51	24n15	0n28	3s28	2n 0	35s43	14s 6	10s 0	10s26	10s18		n.a.

Julian Day Number = 1117542.5, Delta T = 10h45m40s
Ecliptic obliquity = 23°53'07, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'50, Lahiri = -26°45'50 Julian Calendar 1 Sept. 1654 BCE == Greg. Calendar 18 Aug. 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

OCTOBER 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 39 17	23♍18'45	6♑57	26♍43	26♎24	5♊18	3°R42	5°R14	5♋19	13♎14	23°R 7	25°R22	26♎31	21♒12	n.a.	W 1
T 2	23 43 14	24°19'23	19° 0	28°18	27°38	5°33	3♉37	5♈10	5°21	13°16	23♑ 7	25♎19	26°28	21°18	n.a.	T 2
F 3	23 47 10	25°20'02	0♒55	29°53	28°51	5°49	3°32	5° 5	5°22	13°18	23° 6	25°15	26°25	21°25	n.a.	F 3
S 4	23 51 7	26°20'43	12°46	1♎27	0♏ 5	6° 3	3°27	5° 0	5°23	13°21	23° 6	25°11	26°22	21°32	n.a.	S 4
S 5	23 55 4	27°21'25	24°38	3° 1	1°18	6°17	3°22	4°55	5°25	13°23	23° 5	25° 5	26°19	21°39	n.a.	S 5
M 6	23 59 0	28°22'08	6♓32	4°35	2°32	6°31	3°17	4°50	5°26	13°25	23° 5	25° 0	26°15	21°45	n.a.	M 6
T 7	0 2 57	29°22'53	18°31	6° 9	3°45	6°44	3°11	4°45	5°27	13°27	23° 5	24°56	26°12	21°52	n.a.	T 7
W 8	0 6 53	0♎23'39	0♈37	7°42	4°58	6°56	3° 5	4°40	5°28	13°29	23° 4	24°53	26° 9	21°59	n.a.	W 8
T 9	0 10 50	1°24'27	12°50	9°15	6°12	7° 8	2°59	4°35	5°29	13°32	23° 4	24°51	26° 6	22° 5	n.a.	T 9
F 10	0 14 46	2°25'16	25°13	10°48	7°25	7°19	2°53	4°30	5°30	13°34	23° 4	24°D51	26° 3	22°12	n.a.	F 10
S 11	0 18 43	3°26'07	7♉46	12°21	8°38	7°30	2°47	4°25	5°31	13°36	23° 3	24°51	26° 0	22°19	n.a.	S 11
S 12	0 22 39	4°27'00	20°32	13°54	9°51	7°40	2°41	4°20	5°32	13°38	23° 3	24°52	25°56	22°26	n.a.	S 12
M13	0 26 36	5°27'54	3♊31	15°26	11° 4	7°49	2°34	4°15	5°32	13°41	23° 3	24°54	25°53	22°32	n.a.	M13
T 14	0 30 33	6°28'50	16°47	16°58	12°18	7°57	2°28	4°10	5°33	13°43	23° 3	24°55	25°50	22°39	n.a.	T 14
W15	0 34 29	7°29'47	0♋19	18°30	13°31	8° 5	2°21	4° 5	5°34	13°45	23° 2	24°56	25°47	22°46	n.a.	W15
T 16	0 38 26	8°30'46	14°10	20° 2	14°44	8°13	2°14	4° 0	5°34	13°47	23° 2	24°R56	25°44	22°52	n.a.	T 16
F 17	0 42 22	9°31'47	28°19	21°34	15°57	8°19	2° 7	3°55	5°35	13°50	23° 2	24°55	25°41	22°59	n.a.	F 17
S 18	0 46 19	10°32'48	12♌45	23° 5	17°10	8°25	2° 0	3°51	5°35	13°52	23° 2	24°54	25°37	23° 6	n.a.	S 18
S 19	0 50 15	11°33'52	27°24	24°36	18°23	8°30	1°53	3°46	5°36	13°54	23° 2	24°52	25°34	23°12	n.a.	S 19
M20	0 54 12	12°34'56	12♍11	26° 7	19°35	8°34	1°46	3°41	5°36	13°56	23° 2	24°51	25°31	23°19	n.a.	M20
T 21	0 58 8	13°36'02	26°59	27°38	20°48	8°38	1°38	3°36	5°36	13°59	23° 2	24°49	25°28	23°26	n.a.	T 21
W22	1 2 5	14°37'09	11♎40	29° 9	22° 1	8°41	1°31	3°31	5°37	14° 1	23°D 2	24°49	25°25	23°33	n.a.	W22
T 23	1 6 2	15°38'17	26° 7	0♏39	23°14	8°43	1°23	3°26	5°37	14° 3	23° 2	24°D48	25°21	23°39	n.a.	T 23
F 24	1 9 58	16°39'26	10♏14	2° 8	24°27	8°44	1°16	3°21	5°37	14° 5	23° 2	24°49	25°18	23°46	n.a.	F 24
S 25	1 13 55	17°40'36	23°59	3°37	25°39	8°R45	1° 8	3°17	5°37	14° 8	23° 2	24°49	25°15	23°53	n.a.	S 25
S 26	1 17 51	18°41'47	7♐19	5° 6	26°52	8°44	1° 0	3°12	5°R37	14°10	23° 2	24°50	25°12	23°59	n.a.	S 26
M27	1 21 48	19°42'58	20°16	6°34	28° 4	8°43	0°52	3° 7	5°37	14°12	23° 2	24°51	25° 9	24° 6	n.a.	M27
T 28	1 25 44	20°44'10	2♑51	8° 1	29°17	8°41	0°44	3° 3	5°37	14°14	23° 2	24°51	25° 6	24°13	n.a.	T 28
W29	1 29 41	21°45'23	15° 9	9°27	0♐29	8°39	0°36	2°58	5°37	14°17	23° 2	24°51	25° 2	24°20	n.a.	W29
T 30	1 33 37	22°46'36	27°13	10°53	1°42	8°35	0°28	2°54	5°37	14°19	23° 3	24°R51	24°59	24°26	n.a.	T 30
F 31	1 37 34	23♎47'49	9♒ 8	12♏17	2♐54	8♊31	0♉20	2♈49	5♋37	14♎21	23♑ 3	24♎51	24♎56	24♒33	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	2n42	18s46	4n57	1n22	0n 3	11s14	0s55	21n59	0n25	11n58	1s 5	0s29	2s51	24n15	0n28	3s29	2n 0	35s43	14s 6	9s59	10s25	10s16			n.a.
T 2	2 18	17 23	5 11	0 38	0s 4	11 44	0 58	22 4	0 26	11 56	1 5	0 31	2 51	24 15	0 28	3 30	2 0	35 43	14 5	9 58	10 24	10 15			n.a.
F 3	1 53	15 16	5 11	0s 6	0 10	12 13	1 1	22 8	0 28	11 55	1 5	0 33	2 51	24 15	0 28	3 31	2 0	35 43	14 5	9 57	10 23	10 13			n.a.
S 4	1 29	12 32	4 58	0 50	0 17	12 42	1 4	22 13	0 30	11 53	1 5	0 35	2 51	24 15	0 28	3 32	2 0	35 43	14 5	9 55	10 22	10 11			n.a.
S 5	1 4	9 17	4 32	1 34	0 23	13 11	1 7	22 17	0 32	11 51	1 5	0 37	2 51	24 15	0 28	3 33	2 0	35 42	14 5	9 53	10 20	10 9			n.a.
M 6	0 40	5 39	3 55	2 18	0 30	13 40	1 10	22 21	0 34	11 49	1 5	0 39	2 51	24 15	0 28	3 34	1 59	35 42	14 4	9 51	10 19	10 7			n.a.
T 7	0 15	1 46	3 7	3 2	0 36	14 8	1 12	22 25	0 36	11 47	1 5	0 41	2 51	24 15	0 28	3 35	1 59	35 42	14 4	9 50	10 18	10 6			n.a.
W 8	0s10	2n13	2 9	3 45	0 42	14 36	1 15	22 29	0 38	11 45	1 5	0 43	2 51	24 15	0 28	3 35	1 59	35 42	14 4	9 49	10 17	10 4			n.a.
T 9	0 34	6 10	1 6	4 28	0 49	15 3	1 18	22 33	0 40	11 43	1 5	0 45	2 51	24 15	0 29	3 36	1 59	35 42	14 3	9 48	10 16	10 2			n.a.
F 10	0 59	9 54	0s 2	5 11	0 55	15 30	1 20	22 37	0 41	11 41	1 5	0 47	2 51	24 15	0 29	3 37	1 59	35 41	14 3	9 48	10 14	10 0			n.a.
S 11	1 23	13 15	1 11	5 54	1 1	15 57	1 23	22 41	0 44	11 39	1 5	0 49	2 51	24 15	0 29	3 38	1 59	35 41	14 3	9 48	10 13	9 58			n.a.
S 12	1 48	16 1	2 17	6 36	1 7	16 23	1 26	22 45	0 46	11 37	1 5	0 51	2 51	24 15	0 29	3 39	1 59	35 41	14 3	9 48	10 12	9 57			n.a.
M13	2 13	18 1	3 18	7 18	1 13	16 49	1 28	22 48	0 48	11 35	1 5	0 53	2 51	24 15	0 29	3 40	1 59	35 41	14 2	9 49	10 11	9 55			n.a.
T 14	2 37	19 5	4 9	7 59	1 18	17 15	1 31	22 52	0 50	11 32	1 5	0 55	2 51	24 15	0 29	3 41	1 59	35 40	14 2	9 49	10 10	9 53			n.a.
W15	3 2	19 5	4 48	8 40	1 24	17 40	1 33	22 55	0 52	11 30	1 5	0 57	2 51	24 15	0 29	3 42	1 59	35 40	14 2	9 50	10 9	9 51			n.a.
T 16	3 26	17 58	5 11	9 21	1 29	18 5	1 36	22 58	0 54	11 28	1 5	0 59	2 51	24 15	0 29	3 43	1 59	35 40	14 1	9 50	10 7	9 49			n.a.
F 17	3 51	15 44	5 16	10 1	1 35	18 29	1 38	23 2	0 56	11 25	1 5	1 1	2 51	24 15	0 29	3 43	1 59	35 40	14 1	9 49	10 6	9 47			n.a.
S 18	4 15	12 29	5 1	10 40	1 40	18 52	1 40	23 5	0 58	11 23	1 5	1 3	2 51	24 15	0 29	3 44	1 59	35 39	14 1	9 49	10 5	9 46			n.a.
S 19	4 39	8 26	4 27	11 19	1 45	19 15	1 43	23 8	1 1	11 21	1 5	1 5	2 51	24 15	0 29	3 45	1 59	35 39	14 0	9 48	10 4	9 44			n.a.
M20	5 4	3 49	3 35	11 58	1 49	19 38	1 45	23 11	1 3	11 18	1 5	1 7	2 51	24 15	0 29	3 46	1 59	35 39	14 0	9 48	10 3	9 42			n.a.
T 21	5 28	1s 2	2 28	12 35	1 54	20 0	1 47	23 14	1 5	11 15	1 4	1 9	2 50	24 15	0 29	3 47	1 59	35 39	14 0	9 47	10 2	9 40			n.a.
W22	5 52	5 48	1 12	13 12	1 58	20 22	1 49	23 16	1 8	11 13	1 4	1 10	2 50	24 15	0 29	3 48	1 59	35 38	14 0	9 47	10 0	9 38			n.a.
T 23	6 16	10 9	0n 7	13 48	2 2	20 43	1 51	23 19	1 10	11 10	1 4	1 12	2 50	24 15	0 29	3 49	1 59	35 38	13 59	9 47	9 59	9 37			n.a.
F 24	6 40	13 50	1 25	14 23	2 5	21 3	1 53	23 22	1 12	11 8	1 4	1 14	2 50	24 15	0 29	3 50	1 59	35 38	13 59	9 47	9 58	9 35			n.a.
S 25	7 4	16 37	2 35	14 58	2 8	21 23	1 55	23 24	1 15	11 5	1 4	1 16	2 50	24 15	0 29	3 51	1 59	35 37	13 59	9 47	9 57	9 33			n.a.
S 26	7 27	18 24	3 35	15 31	2 11	21 43	1 57	23 26	1 17	11 2	1 4	1 18	2 50	24 15	0 29	3 52	1 59	35 37	13 58	9 47	9 56	9 31			n.a.
M27	7 51	19 10	4 22	16 3	2 14	22 1	1 59	23 29	1 20	11 0	1 4	1 19	2 50	24 15	0 29	3 52	1 59	35 37	13 58	9 48	9 54	9 29			n.a.
T 28	8 15	18 57	4 55	16 35	2 16	22 20	2 0	23 31	1 22	10 57	1 4	1 21	2 50	24 15	0 29	3 53	1 59	35 36	13 58	9 48	9 53	9 28			n.a.
W29	8 38	17 49	5 13	17 5	2 17	22 37	2 2	23 33	1 25	10 54	1 4	1 23	2 50	24 15	0 29	3 54	1 59	35 36	13 57	9 48	9 52	9 26			n.a.
T 30	9 1	15 55	5 17	17 33	2 19	22 54	2 4	23 35	1 27	10 51	1 4	1 25	2 49	24 15	0 29	3 55	1 59	35 36	13 57	9 48	9 51	9 24			n.a.
F 31	9s24	13s21	5n 8	18s 1	2s19	23s10	2s 5	23n37	1n30	10n49	1s 4	1s26	2s49	24n15	0n29	3s56	1n59	35s35	13s57	9s48	9s50	9s22			n.a.

Julian Day Number = 1117572.5, Delta T = 10h45m38s
Ecliptic obliquity = 23°53'07, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'46, Lahiri = -26°45'46 Julian Calendar 1 Oct. 1654 BCE == Greg. Calendar 17 Sept. 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

NOVEMBER 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 41 31	24♎49'03	21♒ 0	13♏39	4♐ 7	8°R26	0°R12	2°R45	5°R36	14♎23	23♑ 3	24°D51	24♎53	24♒40	n.a.	S 1
S 2	1 45 27	25°50'17	2♓51	15° 0	5°19	8♊20	0♉ 4	2♈40	5♋36	14°26	23° 3	24♎51	24°50	24°46	n.a.	S 2
M 3	1 49 24	26°51'31	14°48	16°19	6°31	8°13	29♈56	2°36	5°36	14°28	23° 4	24°51	24°46	24°53	n.a.	M 3
T 4	1 53 20	27°52'46	26°52	17°35	7°43	8° 5	29°48	2°32	5°35	14°30	23° 4	24°52	24°43	25° 0	n.a.	T 4
W 5	1 57 17	28°54'01	9♈ 6	18°49	8°55	7°57	29°40	2°28	5°35	14°32	23° 4	24°52	24°40	25° 6	n.a.	W 5
T 6	2 1 13	29°55'17	21°33	19°59	10° 7	7°48	29°31	2°23	5°34	14°34	23° 5	24°R52	24°37	25°13	n.a.	T 6
F 7	2 5 10	0♏56'33	4♉14	21° 6	11°19	7°37	29°23	2°19	5°33	14°37	23° 5	24°52	24°34	25°20	n.a.	F 7
S 8	2 9 6	1°57'49	17° 9	22° 8	12°31	7°27	29°15	2°15	5°33	14°39	23° 5	24°52	24°31	25°27	n.a.	S 8
S 9	2 13 3	2°59'06	0♊18	23° 5	13°42	7°15	29° 7	2°11	5°32	14°41	23° 6	24°51	24°27	25°33	n.a.	S 9
M10	2 17 0	4° 0'24	13°40	23°57	14°54	7° 2	28°59	2° 8	5°31	14°43	23° 6	24°50	24°24	25°40	n.a.	M10
T 11	2 20 56	5° 1'42	27°15	24°42	16° 5	6°49	28°51	2° 4	5°30	14°45	23° 7	24°48	24°21	25°47	n.a.	T 11
W12	2 24 53	6° 3'00	11♋ 1	25°19	17°17	6°35	28°43	2° 0	5°29	14°47	23° 7	24°47	24°18	25°53	n.a.	W12
T 13	2 28 49	7° 4'19	24°56	25°49	18°28	6°20	28°35	1°57	5°29	14°50	23° 8	24°46	24°15	26° 0	n.a.	T 13
F 14	2 32 46	8° 5'38	9♌ 1	26° 9	19°40	6° 4	28°27	1°53	5°28	14°52	23° 8	24°D46	24°12	26° 7	n.a.	F 14
S 15	2 36 42	9° 6'58	23°12	26°R19	20°51	5°48	28°19	1°50	5°26	14°54	23° 9	24°46	24° 8	26°14	n.a.	S 15
S 16	2 40 39	10° 8'18	7♍29	26°18	22° 2	5°31	28°11	1°46	5°25	14°56	23°10	24°47	24° 5	26°20	n.a.	S 16
M17	2 44 36	11° 9'38	21°47	26° 6	23°13	5°13	28° 3	1°43	5°24	14°58	23°10	24°49	24° 2	26°27	n.a.	M17
T 18	2 48 32	12°10'59	6♎ 5	25°42	24°24	4°55	27°55	1°40	5°23	15° 0	23°11	24°50	23°59	26°34	n.a.	T 18
W19	2 52 29	13°12'19	20°18	25° 6	25°35	4°35	27°48	1°37	5°22	15° 2	23°12	24°R50	23°56	26°40	n.a.	W19
T 20	2 56 25	14°13'40	4♏22	24°19	26°45	4°16	27°40	1°34	5°20	15° 4	23°12	24°50	23°52	26°47	n.a.	T 20
F 21	3 0 22	15°15'01	18°13	23°22	27°56	3°55	27°33	1°31	5°19	15° 6	23°13	24°49	23°49	26°54	n.a.	F 21
S 22	3 4 18	16°16'21	1♐47	22°15	29° 7	3°34	27°25	1°28	5°18	15° 8	23°14	24°47	23°46	27° 0	n.a.	S 22
S 23	3 8 15	17°17'41	15° 3	21° 2	0♑17	3°13	27°18	1°25	5°16	15°10	23°14	24°43	23°43	27° 7	n.a.	S 23
M24	3 12 11	18°19'01	27°59	19°43	1°27	2°51	27°11	1°23	5°15	15°12	23°15	24°39	23°40	27°14	n.a.	M24
T 25	3 16 8	19°20'20	10♑36	18°23	2°37	2°29	27° 4	1°20	5°13	15°14	23°16	24°35	23°37	27°21	n.a.	T 25
W26	3 20 5	20°21'39	22°56	17° 3	3°47	2° 6	26°57	1°18	5°12	15°16	23°17	24°32	23°33	27°27	n.a.	W26
T 27	3 24 1	21°22'57	5♒ 3	15°46	4°57	1°43	26°50	1°16	5°10	15°18	23°18	24°29	23°30	27°34	n.a.	T 27
F 28	3 27 58	22°24'15	16°59	14°34	6° 7	1°20	26°43	1°14	5° 8	15°20	23°19	24°D28	23°27	27°41	n.a.	F 28
S 29	3 31 54	23°25'31	28°50	13°29	7°17	0°56	26°37	1°11	5° 7	15°22	23°20	24°28	23°24	27°47	n.a.	S 29
S 30	3 35 51	24♏26'47	10♓42	12♏32	8♑26	0♊33	26♈30	1♈10	5♋ 5	15♎24	23♑21	24♎29	23♎21	27♒54	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s47	10s16	4n45	18s26	2s19	23s26	2s 6	23n38	1n32	10n46	1s 3	1s28	2s49	24n15	0n29	3s57	1n59	35s35	13s56	9s48	9s49	9s20		n.a.
S 2	10 10	6 45	4 11	18 50	2 19	23 41	2 8	23 40	1 35	10 43	1 3	1 30	2 49	24 15	0 29	3 58	1 59	35 35	13 56	9 48	9 47	9 18		n.a.
M 3	10 32	2 57	3 25	19 13	2 17	23 55	2 9	23 41	1 37	10 40	1 3	1 31	2 49	24 15	0 29	3 59	1 59	35 34	13 56	9 48	9 46	9 17		n.a.
T 4	10 55	1n 0	2 29	19 33	2 15	24 9	2 10	23 43	1 40	10 37	1 3	1 33	2 49	24 15	0 29	3 59	1 59	35 34	13 56	9 48	9 45	9 15		n.a.
W 5	11 17	5 0	1 26	19 51	2 12	24 21	2 11	23 44	1 43	10 35	1 3	1 34	2 48	24 15	0 29	4 0	1 59	35 34	13 55	9 48	9 44	9 13		n.a.
T 6	11 39	8 50	0 18	20 7	2 9	24 34	2 12	23 45	1 45	10 32	1 3	1 36	2 48	24 15	0 30	4 1	1 59	35 33	13 55	9 48	9 43	9 11		n.a.
F 7	12 1	12 21	0s52	20 21	2 4	24 45	2 13	23 46	1 48	10 29	1 3	1 37	2 48	24 16	0 30	4 2	1 59	35 33	13 55	9 48	9 41	9 9		n.a.
S 8	12 23	15 21	2 1	20 32	1 58	24 56	2 14	23 46	1 51	10 26	1 3	1 39	2 48	24 16	0 30	4 3	1 59	35 33	13 54	9 48	9 40	9 7		n.a.
S 9	12 44	17 36	3 4	20 41	1 51	25 6	2 15	23 47	1 53	10 24	1 2	1 40	2 48	24 16	0 30	4 4	1 59	35 32	13 54	9 48	9 39	9 6		n.a.
M10	13 5	18 55	3 59	20 47	1 43	25 15	2 15	23 48	1 56	10 21	1 2	1 41	2 47	24 16	0 30	4 4	1 59	35 32	13 54	9 47	9 38	9 4		n.a.
T 11	13 26	19 10	4 41	20 49	1 34	25 24	2 16	23 48	1 59	10 18	1 2	1 43	2 47	24 16	0 30	4 5	2 0	35 31	13 53	9 47	9 37	9 2		n.a.
W12	13 47	18 19	5 8	20 48	1 24	25 32	2 16	23 48	2 1	10 15	1 2	1 44	2 47	24 16	0 30	4 6	2 0	35 31	13 53	9 46	9 35	9 0		n.a.
T 13	14 8	16 21	5 17	20 44	1 12	25 39	2 17	23 48	2 4	10 12	1 2	1 45	2 47	24 16	0 30	4 7	2 0	35 31	13 53	9 46	9 34	8 58		n.a.
F 14	14 28	13 24	5 7	20 36	0 59	25 45	2 17	23 48	2 6	10 10	1 2	1 46	2 46	24 16	0 30	4 8	2 0	35 30	13 53	9 46	9 33	8 56		n.a.
S 15	14 48	9 39	4 39	20 24	0 44	25 51	2 17	23 47	2 9	10 7	1 1	1 48	2 46	24 16	0 30	4 9	2 0	35 30	13 52	9 46	9 32	8 55		n.a.
S 16	15 8	5 19	3 53	20 8	0 28	25 55	2 17	23 47	2 12	10 4	1 1	1 49	2 46	24 16	0 30	4 9	2 0	35 29	13 52	9 46	9 31	8 53		n.a.
M17	15 27	0 41	2 53	19 49	0 11	25 59	2 17	23 46	2 14	10 2	1 1	1 50	2 46	24 16	0 30	4 10	2 0	35 29	13 52	9 47	9 30	8 51		n.a.
T 18	15 47	4s 1	1 42	19 25	0n 8	26 3	2 17	23 45	2 17	9 59	1 1	1 51	2 46	24 16	0 30	4 11	2 0	35 29	13 51	9 47	9 28	8 49		n.a.
W19	16 6	8 28	0 25	18 58	0 27	26 5	2 17	23 44	2 19	9 57	1 1	1 52	2 45	24 16	0 30	4 12	2 0	35 28	13 51	9 48	9 27	8 47		n.a.
T 20	16 24	12 23	0n52	18 27	0 47	26 7	2 16	23 43	2 22	9 54	1 0	1 53	2 45	24 16	0 30	4 12	2 0	35 28	13 51	9 48	9 26	8 45		n.a.
F 21	16 43	15 34	2 5	17 53	1 7	26 8	2 16	23 41	2 24	9 51	1 0	1 54	2 45	24 17	0 30	4 13	2 0	35 27	13 51	9 47	9 25	8 44		n.a.
S 22	17 1	17 48	3 10	17 16	1 27	26 8	2 15	23 40	2 27	9 49	1 0	1 55	2 45	24 17	0 30	4 14	2 0	35 27	13 50	9 46	9 24	8 42		n.a.
S 23	17 19	19 1	4 2	16 38	1 46	26 8	2 14	23 38	2 29	9 46	1 0	1 56	2 44	24 17	0 30	4 15	2 0	35 27	13 50	9 45	9 22	8 40		n.a.
M24	17 36	19 11	4 41	16 0	2 5	26 6	2 14	23 36	2 32	9 44	1 0	1 56	2 44	24 17	0 30	4 15	2 0	35 26	13 50	9 43	9 21	8 38		n.a.
T 25	17 53	18 23	5 5	15 22	2 21	26 4	2 13	23 33	2 34	9 42	0 59	1 57	2 44	24 17	0 30	4 16	2 0	35 26	13 50	9 42	9 20	8 36		n.a.
W26	18 10	16 44	5 14	14 45	2 36	26 1	2 12	23 31	2 36	9 39	0 59	1 58	2 43	24 17	0 30	4 17	2 0	35 25	13 49	9 41	9 19	8 34		n.a.
T 27	18 27	14 22	5 9	14 11	2 48	25 58	2 11	23 28	2 38	9 37	0 59	1 59	2 43	24 17	0 30	4 18	2 0	35 25	13 49	9 40	9 18	8 33		n.a.
F 28	18 43	11 26	4 50	13 40	2 59	25 54	2 9	23 25	2 40	9 35	0 59	1 59	2 43	24 17	0 30	4 18	2 0	35 24	13 49	9 39	9 16	8 31		n.a.
S 29	18 59	8 3	4 19	13 13	3 7	25 49	2 8	23 23	2 43	9 33	0 58	2 0	2 43	24 17	0 30	4 19	2 0	35 24	13 49	9 39	9 15	8 29		n.a.
S 30	19s14	4s21	3n38	12s50	3n12	25s43	2s 6	23n19	2n45	9n31	0s58	2s 0	2s42	24n17	0n30	4s20	2n 0	35s24	13s48	9s40	9s14	8s27		n.a.

Julian Day Number = 1117603.5, Delta T = 10h45m36s
Ecliptic obliquity = 23°53'07, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'42, Lahiri = -26°45'41 Julian Calendar 1 Nov. 1654 BCE == Greg. Calendar 18 Oct. 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1654 BCE
geocentric

DECEMBER 1654 BCE (-1653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 39 47	25♏28'02	22♓38	11°R45	9♉35	0°R 9	26°R24	1°R 8	5°R 3	15♎26	23♉21	24♎31	23♎18	28♒ 1	n.a.	M 1
T 2	3 43 44	26°29'16	4♈44	11♏ 7	10°45	29♉45	26♈18	1♈ 6	5♋ 1	15°27	23°22	24°33	23°14	28° 7	n.a.	T 2
W 3	3 47 41	27°30'29	17° 3	10°39	11°54	29°21	26°12	1° 4	4°59	15°29	23°23	24°34	23°11	28°14	n.a.	W 3
T 4	3 51 37	28°31'42	29°40	10°21	13° 2	28°57	26° 6	1° 3	4°57	15°31	23°24	24°R34	23° 8	28°21	n.a.	T 4
F 5	3 55 34	29°32'53	12♉36	10°12	14°11	28°33	26° 0	1° 1	4°55	15°33	23°25	24°33	23° 5	28°28	n.a.	F 5
S 6	3 59 30	0♐34'04	25°52	10°D12	15°20	28° 9	25°55	1° 0	4°53	15°35	23°27	24°30	23° 2	28°34	n.a.	S 6
S 7	4 3 27	1°35'14	9♊27	10°19	16°28	27°45	25°49	0°59	4°51	15°36	23°28	24°25	22°58	28°41	n.a.	S 7
M 8	4 7 23	2°36'23	23°18	10°35	17°36	27°21	25°44	0°58	4°49	15°38	23°29	24°18	22°55	28°48	n.a.	M 8
T 9	4 11 20	3°37'32	7♋21	10°57	18°44	26°57	25°39	0°57	4°47	15°40	23°30	24°12	22°52	28°54	n.a.	T 9
W10	4 15 17	4°38'40	21°33	11°25	19°52	26°34	25°34	0°56	4°45	15°41	23°31	24° 6	22°49	29° 1	n.a.	W10
T 11	4 19 13	5°39'47	5♌48	12° 0	20°59	26°11	25°29	0°55	4°43	15°43	23°32	24° 1	22°46	29° 8	n.a.	T 11
F 12	4 23 10	6°40'53	20° 2	12°39	22° 6	25°49	25°25	0°55	4°41	15°45	23°33	23°57	22°43	29°14	n.a.	F 12
S 13	4 27 6	7°41'58	4♍14	13°23	23°13	25°26	25°21	0°54	4°39	15°46	23°34	23°D56	22°39	29°21	n.a.	S 13
S 14	4 31 3	8°43'03	18°20	14°11	24°20	25° 5	25°16	0°54	4°36	15°48	23°36	23°56	22°36	29°28	n.a.	S 14
M15	4 34 59	9°44'07	2♎19	15° 3	25°27	24°43	25°12	0°53	4°34	15°49	23°37	23°58	22°33	29°35	n.a.	M15
T 16	4 38 56	10°45'10	16°12	15°59	26°33	24°22	25° 9	0°53	4°32	15°51	23°38	23°59	22°30	29°41	n.a.	T 16
W17	4 42 52	11°46'13	29°56	16°58	27°39	24° 2	25° 5	0°D53	4°29	15°52	23°39	23°R59	22°27	29°48	n.a.	W17
T 18	4 46 49	12°47'14	13♏32	17°59	28°45	23°42	25° 2	0°53	4°27	15°54	23°41	23°57	22°23	29°55	n.a.	T 18
F 19	4 50 46	13°48'14	26°58	19° 3	29°51	23°23	24°58	0°53	4°25	15°55	23°42	23°53	22°20	0♓ 1	n.a.	F 19
S 20	4 54 42	14°49'13	10♐11	20°10	0♒56	23° 4	24°55	0°54	4°22	15°56	23°43	23°46	22°17	0° 8	n.a.	S 20
S 21	4 58 39	15°50'11	23°12	21°19	2° 1	22°47	24°52	0°54	4°20	15°58	23°44	23°37	22°14	0°15	n.a.	S 21
M22	5 2 35	16°51'08	5♉58	22°29	3° 6	22°29	24°50	0°55	4°17	15°59	23°46	23°27	22°11	0°21	n.a.	M22
T 23	5 6 32	17°52'03	18°29	23°42	4°11	22°13	24°47	0°55	4°15	16° 0	23°47	23°17	22° 8	0°28	n.a.	T 23
W24	5 10 28	18°52'56	0♒47	24°56	5°15	21°57	24°45	0°56	4°12	16° 2	23°48	23° 7	22° 4	0°35	n.a.	W24
T 25	5 14 25	19°53'48	12°52	26°12	6°19	21°42	24°43	0°57	4°10	16° 3	23°50	22°58	22° 1	0°41	n.a.	T 25
F 26	5 18 21	20°54'38	24°48	27°29	7°22	21°27	24°41	0°58	4° 7	16° 4	23°51	22°52	21°58	0°48	n.a.	F 26
S 27	5 22 18	21°55'27	6♓38	28°47	8°26	21°14	24°40	0°59	4° 5	16° 5	23°53	22°49	21°55	0°55	n.a.	S 27
S 28	5 26 15	22°56'13	18°28	0♐ 7	9°29	21° 1	24°38	1° 0	4° 2	16° 7	23°54	22°D47	21°52	1° 2	n.a.	S 28
M29	5 30 11	23°56'58	0♈22	1°29	10°31	20°49	24°37	1° 2	4° 0	16° 8	23°55	22°47	21°49	1° 8	n.a.	M29
T 30	5 34 8	24°57'41	12°26	2°51	11°33	20°38	24°36	1° 3	3°57	16° 9	23°57	22°48	21°45	1°15	n.a.	T 30
W31	5 38 4	25♐58'22	24♈46	4♐14	12♒35	20♉28	24♈35	1♈ 5	3♋54	16♎10	23♉58	22°R48	21♎42	1♓22	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19s29	0s27	2n46	12s33	3n16	25s36	2s 5	23n16	2n47	9n28	0s58	2s 1	2s42	24n18	0n30	4s20	2n 0	35s23	13s48	9s40	9s13	8s25		n.a.
T 2	19 44	3n32	1 47	12 20	3 17	25 29	2 3	23 13	2 48	9 26	0 58	2 1	2 42	24 18	0 30	4 21	2 0	35 23	13 48	9 41	9 12	8 23		n.a.
W 3	19 58	7 27	0 41	12 11	3 17	25 21	2 1	23 9	2 50	9 24	0 57	2 2	2 41	24 18	0 30	4 22	2 0	35 22	13 48	9 42	9 10	8 21		n.a.
T 4	20 12	11 8	0s28	12 7	3 15	25 13	1 59	23 5	2 52	9 22	0 57	2 2	2 41	24 18	0 30	4 22	2 0	35 22	13 47	9 42	9 9	8 20		n.a.
F 5	20 26	14 22	1 37	12 8	3 11	25 3	1 57	23 1	2 54	9 21	0 57	2 2	2 41	24 18	0 30	4 23	2 0	35 22	13 47	9 41	9 8	8 18		n.a.
S 6	20 39	16 57	2 42	12 12	3 7	24 53	1 55	22 57	2 55	9 19	0 57	2 2	2 40	24 18	0 30	4 24	2 0	35 21	13 47	9 40	9 7	8 16		n.a.
S 7	20 52	18 39	3 40	12 20	3 1	24 43	1 52	22 53	2 57	9 17	0 56	2 3	2 40	24 18	0 30	4 24	2 0	35 21	13 47	9 38	9 6	8 14		n.a.
M 8	21 4	19 17	4 26	12 30	2 55	24 31	1 50	22 49	2 58	9 15	0 56	2 3	2 40	24 18	0 31	4 25	2 0	35 20	13 46	9 36	9 4	8 12		n.a.
T 9	21 16	18 44	4 57	12 44	2 48	24 19	1 47	22 45	3 0	9 14	0 56	2 3	2 40	24 18	0 31	4 26	2 0	35 20	13 46	9 33	9 3	8 10		n.a.
W10	21 28	17 2	5 9	13 0	2 40	24 7	1 45	22 41	3 1	9 12	0 56	2 3	2 39	24 18	0 31	4 26	2 1	35 19	13 46	9 31	9 2	8 9		n.a.
T 11	21 39	14 17	5 3	13 18	2 32	23 53	1 42	22 36	3 2	9 11	0 55	2 3	2 39	24 19	0 31	4 27	2 1	35 19	13 46	9 29	9 1	8 7		n.a.
F 12	21 50	10 40	4 38	13 38	2 24	23 39	1 39	22 32	3 3	9 9	0 55	2 3	2 39	24 19	0 31	4 27	2 1	35 18	13 45	9 28	9 0	8 5		n.a.
S 13	22 0	6 28	3 57	14 0	2 16	23 25	1 36	22 27	3 4	9 8	0 55	2 3	2 38	24 19	0 31	4 28	2 1	35 18	13 45	9 27	8 58	8 3		n.a.
S 14	22 10	1 56	3 1	14 23	2 7	23 10	1 32	22 23	3 5	9 7	0 55	2 3	2 38	24 19	0 31	4 29	2 1	35 18	13 45	9 27	8 57	8 1		n.a.
M15	22 19	2s41	1 54	14 47	1 58	22 54	1 29	22 18	3 6	9 5	0 54	2 3	2 38	24 19	0 31	4 29	2 1	35 17	13 45	9 28	8 56	7 59		n.a.
T 16	22 28	7 8	0 42	15 12	1 49	22 38	1 26	22 14	3 7	9 4	0 54	2 2	2 37	24 19	0 31	4 30	2 1	35 17	13 45	9 28	8 55	7 57		n.a.
W17	22 37	11 9	0n32	15 37	1 40	22 21	1 22	22 9	3 8	9 3	0 54	2 2	2 37	24 19	0 31	4 30	2 1	35 16	13 44	9 28	8 54	7 56		n.a.
T 18	22 45	14 33	1 43	16 4	1 31	22 4	1 18	22 5	3 8	9 2	0 53	2 2	2 37	24 19	0 31	4 31	2 1	35 16	13 44	9 28	8 52	7 54		n.a.
F 19	22 53	17 7	2 48	16 30	1 21	21 46	1 14	22 0	3 9	9 1	0 53	2 1	2 36	24 19	0 31	4 31	2 1	35 15	13 44	9 26	8 51	7 52		n.a.
S 20	23 0	18 44	3 42	16 57	1 12	21 28	1 10	21 56	3 9	9 0	0 53	2 1	2 36	24 19	0 31	4 32	2 1	35 15	13 44	9 23	8 50	7 50		n.a.
S 21	23 7	19 19	4 24	17 24	1 3	21 9	1 6	21 52	3 10	9 0	0 53	2 1	2 36	24 20	0 31	4 32	2 1	35 15	13 44	9 20	8 49	7 48		n.a.
M22	23 13	18 54	4 51	17 52	0 54	20 50	1 2	21 48	3 10	8 59	0 52	2 0	2 35	24 20	0 31	4 33	2 1	35 14	13 44	9 16	8 48	7 46		n.a.
T 23	23 19	17 33	5 4	18 19	0 46	20 30	0 58	21 43	3 10	8 58	0 52	1 59	2 35	24 20	0 31	4 33	2 1	35 14	13 43	9 12	8 46	7 44		n.a.
W24	23 25	15 26	5 3	18 46	0 37	20 10	0 53	21 39	3 11	8 58	0 52	1 59	2 35	24 20	0 31	4 34	2 1	35 13	13 43	9 9	8 45	7 42		n.a.
T 25	23 29	12 40	4 47	19 12	0 28	19 49	0 48	21 36	3 11	8 57	0 51	1 58	2 34	24 20	0 31	4 34	2 1	35 13	13 43	9 6	8 44	7 41		n.a.
F 26	23 34	9 25	4 20	19 39	0 20	19 28	0 44	21 32	3 11	8 57	0 51	1 58	2 34	24 20	0 31	4 34	2 1	35 13	13 43	9 3	8 43	7 39		n.a.
S 27	23 38	5 50	3 41	20 5	0 11	19 7	0 39	21 28	3 11	8 56	0 51	1 57	2 34	24 20	0 31	4 35	2 1	35 12	13 43	9 2	8 42	7 37		n.a.
S 28	23 42	2 0	2 53	20 30	0 3	18 45	0 34	21 25	3 11	8 56	0 51	1 56	2 34	24 20	0 31	4 35	2 1	35 12	13 43	9 1	8 40	7 35		n.a.
M29	23 45	1n56	1 57	20 55	0s 5	18 23	0 28	21 21	3 11	8 56	0 50	1 55	2 33	24 20	0 31	4 36	2 2	35 11	13 43	9 1	8 39	7 33		n.a.
T 30	23 47	5 51	0 55	21 19	0 13	18 1	0 23	21 18	3 11	8 56	0 50	1 54	2 33	24 20	0 31	4 36	2 2	35 11	13 42	9 2	8 38	7 31		n.a.
W31	23s49	9n36	0s10	21s43	0s20	17s38	0s18	21n15	3n11	8n56	0s50	1s53	2s33	24n21	0n31	4s36	2n 2	35s11	13s42	9s 2	8s37	7s29		n.a.

Julian Day Number = 1117633.5, Delta T = 10h45m34s
Ecliptic obliquity = 23°53'06, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'38, Lahiri = -26°45'37 Julian Calendar 1 Dec. 1654 BCE == Greg. Calendar 17 Nov. 1654 BCE

The year -1653 astronomical counting style corresponds to year 1654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

JANUARY 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 42 1	26♐59'01	7♉25	5♐39	13♒36	20°R18	24°R35	1♈ 6	3°R52	16♎11	24♑ 0	22°R47	21♎39	1♓28	n.a.	T 1
F 2	5 45 57	27°59'39	20°28	7° 5	14°37	20♉ 9	24♈34	1° 8	3♋49	16°12	24° 1	22♎44	21°36	1°35	n.a.	F 2
S 3	5 49 54	29° 0'14	3♊56	8°31	15°38	20° 1	24°34	1°10	3°47	16°13	24° 3	22°38	21°33	1°42	n.a.	S 3
S 4	5 53 50	0♑ 0'48	17°49	9°59	16°38	19°54	24°D34	1°12	3°44	16°14	24° 4	22°30	21°29	1°48	n.a.	S 4
M 5	5 57 47	1° 1'20	2♋ 4	11°28	17°37	19°47	24°34	1°14	3°41	16°15	24° 6	22°19	21°26	1°55	n.a.	M 5
T 6	6 1 44	2° 1'50	16°36	12°57	18°36	19°42	24°34	1°16	3°39	16°16	24° 7	22° 8	21°23	2° 2	n.a.	T 6
W 7	6 5 40	3° 2'19	1♌17	14°28	19°35	19°37	24°35	1°19	3°36	16°16	24° 9	21°58	21°20	2° 8	n.a.	W 7
T 8	6 9 37	4° 2'45	15°59	16° 0	20°33	19°33	24°36	1°21	3°33	16°17	24°10	21°48	21°17	2°15	n.a.	T 8
F 9	6 13 33	5° 3'10	0♍35	17°32	21°31	19°30	24°37	1°24	3°31	16°18	24°12	21°42	21°14	2°22	n.a.	F 9
S 10	6 17 30	6° 3'34	15° 1	19° 6	22°28	19°27	24°38	1°26	3°28	16°19	24°13	21°38	21°10	2°29	n.a.	S 10
S 11	6 21 26	7° 3'56	29°12	20°40	23°24	19°25	24°39	1°29	3°26	16°19	24°15	21°36	21° 7	2°35	n.a.	S 11
M12	6 25 23	8° 4'16	13♎ 7	22°15	24°20	19°24	24°41	1°32	3°23	16°20	24°16	21°D36	21° 4	2°42	n.a.	M12
T 13	6 29 20	9° 4'35	26°47	23°52	25°15	19°D24	24°43	1°35	3°20	16°21	24°18	21°R36	21° 1	2°49	n.a.	T 13
W14	6 33 16	10° 4'52	10♏14	25°29	26°10	19°25	24°45	1°38	3°18	16°21	24°19	21°35	20°58	2°55	n.a.	W14
T 15	6 37 13	11° 5'08	23°28	27° 8	27° 4	19°26	24°47	1°41	3°15	16°22	24°21	21°32	20°55	3° 2	n.a.	T 15
F 16	6 41 9	12° 5'21	6♐30	28°47	27°58	19°28	24°49	1°44	3°12	16°23	24°23	21°25	20°51	3° 9	n.a.	F 16
S 17	6 45 6	13° 5'33	19°21	0♑27	28°50	19°31	24°52	1°48	3°10	16°23	24°24	21°16	20°48	3°15	n.a.	S 17
S 18	6 49 2	14° 5'43	2♑ 2	2° 9	29°42	19°34	24°54	1°51	3° 7	16°24	24°26	21° 4	20°45	3°22	n.a.	S 18
M19	6 52 59	15° 5'51	14°32	3°51	0♓33	19°38	24°57	1°55	3° 5	16°24	24°27	20°50	20°42	3°29	n.a.	M19
T 20	6 56 55	16° 5'57	26°52	5°35	1°24	19°43	25° 0	1°58	3° 2	16°24	24°29	20°36	20°39	3°35	n.a.	T 20
W21	7 0 52	17° 6'01	9♒ 1	7°19	2°14	19°48	25° 4	2° 2	3° 0	16°25	24°30	20°22	20°35	3°42	n.a.	W21
T 22	7 4 48	18° 6'03	21° 2	9° 5	3° 2	19°54	25° 7	2° 6	2°57	16°25	24°32	20°10	20°32	3°49	n.a.	T 22
F 23	7 8 45	19° 6'02	2♓55	10°51	3°50	20° 1	25°11	2°10	2°55	16°26	24°34	20° 0	20°29	3°56	n.a.	F 23
S 24	7 12 42	20° 5'59	14°43	12°39	4°37	20° 8	25°15	2°14	2°52	16°26	24°35	19°54	20°26	4° 2	n.a.	S 24
S 25	7 16 38	21° 5'54	26°32	14°28	5°24	20°16	25°19	2°18	2°50	16°26	24°37	19°50	20°23	4° 9	n.a.	S 25
M26	7 20 35	22° 5'47	8♈24	16°18	6° 9	20°25	25°23	2°22	2°47	16°26	24°38	19°49	20°20	4°16	n.a.	M26
T 27	7 24 31	23° 5'37	20°25	18° 9	6°53	20°34	25°27	2°27	2°45	16°26	24°40	19°48	20°16	4°22	n.a.	T 27
W28	7 28 28	24° 5'24	2♉42	20° 1	7°36	20°44	25°32	2°31	2°42	16°27	24°42	19°48	20°13	4°29	n.a.	W28
T 29	7 32 24	25° 5'10	15°18	21°55	8°18	20°54	25°37	2°36	2°40	16°27	24°43	19°47	20°10	4°36	n.a.	T 29
F 30	7 36 21	26° 4'52	28°19	23°49	8°59	21° 5	25°42	2°40	2°38	16°27	24°45	19°44	20° 7	4°42	n.a.	F 30
S 31	7 40 17	27♑ 4'33	11♊48	25♑44	9♓38	21♉17	25♈47	2♈45	2♋35	16♎27	24♑47	19♎38	20♎ 4	4♓49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s51	13n 2	1s17	22s 6	0s28	17s15	0s12	21n12	3n10	8n56	0s50	1s52	2s32	24n21	0n31	4s37	2n 2	35s10	13s42	9s 1	8s35	7s28		n.a.
F 2	23 52	15 55	2 22	22 28	0 35	16 51	0 7	21 9	3 10	8 56	0 49	1 51	2 32	24 21	0 31	4 37	2 2	35 10	13 42	9 0	8 34	7 26		n.a.
S 3	23 53	18 3	3 20	22 49	0 42	16 28	0 1	21 7	3 10	8 56	0 49	1 50	2 32	24 21	0 31	4 37	2 2	35 9	13 42	8 58	8 33	7 24		n.a.
S 4	23 53	19 11	4 9	23 10	0 49	16 4	0n 5	21 5	3 9	8 56	0 49	1 49	2 31	24 21	0 31	4 38	2 2	35 9	13 42	8 55	8 32	7 22		n.a.
M 5	23 53	19 8	4 44	23 29	0 55	15 40	0 11	21 2	3 9	8 57	0 48	1 48	2 31	24 21	0 31	4 38	2 2	35 9	13 42	8 51	8 31	7 20		n.a.
T 6	23 52	17 52	5 1	23 47	1 1	15 15	0 17	21 0	3 9	8 57	0 48	1 47	2 31	24 21	0 31	4 38	2 2	35 8	13 42	8 47	8 29	7 18		n.a.
W 7	23 51	15 24	4 58	24 5	1 7	14 51	0 24	20 59	3 8	8 57	0 48	1 46	2 30	24 21	0 31	4 38	2 2	35 8	13 42	8 43	8 28	7 16		n.a.
T 8	23 49	11 57	4 36	24 21	1 13	14 26	0 30	20 57	3 8	8 58	0 48	1 44	2 30	24 21	0 31	4 39	2 2	35 7	13 41	8 39	8 27	7 14		n.a.
F 9	23 47	7 48	3 56	24 36	1 19	14 1	0 37	20 56	3 7	8 59	0 47	1 43	2 30	24 21	0 31	4 39	2 2	35 7	13 41	8 37	8 26	7 13		n.a.
S 10	23 45	3 14	3 1	24 49	1 24	13 36	0 43	20 54	3 7	8 59	0 47	1 42	2 29	24 21	0 31	4 39	2 2	35 7	13 41	8 35	8 25	7 11		n.a.
S 11	23 42	1s26	1 56	25 1	1 29	13 11	0 50	20 53	3 6	9 0	0 47	1 40	2 29	24 21	0 31	4 39	2 2	35 6	13 41	8 34	8 23	7 9		n.a.
M12	23 38	5 58	0 45	25 12	1 33	12 45	0 57	20 52	3 5	9 1	0 46	1 39	2 29	24 22	0 31	4 40	2 2	35 6	13 41	8 34	8 22	7 7		n.a.
T 13	23 34	10 5	0n27	25 22	1 38	12 20	1 4	20 52	3 5	9 2	0 46	1 37	2 29	24 22	0 31	4 40	2 3	35 6	13 41	8 34	8 21	7 5		n.a.
W14	23 30	13 38	1 37	25 30	1 42	11 55	1 11	20 51	3 4	9 3	0 46	1 36	2 28	24 22	0 31	4 40	2 3	35 5	13 41	8 34	8 20	7 3		n.a.
T 15	23 25	16 24	2 40	25 36	1 45	11 29	1 19	20 51	3 4	9 4	0 46	1 34	2 28	24 22	0 31	4 40	2 3	35 5	13 41	8 33	8 19	7 1		n.a.
F 16	23 19	18 17	3 34	25 41	1 49	11 4	1 26	20 51	3 3	9 5	0 45	1 33	2 28	24 22	0 31	4 40	2 3	35 4	13 41	8 30	8 17	7 0		n.a.
S 17	23 14	19 12	4 15	25 45	1 52	10 38	1 34	20 51	3 2	9 6	0 45	1 31	2 27	24 22	0 31	4 40	2 3	35 4	13 41	8 27	8 16	6 58		n.a.
S 18	23 7	19 8	4 44	25 46	1 54	10 12	1 41	20 51	3 1	9 8	0 45	1 29	2 27	24 22	0 31	4 41	2 3	35 4	13 41	8 22	8 15	6 56		n.a.
M19	23 1	18 8	4 58	25 46	1 56	9 47	1 49	20 52	3 1	9 9	0 45	1 28	2 27	24 22	0 31	4 41	2 3	35 3	13 41	8 17	8 14	6 54		n.a.
T 20	22 54	16 18	4 58	25 44	1 58	9 22	1 57	20 52	3 0	9 10	0 44	1 26	2 26	24 22	0 31	4 41	2 3	35 3	13 41	8 11	8 12	6 52		n.a.
W21	22 46	13 46	4 44	25 40	1 59	8 56	2 5	20 53	2 59	9 12	0 44	1 24	2 26	24 22	0 31	4 41	2 3	35 3	13 41	8 6	8 11	6 50		n.a.
T 22	22 38	10 41	4 18	25 34	2 0	8 31	2 13	20 54	2 58	9 13	0 44	1 22	2 26	24 22	0 31	4 41	2 3	35 2	13 41	8 1	8 10	6 48		n.a.
F 23	22 30	7 12	3 41	25 26	2 1	8 6	2 21	20 55	2 58	9 15	0 43	1 21	2 26	24 22	0 31	4 41	2 3	35 2	13 41	7 58	8 9	6 46		n.a.
S 24	22 21	3 27	2 54	25 17	2 1	7 41	2 30	20 56	2 57	9 17	0 43	1 19	2 25	24 22	0 31	4 41	2 3	35 2	13 41	7 55	8 8	6 45		n.a.
S 25	22 12	0n25	2 0	25 5	2 1	7 16	2 38	20 58	2 56	9 18	0 43	1 17	2 25	24 22	0 31	4 41	2 3	35 1	13 41	7 54	8 6	6 43		n.a.
M26	22 2	4 18	1 0	24 51	2 0	6 51	2 46	20 59	2 55	9 20	0 43	1 15	2 25	24 22	0 31	4 41	2 3	35 1	13 41	7 53	8 5	6 41		n.a.
T 27	21 52	8 4	0s 3	24 35	1 58	6 27	2 55	21 1	2 54	9 22	0 42	1 13	2 24	24 22	0 31	4 41	2 3	35 1	13 41	7 53	8 4	6 39		n.a.
W28	21 42	11 34	1 8	24 17	1 56	6 2	3 4	21 3	2 53	9 24	0 42	1 11	2 24	24 23	0 31	4 41	2 4	35 1	13 41	7 53	8 3	6 37		n.a.
T 29	21 31	14 39	2 11	23 56	1 54	5 38	3 13	21 5	2 53	9 26	0 42	1 9	2 24	24 23	0 31	4 41	2 4	35 0	13 41	7 53	8 1	6 35		n.a.
F 30	21 20	17 5	3 9	23 34	1 51	5 15	3 21	21 7	2 52	9 28	0 42	1 7	2 24	24 23	0 31	4 41	2 4	35 0	13 41	7 51	8 0	6 33		n.a.
S 31	21s 8	18n41	3s59	23s 9	1s47	4s51	3n30	21n10	2n51	9n30	0s41	1s 4	2s23	24n23	0n31	4s41	2n 4	35s 0	13s41	7s49	7s59	6s31		n.a.

Julian Day Number = 1117664.5, Delta T = 10h45m32s
Ecliptic obliquity = 23°53'06, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'33, Lahiri = -26°45'33 Julian Calendar 1 Jan. 1653 BCE == Greg. Calendar 18 Dec. 1654 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

FEBRUARY 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 44 14	28♉ 4'11	25♊47	27♉41	10♓17	21♉29	25♈52	2♈50	2°R33	16°R27	24♉48	19°R30	20♎ 1	4♓56	n.a.	S 1
M 2	7 48 11	29° 3'47	10♋13	29°38	10°54	21°42	25°57	2°55	2♋31	16♎27	24°50	19♎20	19°57	5° 2	n.a.	M 2
T 3	7 52 7	0♒ 3'20	25° 1	1♒36	11°30	21°55	26° 3	2°59	2°29	16°27	24°51	19° 8	19°54	5° 9	n.a.	T 3
W 4	7 56 4	1° 2'51	10♌ 3	3°35	12° 4	22° 8	26° 9	3° 4	2°26	16°27	24°53	18°57	19°51	5°16	n.a.	W 4
T 5	8 0 0	2° 2'20	25° 9	5°35	12°37	22°22	26°15	3°10	2°24	16°27	24°55	18°48	19°48	5°22	n.a.	T 5
F 6	8 3 57	3° 1'47	10♍ 9	7°35	13° 9	22°37	26°21	3°15	2°22	16°26	24°56	18°40	19°45	5°29	n.a.	F 6
S 7	8 7 53	4° 1'12	24°55	9°36	13°39	22°52	26°27	3°20	2°20	16°26	24°58	18°36	19°41	5°36	n.a.	S 7
S 8	8 11 50	5° 0'35	9♎22	11°36	14° 7	23° 7	26°33	3°25	2°18	16°26	24°59	18°34	19°38	5°42	n.a.	S 8
M 9	8 15 46	5°59'56	23°26	13°37	14°34	23°23	26°40	3°31	2°16	16°26	25° 1	18°D34	19°35	5°49	n.a.	M 9
T 10	8 19 43	6°59'15	7♏ 8	15°37	14°59	23°40	26°46	3°36	2°14	16°26	25° 2	18°R34	19°32	5°56	n.a.	T 10
W11	8 23 39	7°58'32	20°30	17°36	15°22	23°56	26°53	3°42	2°12	16°25	25° 4	18°34	19°29	6° 3	n.a.	W11
T 12	8 27 36	8°57'48	3♐34	19°35	15°44	24°14	27° 0	3°47	2°10	16°25	25° 6	18°31	19°26	6° 9	n.a.	T 12
F 13	8 31 33	9°57'01	16°22	21°32	16° 3	24°31	27° 7	3°53	2° 8	16°25	25° 7	18°26	19°22	6°16	n.a.	F 13
S 14	8 35 29	10°56'13	28°57	23°27	16°21	24°49	27°14	3°59	2° 6	16°24	25° 9	18°18	19°19	6°23	n.a.	S 14
S 15	8 39 26	11°55'22	11♑22	25°20	16°36	25° 8	27°22	4° 5	2° 4	16°24	25°10	18° 8	19°16	6°29	n.a.	S 15
M16	8 43 22	12°54'29	23°37	27°11	16°50	25°26	27°29	4°11	2° 2	16°23	25°12	17°56	19°13	6°36	n.a.	M16
T 17	8 47 19	13°53'35	5♒43	28°59	17° 1	25°46	27°37	4°16	2° 0	16°23	25°13	17°44	19°10	6°43	n.a.	T 17
W18	8 51 15	14°52'38	17°43	0♓43	17°10	26° 5	27°45	4°23	1°59	16°22	25°15	17°32	19° 7	6°49	n.a.	W18
T 19	8 55 12	15°51'38	29°37	2°24	17°17	26°25	27°53	4°29	1°57	16°22	25°16	17°22	19° 3	6°56	n.a.	T 19
F 20	8 59 8	16°50'37	11♓27	4° 0	17°22	26°45	28° 1	4°35	1°55	16°21	25°18	17°14	19° 0	7° 3	n.a.	F 20
S 21	9 3 5	17°49'33	23°15	5°32	17°R24	27° 6	28° 9	4°41	1°54	16°20	25°19	17° 8	18°57	7° 9	n.a.	S 21
S 22	9 7 1	18°48'27	5♈ 4	7° 0	17°24	27°27	28°17	4°47	1°52	16°20	25°21	17° 5	18°54	7°16	n.a.	S 22
M23	9 10 58	19°47'19	16°57	8°22	17°22	27°48	28°26	4°54	1°51	16°19	25°22	17°D 4	18°51	7°23	n.a.	M23
T 24	9 14 55	20°46'08	28°58	9°39	17°17	28°10	28°34	5° 0	1°49	16°18	25°24	17° 5	18°47	7°29	n.a.	T 24
W25	9 18 51	21°44'54	11♉13	10°50	17° 9	28°32	28°43	5° 7	1°48	16°18	25°25	17° 6	18°44	7°36	n.a.	W25
T 26	9 22 48	22°43'39	23°47	11°56	16°59	28°54	28°52	5°13	1°47	16°17	25°27	17°R 6	18°41	7°43	n.a.	T 26
F 27	9 26 44	23°42'21	6♊43	12°55	16°47	29°17	29° 1	5°20	1°45	16°16	25°28	17° 5	18°38	7°49	n.a.	F 27
S 28	9 30 41	24°41'00	20° 7	13°49	16°32	29°40	29°10	5°26	1°44	16°15	25°30	17° 3	18°35	7°56	n.a.	S 28
S 29	9 34 37	25♒39'38	4♋ 0	14♓36	16♓14	0♊ 3	29♈19	5♈33	1♋43	16♎14	25♉31	16♎58	18♎32	8♓ 3	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s56	19n13	4s36	22s42	1s43	4s28	3n39	21n12	2n50	9n32	0s41	1s 2	2s23	24n23	0n31	4s41	2n 4	34s59	13s41	7s46	7s58	6s29		n.a.
M 2	20 44	18 33	4 57	22 13	1 39	4 6	3 49	21 15	2 49	9 34	0 41	1 0	2 23	24 23	0 31	4 41	2 4	34 59	13 41	7 42	7 57	6 28		n.a.
T 3	20 31	16 37	4 59	21 41	1 33	3 44	3 58	21 17	2 48	9 37	0 41	0 58	2 23	24 23	0 31	4 41	2 4	34 59	13 41	7 38	7 55	6 26		n.a.
W 4	20 18	13 33	4 41	21 7	1 27	3 22	4 7	21 20	2 47	9 39	0 40	0 56	2 22	24 23	0 31	4 41	2 4	34 59	13 41	7 33	7 54	6 24		n.a.
T 5	20 4	9 34	4 3	20 32	1 21	3 0	4 16	21 23	2 47	9 41	0 40	0 53	2 22	24 23	0 31	4 41	2 4	34 58	13 41	7 30	7 53	6 22		n.a.
F 6	19 51	5 0	3 9	19 54	1 13	2 40	4 26	21 26	2 46	9 44	0 40	0 51	2 22	24 23	0 31	4 41	2 4	34 58	13 41	7 27	7 52	6 20		n.a.
S 7	19 37	0 12	2 2	19 14	1 6	2 19	4 35	21 29	2 45	9 46	0 40	0 49	2 22	24 23	0 31	4 40	2 4	34 58	13 41	7 25	7 50	6 18		n.a.
S 8	19 22	4s31	0 49	18 32	0 57	2 0	4 45	21 32	2 44	9 49	0 39	0 46	2 21	24 23	0 31	4 40	2 4	34 58	13 41	7 25	7 49	6 16		n.a.
M 9	19 7	8 52	0n26	17 49	0 48	1 41	4 54	21 36	2 43	9 52	0 39	0 44	2 21	24 23	0 31	4 40	2 4	34 57	13 42	7 25	7 48	6 14		n.a.
T 10	18 52	12 38	1 37	17 4	0 38	1 22	5 3	21 39	2 42	9 54	0 39	0 41	2 21	24 23	0 31	4 40	2 4	34 57	13 42	7 25	7 47	6 13		n.a.
W11	18 37	15 37	2 41	16 18	0 28	1 4	5 13	21 43	2 41	9 57	0 39	0 39	2 21	24 23	0 31	4 40	2 4	34 57	13 42	7 24	7 46	6 11		n.a.
T 12	18 21	17 44	3 35	15 30	0 18	0 47	5 22	21 46	2 41	10 0	0 39	0 36	2 20	24 23	0 31	4 40	2 5	34 57	13 42	7 23	7 44	6 9		n.a.
F 13	18 5	18 55	4 17	14 42	0 6	0 31	5 32	21 50	2 40	10 3	0 38	0 34	2 20	24 23	0 31	4 39	2 5	34 56	13 42	7 21	7 43	6 7		n.a.
S 14	17 49	19 7	4 46	13 52	0n 5	0 16	5 41	21 53	2 39	10 5	0 38	0 31	2 20	24 23	0 31	4 39	2 5	34 56	13 42	7 18	7 42	6 5		n.a.
S 15	17 32	18 24	5 0	13 3	0 17	0 1	5 50	21 57	2 38	10 8	0 38	0 29	2 20	24 23	0 31	4 39	2 5	34 56	13 42	7 14	7 41	6 3		n.a.
M16	17 15	16 50	5 1	12 13	0 29	0n13	6 0	22 1	2 37	10 11	0 38	0 26	2 20	24 23	0 31	4 39	2 5	34 56	13 42	7 10	7 39	6 1		n.a.
T 17	16 58	14 32	4 48	11 24	0 42	0 26	6 9	22 5	2 36	10 14	0 37	0 24	2 19	24 23	0 31	4 38	2 5	34 56	13 42	7 5	7 38	5 59		n.a.
W18	16 40	11 39	4 22	10 35	0 54	0 37	6 18	22 9	2 35	10 17	0 37	0 21	2 19	24 23	0 31	4 38	2 5	34 55	13 43	7 0	7 37	5 57		n.a.
T 19	16 23	8 18	3 45	9 47	1 7	0 48	6 26	22 13	2 35	10 20	0 37	0 18	2 19	24 23	0 31	4 38	2 5	34 55	13 43	6 56	7 36	5 56		n.a.
F 20	16 5	4 39	2 58	9 0	1 19	0 58	6 35	22 17	2 34	10 24	0 37	0 16	2 19	24 23	0 31	4 38	2 5	34 55	13 43	6 53	7 35	5 54		n.a.
S 21	15 46	0 50	2 4	8 14	1 32	1 6	6 43	22 21	2 33	10 27	0 37	0 13	2 18	24 23	0 31	4 37	2 5	34 55	13 43	6 51	7 33	5 52		n.a.
S 22	15 28	3n 1	1 4	7 30	1 44	1 14	6 51	22 25	2 32	10 30	0 36	0 10	2 18	24 23	0 31	4 37	2 5	34 55	13 43	6 50	7 32	5 50		n.a.
M23	15 9	6 47	0 1	6 48	1 56	1 20	6 59	22 29	2 31	10 33	0 36	0 8	2 18	24 23	0 31	4 37	2 5	34 55	13 43	6 50	7 31	5 48		n.a.
T 24	14 50	10 19	1s 4	6 8	2 8	1 25	7 7	22 34	2 30	10 37	0 36	0 5	2 18	24 23	0 31	4 36	2 5	34 55	13 44	6 50	7 30	5 46		n.a.
W25	14 31	13 29	2 6	5 30	2 19	1 29	7 14	22 38	2 30	10 40	0 36	0 2	2 18	24 23	0 31	4 36	2 5	34 54	13 44	6 50	7 28	5 44		n.a.
T 26	14 12	16 6	3 4	4 56	2 29	1 31	7 21	22 42	2 29	10 43	0 35	0n 1	2 17	24 23	0 31	4 36	2 5	34 54	13 44	6 50	7 27	5 42		n.a.
F 27	13 52	17 59	3 55	4 23	2 39	1 32	7 27	22 46	2 28	10 47	0 35	0 4	2 17	24 23	0 31	4 35	2 5	34 54	13 44	6 50	7 26	5 40		n.a.
S 28	13 32	18 57	4 34	3 54	2 48	1 31	7 33	22 51	2 27	10 50	0 35	0 7	2 17	24 23	0 31	4 35	2 5	34 54	13 44	6 49	7 25	5 38		n.a.
S 29	13s12	18n50	5s 0	3s28	2n56	1n29	7n38	22n55	2n26	10n54	0s35	0n 9	2s17	24n23	0n31	4s35	2n 6	34s54	13s44	6s47	7s24	5s37		n.a.

Julian Day Number = 1117695.5, Delta T = 10h45m31s
Ecliptic obliquity = 23°53'06, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'29, Lahiri = -26°45'29 Julian Calendar 1 Feb. 1653 BCE == Greg. Calendar 18 Jan. 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

MARCH 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 38 34	26♒38'13	18♋22	15♓17	15°R54	0♊26	29♈29	5♈40	1°R42	16°R13	25♑33	16°R51	18♎28	8♓ 9	n.a.	M 1
T 2	9 42 30	27°36'45	3♌10	15°52	15♓32	0°50	29°38	5°46	1♋40	16♎13	25°34	16♎44	18°25	8°16	n.a.	T 2
W 3	9 46 27	28°35'15	18°17	16°21	15° 8	1°14	29°47	5°53	1°39	16°12	25°35	16°37	18°22	8°23	n.a.	W 3
T 4	9 50 23	29°33'44	3♍33	16°43	14°41	1°38	29°57	6° 0	1°38	16°11	25°37	16°30	18°19	8°30	n.a.	T 4
F 5	9 54 20	0♓32'10	18°47	16°58	14°13	2° 3	0♉ 7	6° 7	1°37	16°10	25°38	16°26	18°16	8°36	n.a.	F 5
S 6	9 58 17	1°30'34	3♎49	17° 8	13°42	2°28	0°17	6°14	1°36	16° 9	25°39	16°23	18°12	8°43	n.a.	S 6
S 7	10 2 13	2°28'56	18°32	17°R11	13°10	2°53	0°27	6°21	1°35	16° 8	25°41	16°D23	18° 9	8°50	n.a.	S 7
M 8	10 6 10	3°27'17	2♏51	17° 8	12°36	3°18	0°37	6°28	1°35	16° 7	25°42	16°23	18° 6	8°56	n.a.	M 8
T 9	10 10 6	4°25'36	16°44	17° 0	12° 1	3°43	0°47	6°35	1°34	16° 5	25°43	16°25	18° 3	9° 3	n.a.	T 9
W10	10 14 3	5°23'53	0♐11	16°46	11°25	4° 9	0°57	6°42	1°33	16° 4	25°45	16°R26	18° 0	9°10	n.a.	W10
T 11	10 17 59	6°22'08	13°16	16°27	10°48	4°35	1° 7	6°50	1°32	16° 3	25°46	16°25	17°57	9°16	n.a.	T 11
F 12	10 21 56	7°20'22	26° 0	16° 3	10°11	5° 1	1°18	6°57	1°32	16° 2	25°47	16°24	17°53	9°23	n.a.	F 12
S 13	10 25 52	8°18'35	8♑28	15°35	9°33	5°28	1°28	7° 4	1°31	16° 1	25°49	16°20	17°50	9°30	n.a.	S 13
S 14	10 29 49	9°16'45	20°43	15° 4	8°54	5°54	1°39	7°11	1°31	16° 0	25°50	16°15	17°47	9°36	n.a.	S 14
M15	10 33 45	10°14'54	2♒48	14°30	8°16	6°21	1°50	7°19	1°30	15°58	25°51	16° 9	17°44	9°43	n.a.	M15
T 16	10 37 42	11°13'01	14°46	13°53	7°39	6°48	2° 0	7°26	1°30	15°57	25°52	16° 3	17°41	9°50	n.a.	T 16
W17	10 41 39	12°11'07	26°38	13°15	7° 1	7°15	2°11	7°34	1°29	15°56	25°53	15°57	17°38	9°56	n.a.	W17
T 18	10 45 35	13° 9'10	8♓28	12°35	6°25	7°43	2°22	7°41	1°29	15°55	25°55	15°51	17°34	10° 3	n.a.	T 18
F 19	10 49 32	14° 7'12	20°16	11°56	5°50	8°11	2°33	7°48	1°29	15°53	25°56	15°47	17°31	10°10	n.a.	F 19
S 20	10 53 28	15° 5'12	2♈ 6	11°17	5°16	8°38	2°44	7°56	1°29	15°52	25°57	15°45	17°28	10°16	n.a.	S 20
S 21	10 57 25	16° 3'10	13°59	10°39	4°43	9° 6	2°56	8° 4	1°28	15°51	25°58	15°D44	17°25	10°23	n.a.	S 21
M22	11 1 21	17° 1'06	25°57	10° 3	4°12	9°35	3° 7	8°11	1°28	15°49	25°59	15°44	17°22	10°30	n.a.	M22
T 23	11 5 18	17°59'01	8♉ 4	9°29	3°43	10° 3	3°18	8°19	1°D28	15°48	26° 0	15°46	17°18	10°36	n.a.	T 23
W24	11 9 14	18°56'53	20°24	8°58	3°15	10°32	3°30	8°26	1°28	15°47	26° 1	15°47	17°15	10°43	n.a.	W24
T 25	11 13 11	19°54'44	3♊ 0	8°30	2°50	11° 0	3°41	8°34	1°28	15°45	26° 2	15°49	17°12	10°50	n.a.	T 25
F 26	11 17 7	20°52'33	15°56	8° 6	2°27	11°29	3°53	8°42	1°28	15°44	26° 3	15°R50	17° 9	10°56	n.a.	F 26
S 27	11 21 4	21°50'20	29°15	7°46	2° 6	11°58	4° 5	8°49	1°29	15°42	26° 4	15°50	17° 6	11° 3	n.a.	S 27
S 28	11 25 1	22°48'05	12♋59	7°31	1°47	12°28	4°16	8°57	1°29	15°41	26° 5	15°49	17° 3	11°10	n.a.	S 28
M29	11 28 57	23°45'48	27°10	7°20	1°31	12°57	4°28	9° 5	1°29	15°39	26° 6	15°47	16°59	11°16	n.a.	M29
T 30	11 32 54	24°43'29	11♌46	7°13	1°17	13°27	4°40	9°13	1°29	15°38	26° 7	15°44	16°56	11°23	n.a.	T 30
W31	11 36 50	25♓41'09	26♌41	7°D11	1♓ 6	13♊56	4♉52	9♈20	1♋30	15♎36	26♑ 8	15♎41	16♎53	11♓30	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	12s52	17n31	5s 7	3s 5	3n 3	1n26	7n43	22n59	2n25	10n57	0s35	0n12	2s17	24n23	0n31	4s34	2n 6	34s54	13s45	6s45	7s22	5s35			n.a.
T 2	12 32	15 2	4 55	2 46	3 10	1 21	7 47	23 4	2 25	11 1	0 34	0 15	2 17	24 23	0 31	4 34	2 6	34 54	13 45	6 42	7 21	5 33			n.a.
W 3	12 11	11 29	4 22	2 30	3 15	1 15	7 50	23 8	2 24	11 4	0 34	0 18	2 16	24 23	0 31	4 33	2 6	34 54	13 45	6 39	7 20	5 31			n.a.
T 4	11 50	7 8	3 30	2 17	3 19	1 7	7 53	23 12	2 23	11 8	0 34	0 21	2 16	24 23	0 31	4 33	2 6	34 54	13 45	6 36	7 19	5 29			n.a.
F 5	11 29	2 19	2 24	2 8	3 22	0 58	7 55	23 17	2 22	11 12	0 34	0 24	2 16	24 23	0 31	4 32	2 6	34 53	13 45	6 34	7 17	5 27			n.a.
S 6	11 8	2s34	1 8	2 3	3 24	0 47	7 56	23 21	2 21	11 15	0 34	0 27	2 16	24 23	0 31	4 32	2 6	34 53	13 46	6 34	7 16	5 25			n.a.
S 7	10 47	7 13	0n12	2 1	3 25	0 35	7 57	23 25	2 21	11 19	0 33	0 30	2 16	24 23	0 31	4 32	2 6	34 53	13 46	6 33	7 15	5 23			n.a.
M 8	10 26	11 19	1 28	2 3	3 24	0 22	7 56	23 30	2 20	11 23	0 33	0 33	2 16	24 23	0 31	4 31	2 6	34 53	13 46	6 34	7 14	5 21			n.a.
T 9	10 4	14 38	2 37	2 9	3 21	0 8	7 55	23 34	2 19	11 27	0 33	0 36	2 15	24 23	0 31	4 31	2 6	34 53	13 46	6 34	7 12	5 20			n.a.
W10	9 42	17 4	3 35	2 18	3 18	0s 8	7 53	23 38	2 18	11 30	0 33	0 39	2 15	24 23	0 31	4 30	2 6	34 53	13 47	6 34	7 11	5 18			n.a.
T 11	9 20	18 30	4 20	2 30	3 12	0 25	7 50	23 42	2 18	11 34	0 33	0 42	2 15	24 23	0 31	4 30	2 6	34 53	13 47	6 34	7 10	5 16			n.a.
F 12	8 58	18 58	4 51	2 45	3 6	0 43	7 46	23 46	2 17	11 38	0 33	0 45	2 15	24 23	0 31	4 29	2 6	34 53	13 47	6 34	7 9	5 14			n.a.
S 13	8 36	18 29	5 8	3 4	2 58	1 1	7 41	23 50	2 16	11 42	0 32	0 48	2 15	24 23	0 31	4 29	2 6	34 53	13 47	6 32	7 7	5 12			n.a.
S 14	8 14	17 9	5 10	3 25	2 48	1 21	7 36	23 55	2 15	11 46	0 32	0 51	2 15	24 23	0 31	4 28	2 6	34 53	13 48	6 31	7 6	5 10			n.a.
M15	7 52	15 4	4 58	3 48	2 37	1 41	7 29	23 59	2 14	11 50	0 32	0 54	2 14	24 23	0 31	4 28	2 6	34 53	13 48	6 28	7 5	5 8			n.a.
T 16	7 29	12 22	4 33	4 13	2 26	2 2	7 22	24 3	2 14	11 54	0 32	0 57	2 14	24 23	0 31	4 27	2 6	34 53	13 48	6 26	7 4	5 6			n.a.
W17	7 7	9 10	3 56	4 40	2 12	2 23	7 14	24 7	2 13	11 58	0 32	1 0	2 14	24 23	0 31	4 27	2 6	34 53	13 48	6 23	7 3	5 4			n.a.
T 18	6 44	5 37	3 10	5 8	1 58	2 45	7 5	24 11	2 12	12 2	0 31	1 3	2 14	24 23	0 31	4 26	2 6	34 53	13 49	6 21	7 1	5 2			n.a.
F 19	6 22	1 52	2 15	5 37	1 44	3 7	6 56	24 14	2 11	12 6	0 31	1 6	2 14	24 23	0 31	4 26	2 6	34 53	13 49	6 20	7 0	5 1			n.a.
S 20	5 59	1n59	1 14	6 7	1 28	3 28	6 46	24 18	2 11	12 10	0 31	1 10	2 14	24 23	0 31	4 25	2 6	34 53	13 49	6 19	6 59	4 59			n.a.
S 21	5 36	5 46	0 10	6 36	1 12	3 50	6 35	24 22	2 10	12 14	0 31	1 13	2 14	24 23	0 30	4 24	2 6	34 53	13 49	6 18	6 58	4 57			n.a.
M22	5 13	9 20	0s56	7 5	0 56	4 12	6 24	24 26	2 9	12 18	0 31	1 16	2 14	24 23	0 30	4 24	2 6	34 53	13 50	6 18	6 56	4 55			n.a.
T 23	4 50	12 34	2 0	7 34	0 39	4 33	6 12	24 29	2 8	12 22	0 31	1 19	2 14	24 23	0 30	4 23	2 7	34 53	13 50	6 19	6 55	4 53			n.a.
W24	4 27	15 18	2 59	8 1	0 22	4 55	6 0	24 33	2 8	12 26	0 30	1 22	2 13	24 23	0 30	4 23	2 7	34 53	13 50	6 20	6 54	4 51			n.a.
T 25	4 4	17 22	3 51	8 26	0 6	5 15	5 48	24 36	2 7	12 30	0 30	1 25	2 13	24 23	0 30	4 22	2 7	34 53	13 51	6 20	6 53	4 49			n.a.
F 26	3 41	18 36	4 33	8 51	0s10	5 35	5 35	24 40	2 6	12 34	0 30	1 28	2 13	24 23	0 30	4 22	2 7	34 53	13 51	6 20	6 51	4 47			n.a.
S 27	3 18	18 51	5 2	9 13	0 26	5 55	5 22	24 43	2 5	12 39	0 30	1 32	2 13	24 23	0 30	4 21	2 7	34 54	13 51	6 20	6 50	4 45			n.a.
S 28	2 55	18 1	5 15	9 33	0 41	6 14	5 9	24 46	2 5	12 43	0 30	1 35	2 13	24 23	0 30	4 20	2 7	34 54	13 51	6 20	6 49	4 43			n.a.
M29	2 31	16 4	5 9	9 51	0 56	6 32	4 56	24 49	2 4	12 47	0 30	1 38	2 13	24 23	0 30	4 20	2 7	34 54	13 52	6 19	6 48	4 42			n.a.
T 30	2 8	13 3	4 43	10 6	1 10	6 49	4 42	24 53	2 3	12 51	0 29	1 41	2 13	24 23	0 30	4 19	2 7	34 54	13 52	6 18	6 46	4 40			n.a.
W31	1s45	9n 7	3s58	10s19	1s24	7s 6	4n29	24n56	2n 3	12n55	0s29	1n44	2s13	24n23	0n30	4s19	2n 7	34s54	13s52	6s17	6s45	4s38			n.a.

Julian Day Number = 1117724.5, Delta T = 10h45m29s
Ecliptic obliquity = 23°53'06, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'25, Lahiri = -26°45'25 Julian Calendar 1 March 1653 BCE == Greg. Calendar 16 Feb. 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

APRIL 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 40 47	26♓38'47	11♍49	7♓14	0°R57	14♊26	5♉ 4	9♈28	1♋30	15°R35	26♑ 9	15°R39	16♎50	11♓36	n.a.	T 1
F 2	11 44 43	27°36'23	27° 1	7°21	0♓50	14°56	5°16	9°36	1°31	15♎33	26°10	15♎38	16°47	11°43	n.a.	F 2
S 3	11 48 40	28°33'58	12♎ 6	7°33	0°46	15°27	5°28	9°44	1°31	15°32	26°11	15°D37	16°44	11°50	n.a.	S 3
S 4	11 52 36	29°31'31	26°57	7°49	0°D44	15°57	5°40	9°51	1°32	15°30	26°12	15°37	16°40	11°56	n.a.	S 4
M 5	11 56 33	0♈29'03	11♏26	8°10	0°45	16°27	5°52	9°59	1°33	15°29	26°13	15°38	16°37	12° 3	n.a.	M 5
T 6	12 0 30	1°26'34	25°29	8°35	0°48	16°58	6° 5	10° 7	1°33	15°27	26°13	15°39	16°34	12°10	n.a.	T 6
W 7	12 4 26	2°24'04	9♐ 6	9° 5	0°53	17°29	6°17	10°15	1°34	15°26	26°14	15°40	16°31	12°16	n.a.	W 7
T 8	12 8 23	3°21'34	22°16	9°38	1° 1	18° 0	6°29	10°23	1°35	15°24	26°15	15°41	16°28	12°23	n.a.	T 8
F 9	12 12 19	4°19'02	5♑ 4	10°16	1°10	18°31	6°42	10°31	1°36	15°23	26°16	15°R41	16°24	12°30	n.a.	F 9
S 10	12 16 16	5°16'29	17°32	10°57	1°22	19° 2	6°54	10°39	1°37	15°21	26°16	15°41	16°21	12°36	n.a.	S 10
S 11	12 20 12	6°13'55	29°44	11°42	1°36	19°33	7° 7	10°47	1°37	15°19	26°17	15°40	16°18	12°43	n.a.	S 11
M12	12 24 9	7°11'20	11♒45	12°31	1°52	20° 4	7°20	10°55	1°39	15°18	26°18	15°39	16°15	12°50	n.a.	M12
T 13	12 28 5	8° 8'44	23°38	13°23	2°10	20°36	7°32	11° 2	1°40	15°16	26°19	15°38	16°12	12°56	n.a.	T 13
W14	12 32 2	9° 6'07	5♓27	14°19	2°29	21° 8	7°45	11°10	1°41	15°15	26°19	15°37	16° 9	13° 3	n.a.	W14
T 15	12 35 59	10° 3'30	17°15	15°18	2°50	21°39	7°58	11°18	1°42	15°13	26°20	15°36	16° 5	13°10	n.a.	T 15
F 16	12 39 55	11° 0'51	29° 6	16°20	3°14	22°11	8°10	11°26	1°43	15°11	26°20	15°36	16° 2	13°16	n.a.	F 16
S 17	12 43 52	11°58'11	11♈ 0	17°26	3°38	22°43	8°23	11°34	1°44	15°10	26°21	15°D36	15°59	13°23	n.a.	S 17
S 18	12 47 48	12°55'30	23° 1	18°34	4° 5	23°16	8°36	11°42	1°46	15° 8	26°22	15°36	15°56	13°30	n.a.	S 18
M19	12 51 45	13°52'49	5♉10	19°46	4°33	23°48	8°49	11°50	1°47	15° 7	26°22	15°36	15°53	13°36	n.a.	M19
T 20	12 55 41	14°50'06	17°30	21° 0	5° 2	24°20	9° 2	11°58	1°48	15° 5	26°23	15°36	15°49	13°43	n.a.	T 20
W21	12 59 38	15°47'22	0♊ 2	22°17	5°33	24°53	9°15	12° 6	1°50	15° 3	26°23	15°R36	15°46	13°50	n.a.	W21
T 22	13 3 34	16°44'37	12°48	23°37	6° 5	25°25	9°28	12°14	1°51	15° 2	26°24	15°36	15°43	13°56	n.a.	T 22
F 23	13 7 31	17°41'51	25°51	25° 0	6°39	25°58	9°41	12°22	1°53	15° 0	26°24	15°36	15°40	14° 3	n.a.	F 23
S 24	13 11 28	18°39'04	9♋12	26°26	7°13	26°31	9°54	12°30	1°55	14°58	26°24	15°36	15°37	14°10	n.a.	S 24
S 25	13 15 24	19°36'16	22°52	27°55	7°49	27° 4	10° 7	12°37	1°56	14°57	26°25	15°D36	15°34	14°16	n.a.	S 25
M26	13 19 21	20°33'27	6♌53	29°26	8°27	27°37	10°20	12°45	1°58	14°55	26°25	15°36	15°30	14°23	n.a.	M26
T 27	13 23 17	21°30'37	21°13	1♈ 0	9° 5	28°10	10°34	12°53	2° 0	14°54	26°26	15°36	15°27	14°30	n.a.	T 27
W28	13 27 14	22°27'46	5♍50	2°36	9°44	28°43	10°47	13° 1	2° 2	14°52	26°26	15°37	15°24	14°36	n.a.	W28
T 29	13 31 10	23°24'54	20°38	4°16	10°25	29°17	11° 0	13° 9	2° 3	14°50	26°26	15°37	15°21	14°43	n.a.	T 29
F 30	13 35 7	24♈22'01	5♎33	5♈57	11♓ 6	29♊50	11♉13	13♈17	2♋ 5	14♎49	26♑26	15♎38	15♎18	14♓50	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s21	4n33	2s56	10s30	1s36	7s22	4n16	24n58	2n 2	13n 0	0s29	1n48	2s13	24n23	0n30	4s18	2n 7	34s54	13s53	6s16	6s44	4s36		n.a.
F 2	0 58	0s20	1 41	10 38	1 48	7 36	4 2	25 1	2 1	13 4	0 29	1 51	2 13	24 23	0 30	4 17	2 7	34 54	13 53	6 16	6 43	4 34		n.a.
S 3	0 35	5 10	0 19	10 44	1 59	7 50	3 49	25 4	2 0	13 8	0 29	1 54	2 12	24 23	0 30	4 17	2 7	34 54	13 53	6 15	6 41	4 32		n.a.
S 4	0 12	9 36	1n 2	10 47	2 9	8 3	3 36	25 7	2 0	13 12	0 29	1 57	2 12	24 23	0 30	4 16	2 7	34 54	13 54	6 16	6 40	4 30		n.a.
M 5	0n12	13 21	2 18	10 47	2 18	8 15	3 23	25 9	1 59	13 17	0 29	2 0	2 12	24 23	0 30	4 16	2 7	34 55	13 54	6 16	6 39	4 28		n.a.
T 6	0 35	16 12	3 23	10 46	2 27	8 26	3 10	25 12	1 58	13 21	0 28	2 4	2 12	24 23	0 30	4 15	2 7	34 55	13 54	6 16	6 38	4 26		n.a.
W 7	0 58	18 2	4 15	10 41	2 34	8 36	2 57	25 14	1 58	13 25	0 28	2 7	2 12	24 23	0 30	4 14	2 7	34 55	13 55	6 17	6 37	4 24		n.a.
T 8	1 22	18 49	4 51	10 34	2 41	8 45	2 45	25 16	1 57	13 30	0 28	2 10	2 12	24 23	0 30	4 14	2 7	34 55	13 55	6 17	6 35	4 23		n.a.
F 9	1 45	18 36	5 12	10 25	2 47	8 53	2 33	25 18	1 56	13 34	0 28	2 13	2 12	24 23	0 30	4 13	2 7	34 55	13 55	6 17	6 34	4 21		n.a.
S 10	2 8	17 28	5 17	10 14	2 52	9 0	2 21	25 20	1 56	13 38	0 28	2 16	2 12	24 23	0 30	4 12	2 7	34 55	13 56	6 17	6 33	4 19		n.a.
S 11	2 31	15 34	5 8	10 0	2 56	9 6	2 9	25 22	1 55	13 42	0 28	2 19	2 12	24 23	0 30	4 12	2 7	34 55	13 56	6 17	6 32	4 17		n.a.
M12	2 54	13 1	4 45	9 44	2 59	9 11	1 57	25 24	1 54	13 47	0 28	2 23	2 12	24 23	0 30	4 11	2 7	34 56	13 56	6 16	6 30	4 15		n.a.
T 13	3 17	9 58	4 10	9 26	3 2	9 16	1 46	25 26	1 53	13 51	0 27	2 26	2 12	24 23	0 30	4 11	2 7	34 56	13 57	6 16	6 29	4 13		n.a.
W14	3 40	6 31	3 25	9 6	3 3	9 19	1 35	25 27	1 53	13 55	0 27	2 29	2 12	24 22	0 30	4 10	2 7	34 56	13 57	6 15	6 28	4 11		n.a.
T 15	4 3	2 49	2 31	8 43	3 4	9 21	1 24	25 29	1 52	14 0	0 27	2 32	2 12	24 22	0 30	4 9	2 7	34 56	13 57	6 15	6 27	4 9		n.a.
F 16	4 26	1n 1	1 30	8 19	3 5	9 22	1 13	25 30	1 51	14 4	0 27	2 35	2 12	24 22	0 30	4 9	2 7	34 56	13 58	6 15	6 25	4 7		n.a.
S 17	4 49	4 49	0 26	7 52	3 4	9 23	1 3	25 31	1 51	14 8	0 27	2 39	2 12	24 22	0 30	4 8	2 7	34 57	13 58	6 15	6 24	4 5		n.a.
S 18	5 12	8 28	0s41	7 24	3 3	9 23	0 53	25 32	1 50	14 13	0 27	2 42	2 12	24 22	0 30	4 7	2 7	34 57	13 58	6 15	6 23	4 4		n.a.
M19	5 34	11 49	1 47	6 54	3 1	9 21	0 43	25 33	1 49	14 17	0 27	2 45	2 12	24 22	0 30	4 7	2 7	34 57	13 59	6 15	6 22	4 2		n.a.
T 20	5 57	14 41	2 48	6 21	2 58	9 19	0 34	25 34	1 49	14 21	0 26	2 48	2 12	24 22	0 30	4 6	2 7	34 57	13 59	6 15	6 20	4 0		n.a.
W21	6 20	16 54	3 43	5 47	2 55	9 16	0 24	25 35	1 48	14 26	0 26	2 51	2 12	24 22	0 30	4 5	2 7	34 58	13 59	6 15	6 19	3 58		n.a.
T 22	6 42	18 20	4 27	5 11	2 51	9 13	0 15	25 35	1 47	14 30	0 26	2 54	2 12	24 22	0 30	4 5	2 7	34 58	14 0	6 15	6 18	3 56		n.a.
F 23	7 4	18 50	4 59	4 34	2 47	9 8	0 7	25 36	1 47	14 34	0 26	2 58	2 12	24 22	0 30	4 4	2 7	34 58	14 0	6 15	6 17	3 54		n.a.
S 24	7 26	18 19	5 16	3 54	2 42	9 3	0s 2	25 36	1 46	14 39	0 26	3 1	2 12	24 22	0 30	4 4	2 7	34 58	14 0	6 15	6 15	3 52		n.a.
S 25	7 48	16 44	5 15	3 13	2 36	8 57	0 10	25 36	1 45	14 43	0 26	3 4	2 12	24 22	0 30	4 3	2 7	34 59	14 1	6 15	6 14	3 50		n.a.
M26	8 10	14 7	4 56	2 31	2 30	8 50	0 18	25 36	1 45	14 47	0 26	3 7	2 12	24 22	0 30	4 2	2 7	34 59	14 1	6 15	6 13	3 48		n.a.
T 27	8 32	10 37	4 18	1 46	2 23	8 43	0 26	25 36	1 44	14 52	0 26	3 10	2 12	24 22	0 30	4 2	2 7	34 59	14 2	6 15	6 12	3 46		n.a.
W28	8 54	6 24	3 24	1 0	2 15	8 34	0 33	25 36	1 43	14 56	0 25	3 13	2 12	24 22	0 30	4 1	2 7	35 0	14 2	6 15	6 10	3 44		n.a.
T 29	9 16	1 43	2 14	0 13	2 7	8 25	0 41	25 36	1 43	15 0	0 25	3 16	2 12	24 22	0 30	4 0	2 7	35 0	14 2	6 16	6 9	3 43		n.a.
F 30	9n37	3s 5	0s56	0n36	1s59	8s16	0s47	25n35	1n42	15n 5	0s25	3n19	2s12	24n22	0n30	4s 0	2n 7	35s 0	14s 3	6s16	6s 8	3s41		n.a.

Julian Day Number = 1117755.5, Delta T = 10h45m27s
Ecliptic obliquity = 23°53'07, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'21, Lahiri = -26°45'21 Julian Calendar 1 Apr. 1653 BCE == Greg. Calendar 18 March 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

MAY 1653 BCE (-1652) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 39 3	25♈19'07	20♎25	7♈42	11♓49	0♋24	11♉27	13♈24	2♋ 7	14°R47	26♏27	15°R38	15♎15	14♓56	n.a.	S 1
S 2	13 43 0	26°16'13	5♏ 9	9°29	12°32	0°57	11°40	13°32	2° 9	14♎46	26°27	15♎37	15°11	15° 3	n.a.	S 2
M 3	13 46 57	27°13'19	19°36	11°19	13°17	1°31	11°53	13°40	2°11	14°44	26°27	15°36	15° 8	15°10	n.a.	M 3
T 4	13 50 53	28°10'24	3♐42	13°11	14° 2	2° 5	12° 7	13°48	2°13	14°42	26°27	15°35	15° 5	15°16	n.a.	T 4
W 5	13 54 50	29° 7'29	17°23	15° 6	14°48	2°39	12°20	13°56	2°15	14°41	26°27	15°33	15° 2	15°23	n.a.	W 5
T 6	13 58 46	0♑ 4'33	0♑39	17° 3	15°35	3°13	12°33	14° 3	2°18	14°39	26°28	15°32	14°59	15°30	n.a.	T 6
F 7	14 2 43	1° 1'38	13°31	19° 2	16°23	3°47	12°47	14°11	2°20	14°38	26°28	15°30	14°55	15°36	n.a.	F 7
S 8	14 6 39	1°58'42	26° 2	21° 3	17°11	4°21	13° 0	14°19	2°22	14°36	26°28	15°30	14°52	15°43	n.a.	S 8
S 9	14 10 36	2°55'47	8♒15	23° 7	18° 0	4°56	13°14	14°26	2°24	14°35	26°28	15°D30	14°49	15°50	n.a.	S 9
M10	14 14 32	3°52'51	20°15	25°12	18°50	5°30	13°27	14°34	2°27	14°33	26°28	15°30	14°46	15°56	n.a.	M10
T 11	14 18 29	4°49'55	2♓ 8	27°19	19°41	6° 5	13°41	14°42	2°29	14°32	26°R28	15°32	14°43	16° 3	n.a.	T 11
W12	14 22 26	5°47'00	13°56	29°27	20°32	6°39	13°54	14°49	2°31	14°30	26°28	15°33	14°40	16°10	n.a.	W12
T 13	14 26 22	6°44'04	25°46	1♉36	21°24	7°14	14° 7	14°57	2°34	14°29	26°28	15°35	14°36	16°16	n.a.	T 13
F 14	14 30 19	7°41'08	7♈40	3°46	22°16	7°49	14°21	15° 4	2°36	14°27	26°28	15°36	14°33	16°23	n.a.	F 14
S 15	14 34 15	8°38'13	19°41	5°56	23° 9	8°24	14°35	15°12	2°39	14°26	26°28	15°R36	14°30	16°30	n.a.	S 15
S 16	14 38 12	9°35'17	1♉53	8° 7	24° 3	8°59	14°48	15°19	2°42	14°24	26°28	15°35	14°27	16°36	n.a.	S 16
M17	14 42 8	10°32'22	14°17	10°17	24°57	9°34	15° 2	15°27	2°44	14°23	26°28	15°33	14°24	16°43	n.a.	M17
T 18	14 46 5	11°29'26	26°54	12°28	25°51	10° 9	15°15	15°34	2°47	14°22	26°27	15°29	14°20	16°50	n.a.	T 18
W19	14 50 2	12°26'31	9♊45	14°38	26°47	10°44	15°29	15°42	2°49	14°20	26°27	15°26	14°17	16°56	n.a.	W19
T 20	14 53 58	13°23'35	22°50	16°47	27°42	11°19	15°42	15°49	2°52	14°19	26°27	15°21	14°14	17° 3	n.a.	T 20
F 21	14 57 55	14°20'39	6♋ 9	18°55	28°38	11°55	15°56	15°56	2°55	14°18	26°27	15°17	14°11	17°10	n.a.	F 21
S 22	15 1 51	15°17'44	19°42	21° 2	29°35	12°30	16° 9	16° 4	2°58	14°16	26°27	15°14	14° 8	17°16	n.a.	S 22
S 23	15 5 48	16°14'48	3♌27	23° 7	0♈32	13° 6	16°23	16°11	3° 1	14°15	26°26	15°12	14° 5	17°23	n.a.	S 23
M24	15 9 44	17°11'52	17°24	25°12	1°29	13°41	16°36	16°18	3° 3	14°14	26°26	15°D12	14° 1	17°30	n.a.	M24
T 25	15 13 41	18° 8'56	1♍33	27°14	2°27	14°17	16°50	16°25	3° 6	14°12	26°26	15°12	13°58	17°36	n.a.	T 25
W26	15 17 37	19° 5'59	15°52	29°15	3°25	14°53	17° 3	16°32	3° 9	14°11	26°25	15°13	13°55	17°43	n.a.	W26
T 27	15 21 34	20° 3'03	0♎18	1♊14	4°23	15°29	17°17	16°39	3°12	14°10	26°25	15°15	13°52	17°50	n.a.	T 27
F 28	15 25 31	21° 0'07	14°49	3°12	5°22	16° 5	17°31	16°46	3°15	14° 9	26°25	15°R15	13°49	17°56	n.a.	F 28
S 29	15 29 27	21°57'11	29°18	5° 7	6°22	16°41	17°44	16°53	3°18	14° 7	26°24	15°15	13°46	18° 3	n.a.	S 29
S 30	15 33 24	22°54'16	13♏42	7° 1	7°21	17°17	17°58	17° 0	3°21	14° 6	26°24	15°12	13°42	18°10	n.a.	S 30
M31	15 37 20	23♑51'21	27♏55	8♊53	8♈21	17♋53	18♑11	17♈ 7	3♋24	14♎ 5	26♏23	15♎ 8	13♎39	18♓16	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n58	7s43	0n27	1n26	1s50	8s 6	0s54	25n34	1n41	15n 9	0s25	3n22	2s12	24n22	0n30	3s59	2n 7	35s 0	14s 3	6s16	6s 7	3s39		n.a.
S 2	10 19	11 49	1 46	2 17	1 41	7 55	1 1	25 33	1 41	15 13	0 25	3 25	2 12	24 22	0 30	3 59	2 7	35 1	14 3	6 16	6 5	3 37		n.a.
M 3	10 40	15 7	2 58	3 10	1 31	7 43	1 7	25 32	1 40	15 18	0 25	3 29	2 12	24 22	0 30	3 58	2 7	35 1	14 4	6 15	6 4	3 35		n.a.
T 4	11 1	17 25	3 56	4 3	1 21	7 31	1 13	25 31	1 39	15 22	0 25	3 32	2 12	24 22	0 30	3 57	2 7	35 1	14 4	6 15	6 3	3 33		n.a.
W 5	11 22	18 38	4 39	4 58	1 11	7 18	1 19	25 30	1 39	15 26	0 25	3 35	2 12	24 22	0 30	3 57	2 7	35 2	14 4	6 14	6 2	3 31		n.a.
T 6	11 42	18 47	5 6	5 53	1 0	7 5	1 24	25 29	1 38	15 30	0 24	3 38	2 12	24 22	0 30	3 56	2 7	35 2	14 5	6 13	6 0	3 29		n.a.
F 7	12 3	17 56	5 16	6 50	0 50	6 51	1 30	25 27	1 37	15 35	0 24	3 41	2 12	24 21	0 30	3 56	2 7	35 2	14 5	6 13	5 59	3 27		n.a.
S 8	12 23	16 14	5 11	7 46	0 39	6 36	1 35	25 25	1 37	15 39	0 24	3 44	2 12	24 21	0 30	3 55	2 7	35 3	14 6	6 13	5 58	3 25		n.a.
S 9	12 43	13 51	4 52	8 43	0 28	6 21	1 40	25 23	1 36	15 43	0 24	3 47	2 12	24 21	0 30	3 55	2 7	35 3	14 6	6 13	5 57	3 24		n.a.
M10	13 3	10 54	4 20	9 40	0 17	6 6	1 45	25 21	1 35	15 47	0 24	3 50	2 12	24 21	0 30	3 54	2 7	35 3	14 6	6 13	5 55	3 22		n.a.
T 11	13 22	7 32	3 38	10 37	0 6	5 50	1 49	25 19	1 35	15 52	0 24	3 53	2 12	24 21	0 30	3 53	2 7	35 4	14 7	6 13	5 54	3 20		n.a.
W12	13 42	3 53	2 46	11 33	0n 5	5 33	1 54	25 17	1 34	15 56	0 24	3 55	2 12	24 21	0 30	3 53	2 7	35 4	14 7	6 14	5 53	3 18		n.a.
T 13	14 1	0 5	1 47	12 29	0 16	5 16	1 58	25 14	1 33	16 0	0 24	3 58	2 12	24 21	0 30	3 52	2 7	35 4	14 7	6 15	5 52	3 16		n.a.
F 14	14 20	3n46	0 44	13 25	0 26	4 59	2 2	25 11	1 33	16 4	0 23	4 1	2 12	24 21	0 30	3 52	2 7	35 5	14 8	6 15	5 50	3 14		n.a.
S 15	14 39	7 30	0s23	14 19	0 36	4 41	2 6	25 9	1 32	16 8	0 23	4 4	2 12	24 21	0 30	3 51	2 6	35 5	14 8	6 15	5 49	3 12		n.a.
S 16	14 57	10 58	1 29	15 11	0 46	4 23	2 9	25 6	1 31	16 12	0 23	4 7	2 12	24 21	0 30	3 51	2 6	35 6	14 8	6 15	5 48	3 10		n.a.
M17	15 15	14 1	2 31	16 3	0 55	4 4	2 13	25 2	1 31	16 17	0 23	4 10	2 12	24 21	0 30	3 50	2 6	35 6	14 9	6 14	5 47	3 8		n.a.
T 18	15 34	16 28	3 28	16 52	1 3	3 45	2 16	24 59	1 30	16 21	0 23	4 13	2 12	24 21	0 29	3 50	2 6	35 6	14 9	6 13	5 45	3 6		n.a.
W19	15 51	18 8	4 15	17 40	1 11	3 25	2 19	24 56	1 29	16 25	0 23	4 16	2 12	24 21	0 29	3 49	2 6	35 7	14 10	6 11	5 44	3 4		n.a.
T 20	16 9	18 52	4 49	18 25	1 19	3 5	2 22	24 52	1 29	16 29	0 23	4 18	2 12	24 21	0 29	3 49	2 6	35 7	14 10	6 9	5 43	3 3		n.a.
F 21	16 26	18 35	5 9	19 8	1 26	2 45	2 24	24 48	1 28	16 33	0 23	4 21	2 12	24 21	0 29	3 48	2 6	35 7	14 10	6 8	5 42	3 1		n.a.
S 22	16 43	17 16	5 12	19 50	1 32	2 25	2 27	24 44	1 27	16 37	0 23	4 24	2 12	24 20	0 29	3 48	2 6	35 8	14 11	6 6	5 40	2 59		n.a.
S 23	17 0	14 55	4 58	20 28	1 38	2 4	2 29	24 40	1 27	16 41	0 23	4 27	2 13	24 20	0 29	3 47	2 6	35 8	14 11	6 6	5 39	2 57		n.a.
M24	17 17	11 42	4 25	21 4	1 42	1 42	2 31	24 36	1 26	16 45	0 22	4 29	2 13	24 20	0 29	3 47	2 6	35 9	14 11	6 5	5 38	2 55		n.a.
T 25	17 33	7 45	3 36	21 38	1 47	1 21	2 34	24 31	1 26	16 49	0 22	4 32	2 13	24 20	0 29	3 46	2 6	35 9	14 12	6 6	5 37	2 53		n.a.
W26	17 49	3 19	2 34	22 9	1 50	0 59	2 35	24 27	1 25	16 53	0 22	4 35	2 13	24 20	0 29	3 46	2 6	35 9	14 12	6 6	5 35	2 51		n.a.
T 27	18 5	1s21	1 21	22 38	1 53	0 37	2 37	24 22	1 24	16 57	0 22	4 38	2 13	24 20	0 29	3 45	2 6	35 10	14 12	6 7	5 34	2 49		n.a.
F 28	18 20	5 59	0 2	23 4	1 55	0 15	2 39	24 17	1 24	17 1	0 22	4 40	2 13	24 20	0 29	3 45	2 6	35 10	14 13	6 7	5 33	2 47		n.a.
S 29	18 36	10 15	1n16	23 28	1 57	0n 8	2 40	24 12	1 23	17 5	0 22	4 43	2 13	24 20	0 29	3 44	2 6	35 11	14 13	6 7	5 32	2 45		n.a.
S 30	18 50	13 53	2 29	23 49	1 58	0 31	2 41	24 6	1 22	17 9	0 22	4 45	2 13	24 20	0 29	3 44	2 6	35 11	14 13	6 6	5 30	2 43		n.a.
M31	19n 5	16s38	3n31	24n 8	1n58	0n54	2s42	24n 1	1n22	17n13	0s22	4n48	2s13	24n20	0n29	3s44	2n 6	35s12	14s14	6s 4	5s29	2s42		n.a.

Julian Day Number = 1117785.5, Delta T = 10h45m25s
Ecliptic obliquity = 23°53'06, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'17, Lahiri = -26°45'17 Julian Calendar 1 May 1653 BCE == Greg. Calendar 17 Apr. 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

JUNE 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 41 17	24♉48'26	11♐52	10♊43	9♈21	18♋29	18♉25	17♈14	3♋27	14°R 4	26°R23	15°R 2	13♎36	18♓23	n.a.	T 1
W 2	15 45 13	25°45'32	25°28	12°31	10°22	19° 6	18°38	17°21	3°31	14♎ 3	26♑22	14♎56	13°33	18°30	n.a.	W 2
T 3	15 49 10	26°42'39	8♑43	14°18	11°23	19°42	18°52	17°28	3°34	14° 2	26°22	14°49	13°30	18°36	n.a.	T 3
F 4	15 53 7	27°39'46	21°35	16° 2	12°24	20°19	19° 5	17°35	3°37	14° 1	26°21	14°44	13°26	18°43	n.a.	F 4
S 5	15 57 3	28°36'55	4♒ 7	17°45	13°26	20°55	19°18	17°41	3°40	14° 0	26°21	14°39	13°23	18°50	n.a.	S 5
S 6	16 1 0	29°34'04	16°21	19°25	14°28	21°32	19°32	17°48	3°43	13°59	26°20	14°36	13°20	18°56	n.a.	S 6
M 7	16 4 56	0♊31'14	28°22	21° 4	15°30	22° 8	19°45	17°54	3°47	13°58	26°20	14°D35	13°17	19° 3	n.a.	M 7
T 8	16 8 53	1°28'25	10♓14	22°41	16°32	22°45	19°59	18° 1	3°50	13°57	26°19	14°36	13°14	19°10	n.a.	T 8
W 9	16 12 49	2°25'37	22° 3	24°16	17°35	23°22	20°12	18° 7	3°53	13°56	26°18	14°37	13°11	19°16	n.a.	W 9
T 10	16 16 46	3°22'50	3♈54	25°49	18°38	23°59	20°25	18°14	3°57	13°55	26°18	14°38	13° 7	19°23	n.a.	T 10
F 11	16 20 42	4°20'04	15°52	27°21	19°41	24°36	20°39	18°20	4° 0	13°54	26°17	14°R39	13° 4	19°30	n.a.	F 11
S 12	16 24 39	5°17'19	28° 0	28°50	20°45	25°13	20°52	18°26	4° 3	13°53	26°16	14°38	13° 1	19°36	n.a.	S 12
S 13	16 28 36	6°14'35	10♉22	0♋17	21°48	25°50	21° 5	18°33	4° 7	13°52	26°16	14°35	12°58	19°43	n.a.	S 13
M14	16 32 32	7°11'52	23° 1	1°43	22°52	26°28	21°19	18°39	4°10	13°51	26°15	14°29	12°55	19°50	n.a.	M14
T 15	16 36 29	8° 9'11	5♊58	3° 7	23°56	27° 5	21°32	18°45	4°14	13°50	26°14	14°22	12°52	19°56	n.a.	T 15
W16	16 40 25	9° 6'30	19°11	4°28	25° 1	27°42	21°45	18°51	4°17	13°50	26°13	14°14	12°48	20° 3	n.a.	W16
T 17	16 44 22	10° 3'50	2♋41	5°48	26° 5	28°20	21°58	18°57	4°21	13°49	26°13	14° 4	12°45	20°10	n.a.	T 17
F 18	16 48 18	11° 1'11	16°23	7° 5	27°10	28°57	22°11	19° 3	4°24	13°48	26°12	13°55	12°42	20°16	n.a.	F 18
S 19	16 52 15	11°58'34	0♌16	8°21	28°15	29°35	22°25	19° 9	4°28	13°48	26°11	13°48	12°39	20°23	n.a.	S 19
S 20	16 56 12	12°55'56	14°16	9°34	29°20	0♌13	22°38	19°14	4°31	13°47	26°10	13°43	12°36	20°29	n.a.	S 20
M21	17 0 8	13°53'20	28°21	10°44	0♉26	0°50	22°51	19°20	4°35	13°46	26° 9	13°40	12°32	20°36	n.a.	M21
T 22	17 4 5	14°50'45	12♍28	11°53	1°31	1°28	23° 4	19°26	4°39	13°46	26° 9	13°D39	12°29	20°43	n.a.	T 22
W23	17 8 1	15°48'10	26°37	12°59	2°37	2° 6	23°17	19°31	4°42	13°45	26° 8	13°39	12°26	20°49	n.a.	W23
T 24	17 11 58	16°45'36	10♎46	14° 2	3°43	2°44	23°30	19°37	4°46	13°45	26° 7	13°R39	12°23	20°56	n.a.	T 24
F 25	17 15 54	17°43'03	24°54	15° 3	4°49	3°22	23°43	19°42	4°49	13°44	26° 6	13°39	12°20	21° 3	n.a.	F 25
S 26	17 19 51	18°40'32	8♏59	16° 1	5°56	4° 0	23°55	19°48	4°53	13°44	26° 5	13°36	12°17	21° 9	n.a.	S 26
S 27	17 23 47	19°38'01	22°57	16°56	7° 2	4°39	24° 8	19°53	4°57	13°43	26° 4	13°32	12°13	21°16	n.a.	S 27
M28	17 27 44	20°35'32	6♐47	17°48	8° 9	5°17	24°21	19°58	5° 0	13°43	26° 3	13°24	12°10	21°23	n.a.	M28
T 29	17 31 41	21°33'04	20°24	18°37	9°16	5°55	24°34	20° 3	5° 4	13°43	26° 2	13°14	12° 7	21°29	n.a.	T 29
W30	17 35 37	22♊30'37	3♑46	19♋23	10♉23	6♌33	24♉47	20♈ 8	5♋ 8	13♎42	26♑ 1	13♎ 3	12♎ 4	21♓36	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n19	18s20	4n20	24n24	1n57	1n17	2s43	23n55	1n21	17n17	0s22	4n51	2s13	24n20	0n29	3s43	2n 6	35s12	14s14	6s 2	5s28	2s40		n.a.
W 2	19 33	18 56	4 52	24 39	1 56	1 40	2 44	23 49	1 20	17 21	0 21	4 53	2 13	24 20	0 29	3 43	2 6	35 12	14 14	5 59	5 27	2 38		n.a.
T 3	19 47	18 28	5 8	24 51	1 55	2 4	2 45	23 43	1 20	17 25	0 21	4 56	2 14	24 19	0 29	3 42	2 6	35 13	14 15	5 57	5 25	2 36		n.a.
F 4	20 0	17 3	5 8	25 0	1 53	2 27	2 45	23 37	1 19	17 29	0 21	4 58	2 14	24 19	0 29	3 42	2 6	35 13	14 15	5 55	5 24	2 34		n.a.
S 5	20 13	14 51	4 52	25 8	1 50	2 51	2 46	23 31	1 18	17 32	0 21	5 1	2 14	24 19	0 29	3 42	2 6	35 14	14 15	5 53	5 23	2 32		n.a.
S 6	20 26	12 2	4 24	25 14	1 47	3 15	2 46	23 24	1 18	17 36	0 21	5 3	2 14	24 19	0 29	3 41	2 6	35 14	14 16	5 52	5 22	2 30		n.a.
M 7	20 38	8 46	3 44	25 17	1 43	3 40	2 46	23 18	1 17	17 40	0 21	5 6	2 14	24 19	0 29	3 41	2 5	35 15	14 16	5 51	5 20	2 28		n.a.
T 8	20 50	5 10	2 55	25 19	1 39	4 4	2 46	23 11	1 16	17 44	0 21	5 8	2 14	24 19	0 29	3 41	2 5	35 15	14 16	5 51	5 19	2 26		n.a.
W 9	21 2	1 23	1 59	25 19	1 34	4 28	2 46	23 4	1 16	17 47	0 21	5 10	2 14	24 19	0 29	3 40	2 5	35 15	14 17	5 52	5 18	2 24		n.a.
T 10	21 13	2n28	0 58	25 18	1 29	4 53	2 46	22 57	1 15	17 51	0 21	5 13	2 14	24 19	0 29	3 40	2 5	35 16	14 17	5 52	5 16	2 22		n.a.
F 11	21 24	6 15	0s 7	25 14	1 23	5 17	2 46	22 49	1 14	17 55	0 21	5 15	2 14	24 19	0 29	3 40	2 5	35 16	14 17	5 53	5 15	2 21		n.a.
S 12	21 35	9 51	1 11	25 10	1 17	5 42	2 45	22 42	1 14	17 59	0 21	5 17	2 15	24 19	0 29	3 39	2 5	35 17	14 18	5 52	5 14	2 19		n.a.
S 13	21 45	13 5	2 14	25 3	1 10	6 7	2 45	22 34	1 13	18 2	0 20	5 20	2 15	24 18	0 29	3 39	2 5	35 17	14 18	5 51	5 13	2 17		n.a.
M14	21 55	15 47	3 11	24 56	1 3	6 31	2 44	22 26	1 13	18 6	0 20	5 22	2 15	24 18	0 29	3 39	2 5	35 18	14 18	5 49	5 11	2 15		n.a.
T 15	22 4	17 46	4 0	24 46	0 56	6 56	2 43	22 18	1 12	18 9	0 20	5 24	2 15	24 18	0 29	3 39	2 5	35 18	14 18	5 46	5 10	2 13		n.a.
W16	22 14	18 50	4 37	24 36	0 48	7 21	2 42	22 10	1 11	18 13	0 20	5 26	2 15	24 18	0 29	3 38	2 5	35 19	14 19	5 43	5 9	2 11		n.a.
T 17	22 22	18 52	4 59	24 25	0 40	7 45	2 41	22 2	1 11	18 17	0 20	5 28	2 15	24 18	0 29	3 38	2 5	35 19	14 19	5 39	5 8	2 9		n.a.
F 18	22 31	17 49	5 5	24 12	0 31	8 10	2 40	21 53	1 10	18 20	0 20	5 31	2 15	24 18	0 29	3 38	2 5	35 19	14 19	5 35	5 6	2 7		n.a.
S 19	22 39	15 42	4 53	23 59	0 22	8 35	2 39	21 45	1 9	18 24	0 20	5 33	2 16	24 18	0 29	3 38	2 5	35 20	14 20	5 33	5 5	2 5		n.a.
S 20	22 46	12 39	4 23	23 45	0 13	8 59	2 38	21 36	1 9	18 27	0 20	5 35	2 16	24 18	0 29	3 38	2 5	35 20	14 20	5 30	5 4	2 3		n.a.
M21	22 53	8 52	3 38	23 30	0 3	9 24	2 36	21 27	1 8	18 31	0 20	5 37	2 16	24 17	0 29	3 37	2 5	35 21	14 20	5 29	5 3	2 1		n.a.
T 22	23 0	4 34	2 39	23 14	0s 7	9 48	2 35	21 18	1 7	18 34	0 20	5 39	2 16	24 17	0 29	3 37	2 5	35 21	14 20	5 29	5 1	2 0		n.a.
W23	23 7	0s 0	1 30	22 58	0 17	10 13	2 33	21 8	1 7	18 37	0 20	5 41	2 16	24 17	0 29	3 37	2 5	35 22	14 21	5 29	5 0	1 58		n.a.
T 24	23 13	4 35	0 15	22 41	0 27	10 37	2 32	20 59	1 6	18 41	0 19	5 43	2 16	24 17	0 29	3 37	2 4	35 22	14 21	5 29	4 59	1 56		n.a.
F 25	23 18	8 54	1n 0	22 23	0 38	11 1	2 30	20 49	1 5	18 44	0 19	5 45	2 17	24 17	0 29	3 37	2 4	35 22	14 21	5 29	4 58	1 54		n.a.
S 26	23 23	12 42	2 11	22 6	0 49	11 25	2 28	20 40	1 5	18 47	0 19	5 47	2 17	24 17	0 29	3 37	2 4	35 23	14 21	5 28	4 56	1 52		n.a.
S 27	23 28	15 44	3 13	21 48	1 0	11 49	2 26	20 30	1 4	18 51	0 19	5 49	2 17	24 17	0 29	3 37	2 4	35 23	14 22	5 26	4 55	1 50		n.a.
M28	23 33	17 51	4 4	21 30	1 12	12 13	2 24	20 20	1 3	18 54	0 19	5 50	2 17	24 17	0 29	3 36	2 4	35 24	14 22	5 23	4 54	1 48		n.a.
T 29	23 37	18 53	4 39	21 11	1 23	12 36	2 22	20 9	1 3	18 57	0 19	5 52	2 17	24 16	0 29	3 36	2 4	35 24	14 22	5 19	4 53	1 46		n.a.
W30	23n40	18s51	4n58	20n53	1s35	13n 0	2s20	19n59	1n 2	19n 1	0s19	5n54	2s17	24n16	0n29	3s36	2n 4	35s25	14s22	5s15	4s51	1s44		n.a.

Julian Day Number = 1117816.5, Delta T = 10h45m23s
Ecliptic obliquity = 23°53'05, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'13, Lahiri = -26°45'12 Julian Calendar 1 June 1653 BCE == Greg. Calendar 18 May 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

JULY 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 39 34	23♊28'12	16♑51	20♋ 5	11♉30	7♌12	24♉59	20♈13	5♋11	13°R42	26°R 0	12°R52	12♎ 1	21♓43	n.a.	T 1
F 2	17 43 30	24°25'48	29°37	20°43	12°37	7°50	25°12	20°18	5°15	13♎42	25♑59	12♎41	11°58	21°49	n.a.	F 2
S 3	17 47 27	25°23'26	12♒ 5	21°17	13°45	8°29	25°24	20°23	5°19	13°41	25°58	12°32	11°54	21°56	n.a.	S 3
S 4	17 51 23	26°21'05	24°17	21°48	14°52	9° 8	25°37	20°28	5°23	13°41	25°57	12°26	11°51	22° 3	n.a.	S 4
M 5	17 55 20	27°18'47	6♓17	22°13	16° 0	9°46	25°49	20°32	5°26	13°41	25°56	12°22	11°48	22° 9	n.a.	M 5
T 6	17 59 16	28°16'30	18° 9	22°35	17° 8	10°25	26° 2	20°37	5°30	13°41	25°55	12°20	11°45	22°16	n.a.	T 6
W 7	18 3 13	29°14'15	29°57	22°51	18°16	11° 4	26°14	20°42	5°34	13°41	25°54	12°D19	11°42	22°23	n.a.	W 7
T 8	18 7 10	0♋12'01	11♈48	23° 2	19°24	11°43	26°26	20°46	5°38	13°41	25°53	12°R20	11°38	22°29	n.a.	T 8
F 9	18 11 6	1° 9'50	23°47	23° 8	20°33	12°22	26°39	20°50	5°41	13°40	25°51	12°19	11°35	22°36	n.a.	F 9
S 10	18 15 3	2° 7'40	5♉59	23°R 9	21°41	13° 1	26°51	20°55	5°45	13°D40	25°50	12°17	11°32	22°43	n.a.	S 10
S 11	18 18 59	3° 5'33	18°28	23° 4	22°50	13°40	27° 3	20°59	5°49	13°40	25°49	12°13	11°29	22°49	n.a.	S 11
M12	18 22 56	4° 3'27	1♊17	22°53	23°59	14°20	27°15	21° 3	5°53	13°41	25°48	12° 6	11°26	22°56	n.a.	M12
T 13	18 26 52	5° 1'24	14°29	22°36	25° 8	14°59	27°27	21° 7	5°56	13°41	25°47	11°57	11°23	23° 3	n.a.	T 13
W14	18 30 49	5°59'22	28° 3	22°14	26°17	15°38	27°39	21°11	6° 0	13°41	25°46	11°45	11°19	23° 9	n.a.	W14
T 15	18 34 45	6°57'22	11♋57	21°45	27°26	16°18	27°51	21°14	6° 4	13°41	25°45	11°33	11°16	23°16	n.a.	T 15
F 16	18 38 42	7°55'23	26° 5	21°11	28°35	16°57	28° 3	21°18	6° 8	13°41	25°43	11°22	11°13	23°23	n.a.	F 16
S 17	18 42 39	8°53'27	10♌24	20°31	29°45	17°37	28°14	21°22	6°11	13°41	25°42	11°12	11°10	23°29	n.a.	S 17
S 18	18 46 35	9°51'32	24°47	19°47	0♊54	18°16	28°26	21°25	6°15	13°41	25°41	11° 4	11° 7	23°36	n.a.	S 18
M19	18 50 32	10°49'38	9♍ 9	18°58	2° 4	18°56	28°38	21°29	6°19	13°42	25°40	11° 0	11° 3	23°42	n.a.	M19
T 20	18 54 28	11°47'46	23°26	18° 5	3°14	19°36	28°49	21°32	6°23	13°42	25°39	10°57	11° 0	23°49	n.a.	T 20
W21	18 58 25	12°45'56	7♎37	17° 9	4°24	20°16	29° 1	21°35	6°26	13°42	25°37	10°57	10°57	23°56	n.a.	W21
T 22	19 2 21	13°44'07	21°39	16°12	5°34	20°56	29°12	21°38	6°30	13°43	25°36	10°57	10°54	24° 2	n.a.	T 22
F 23	19 6 18	14°42'20	5♏32	15°14	6°44	21°36	29°23	21°41	6°34	13°43	25°35	10°56	10°51	24° 9	n.a.	F 23
S 24	19 10 14	15°40'34	19°17	14°17	7°54	22°16	29°35	21°44	6°38	13°44	25°34	10°53	10°48	24°16	n.a.	S 24
S 25	19 14 11	16°38'51	2♐52	13°22	9° 4	22°56	29°46	21°47	6°41	13°44	25°33	10°47	10°44	24°22	n.a.	S 25
M26	19 18 8	17°37'09	16°18	12°30	10°15	23°36	29°57	21°50	6°45	13°44	25°31	10°39	10°41	24°29	n.a.	M26
T 27	19 22 4	18°35'29	29°32	11°42	11°25	24°16	0♊ 8	21°52	6°49	13°45	25°30	10°28	10°38	24°36	n.a.	T 27
W28	19 26 1	19°33'50	12♑33	11° 0	12°36	24°56	0°19	21°55	6°53	13°46	25°29	10°15	10°35	24°42	n.a.	W28
T 29	19 29 57	20°32'14	25°21	10°24	13°47	25°37	0°29	21°57	6°56	13°46	25°28	10° 2	10°32	24°49	n.a.	T 29
F 30	19 33 54	21°30'40	7♒55	9°56	14°58	26°17	0°40	21°59	7° 0	13°47	25°26	9°50	10°29	24°56	n.a.	F 30
S 31	19 37 50	22♋29'08	20♒14	9♋37	16♊ 9	26♌58	0♊51	22♈ 2	7♋ 4	13♎47	25♑25	9♎40	10♎25	25♓ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n43	17s49	5n 2	20n36	1s47	13n23	2s18	19n48	1n 1	19n 4	0s19	5n56	2s18	24n16	0n29	3s36	2n 4	35s25	14s23	5s10	4s50	1s42		n.a.
F 2	23 46	15 54	4 50	20 18	1 59	13 46	2 16	19 38	1 1	19 7	0 19	5 57	2 18	24 16	0 29	3 36	2 4	35 26	14 23	5 6	4 49	1 41		n.a.
S 3	23 48	13 16	4 24	20 1	2 11	14 9	2 13	19 27	1 0	19 10	0 19	5 59	2 18	24 16	0 29	3 36	2 4	35 26	14 23	5 3	4 47	1 39		n.a.
S 4	23 50	10 7	3 46	19 44	2 23	14 31	2 11	19 16	0 59	19 13	0 19	6 1	2 18	24 16	0 29	3 36	2 4	35 26	14 23	5 0	4 46	1 37		n.a.
M 5	23 51	6 36	2 59	19 28	2 35	14 53	2 8	19 4	0 59	19 16	0 18	6 2	2 18	24 15	0 29	3 36	2 4	35 27	14 23	4 58	4 45	1 35		n.a.
T 6	23 52	2 52	2 5	19 13	2 46	15 15	2 6	18 53	0 58	19 19	0 18	6 4	2 18	24 15	0 29	3 36	2 4	35 27	14 24	4 58	4 44	1 33		n.a.
W 7	23 53	0n59	1 5	18 59	2 58	15 37	2 3	18 42	0 58	19 22	0 18	6 5	2 19	24 15	0 29	3 36	2 4	35 28	14 24	4 57	4 42	1 31		n.a.
T 8	23 53	4 48	0 3	18 46	3 9	15 59	2 0	18 30	0 57	19 25	0 18	6 7	2 19	24 15	0 29	3 36	2 3	35 28	14 24	4 58	4 41	1 29		n.a.
F 9	23 53	8 28	1s 0	18 34	3 20	16 20	1 58	18 18	0 56	19 28	0 18	6 8	2 19	24 15	0 29	3 36	2 3	35 28	14 24	4 57	4 40	1 27		n.a.
S 10	23 52	11 51	2 2	18 24	3 31	16 41	1 55	18 6	0 56	19 31	0 18	6 10	2 19	24 15	0 29	3 36	2 3	35 29	14 24	4 57	4 39	1 25		n.a.
S 11	23 51	14 47	2 59	18 15	3 41	17 1	1 52	17 54	0 55	19 34	0 18	6 11	2 19	24 15	0 29	3 36	2 3	35 29	14 24	4 55	4 37	1 23		n.a.
M12	23 49	17 4	3 49	18 7	3 50	17 21	1 49	17 42	0 54	19 37	0 18	6 13	2 20	24 14	0 29	3 36	2 3	35 30	14 25	4 52	4 36	1 21		n.a.
T 13	23 47	18 32	4 27	18 2	3 59	17 41	1 46	17 30	0 54	19 40	0 18	6 14	2 20	24 14	0 29	3 36	2 3	35 30	14 25	4 48	4 35	1 20		n.a.
W14	23 45	19 0	4 52	17 58	4 6	18 0	1 43	17 17	0 53	19 43	0 18	6 15	2 20	24 14	0 29	3 37	2 3	35 30	14 25	4 44	4 34	1 18		n.a.
T 15	23 42	18 21	5 1	17 56	4 13	18 19	1 40	17 4	0 52	19 46	0 18	6 16	2 20	24 14	0 29	3 37	2 3	35 31	14 25	4 39	4 32	1 16		n.a.
F 16	23 39	16 34	4 51	17 56	4 18	18 38	1 37	16 52	0 52	19 48	0 18	6 18	2 20	24 14	0 29	3 37	2 3	35 31	14 25	4 34	4 31	1 14		n.a.
S 17	23 35	13 45	4 23	17 58	4 22	18 56	1 34	16 39	0 51	19 51	0 18	6 19	2 21	24 14	0 29	3 37	2 3	35 32	14 25	4 30	4 30	1 12		n.a.
S 18	23 31	10 5	3 38	18 3	4 24	19 14	1 31	16 26	0 50	19 54	0 17	6 20	2 21	24 13	0 29	3 37	2 3	35 32	14 25	4 28	4 29	1 10		n.a.
M19	23 26	5 50	2 40	18 9	4 24	19 31	1 28	16 13	0 50	19 57	0 17	6 21	2 21	24 13	0 29	3 37	2 3	35 32	14 26	4 26	4 27	1 8		n.a.
T 20	23 21	1 16	1 31	18 18	4 23	19 48	1 25	15 59	0 49	19 59	0 17	6 22	2 21	24 13	0 29	3 37	2 3	35 33	14 26	4 25	4 26	1 6		n.a.
W21	23 16	3s21	0 18	18 28	4 20	20 5	1 22	15 46	0 48	20 2	0 17	6 23	2 21	24 13	0 29	3 38	2 3	35 33	14 26	4 25	4 25	1 4		n.a.
T 22	23 10	7 43	0n56	18 40	4 14	20 21	1 18	15 32	0 48	20 4	0 17	6 24	2 22	24 13	0 29	3 38	2 2	35 33	14 26	4 25	4 23	1 2		n.a.
F 23	23 3	11 38	2 6	18 54	4 7	20 36	1 15	15 18	0 47	20 7	0 17	6 25	2 22	24 12	0 29	3 38	2 2	35 34	14 26	4 24	4 22	1 1		n.a.
S 24	22 57	14 52	3 8	19 10	3 58	20 51	1 12	15 5	0 46	20 10	0 17	6 26	2 22	24 12	0 29	3 38	2 2	35 34	14 26	4 23	4 21	0 59		n.a.
S 25	22 50	17 14	3 58	19 26	3 47	21 6	1 9	14 51	0 46	20 12	0 17	6 27	2 22	24 12	0 29	3 39	2 2	35 34	14 26	4 21	4 20	0 57		n.a.
M26	22 42	18 37	4 34	19 44	3 34	21 19	1 5	14 36	0 45	20 15	0 17	6 28	2 23	24 12	0 29	3 39	2 2	35 35	14 26	4 17	4 18	0 55		n.a.
T 27	22 34	18 58	4 55	20 3	3 20	21 33	1 2	14 22	0 44	20 17	0 17	6 28	2 23	24 12	0 29	3 39	2 2	35 35	14 26	4 13	4 17	0 53		n.a.
W28	22 26	18 18	5 0	20 22	3 4	21 46	0 59	14 8	0 44	20 19	0 17	6 29	2 23	24 12	0 29	3 39	2 2	35 35	14 26	4 8	4 16	0 51		n.a.
T 29	22 17	16 42	4 50	20 41	2 47	21 58	0 55	13 53	0 43	20 22	0 17	6 30	2 23	24 11	0 30	3 40	2 2	35 36	14 27	4 3	4 15	0 49		n.a.
F 30	22 8	14 21	4 26	21 1	2 30	22 9	0 52	13 39	0 42	20 24	0 16	6 30	2 23	24 11	0 30	3 40	2 2	35 36	14 27	3 58	4 13	0 47		n.a.
S 31	21n58	11s23	3n50	21n20	2s12	22n21	0s49	13n24	0n42	20n26	0s16	6n31	2s24	24n11	0n30	3s40	2n 2	35s36	14s27	3s54	4s12	0s45		n.a.

Julian Day Number = 1117846.5, Delta T = 10h45m21s
Ecliptic obliquity = 23°53'05, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'09, Lahiri = -26°45'08 Julian Calendar 1 July 1653 BCE == Greg. Calendar 17 June 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

AUGUST 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 41 47	23♋27'38	2♓21	9°R26	17♊20	27♌38	1♊ 1	22♈ 4	7♋ 7	13♎48	25°R24	9°R32	10♎22	25♓ 9	n.a.	S 1
M 2	19 45 43	24°26'10	14°17	9°D24	18°31	28°19	1°12	22° 6	7°11	13°49	25♑23	9♎27	10°19	25°16	n.a.	M 2
T 3	19 49 40	25°24'45	26° 7	9♋31	19°43	29° 0	1°22	22° 8	7°15	13°50	25°21	9°24	10°16	25°22	n.a.	T 3
W 4	19 53 36	26°23'21	7♈54	9°48	20°54	29°40	1°32	22° 9	7°18	13°50	25°20	9°D23	10°13	25°29	n.a.	W 4
T 5	19 57 33	27°22'01	19°44	10°14	22° 5	0♍21	1°43	22°11	7°22	13°51	25°19	9°23	10° 9	25°36	n.a.	T 5
F 6	20 1 30	28°20'42	1♉41	10°49	23°17	1° 2	1°53	22°13	7°25	13°52	25°18	9°R23	10° 6	25°42	n.a.	F 6
S 7	20 5 26	29°19'26	13°53	11°32	24°29	1°43	2° 3	22°14	7°29	13°53	25°16	9°22	10° 3	25°49	n.a.	S 7
S 8	20 9 23	0♌18'13	26°22	12°24	25°41	2°24	2°13	22°15	7°33	13°54	25°15	9°20	10° 0	25°56	n.a.	S 8
M 9	20 13 19	1°17'01	9♊15	13°24	26°53	3° 5	2°22	22°17	7°36	13°55	25°14	9°14	9°57	26° 2	n.a.	M 9
T 10	20 17 16	2°15'53	22°33	14°30	28° 5	3°47	2°32	22°18	7°40	13°56	25°13	9° 7	9°54	26° 9	n.a.	T 10
W11	20 21 12	3°14'46	6♋18	15°44	29°17	4°28	2°41	22°19	7°43	13°57	25°11	8°57	9°50	26°15	n.a.	W11
T 12	20 25 9	4°13'42	20°28	17° 3	0♋29	5° 9	2°51	22°20	7°47	13°58	25°10	8°47	9°47	26°22	n.a.	T 12
F 13	20 29 5	5°12'41	4♌57	18°27	1°41	5°50	3° 0	22°20	7°50	13°59	25° 9	8°37	9°44	26°29	n.a.	F 13
S 14	20 33 2	6°11'41	19°40	19°56	2°54	6°32	3° 9	22°21	7°54	14° 0	25° 8	8°28	9°41	26°35	n.a.	S 14
S 15	20 36 58	7°10'43	4♍28	21°28	4° 6	7°13	3°19	22°22	7°57	14° 1	25° 6	8°21	9°38	26°42	n.a.	S 15
M16	20 40 55	8° 9'48	19°14	23° 4	5°19	7°55	3°27	22°22	8° 0	14° 2	25° 5	8°18	9°35	26°49	n.a.	M16
T 17	20 44 52	9° 8'54	3♎50	24°43	6°31	8°37	3°36	22°22	8° 4	14° 3	25° 4	8°D16	9°31	26°55	n.a.	T 17
W18	20 48 48	10° 8'02	18°14	26°25	7°44	9°18	3°45	22°23	8° 7	14° 5	25° 3	8°16	9°28	27° 2	n.a.	W18
T 19	20 52 45	11° 7'13	2♏21	28° 8	8°57	10° 0	3°54	22°R23	8°10	14° 6	25° 2	8°17	9°25	27° 9	n.a.	T 19
F 20	20 56 41	12° 6'25	16°12	29°52	10° 9	10°42	4° 2	22°23	8°14	14° 7	25° 0	8°R17	9°22	27°15	n.a.	F 20
S 21	21 0 38	13° 5'39	29°48	1♌38	11°22	11°24	4°10	22°22	8°17	14° 8	24°59	8°16	9°19	27°22	n.a.	S 21
S 22	21 4 34	14° 4'55	13♐ 8	3°24	12°35	12° 6	4°19	22°22	8°20	14°10	24°58	8°12	9°15	27°29	n.a.	S 22
M23	21 8 31	15° 4'13	26°14	5°11	13°48	12°48	4°27	22°22	8°23	14°11	24°57	8° 6	9°12	27°35	n.a.	M23
T 24	21 12 27	16° 3'33	9♑ 7	6°59	15° 2	13°30	4°35	22°21	8°27	14°12	24°56	7°59	9° 9	27°42	n.a.	T 24
W25	21 16 24	17° 2'55	21°49	8°46	16°15	14°12	4°43	22°21	8°30	14°14	24°55	7°49	9° 6	27°49	n.a.	W25
T 26	21 20 20	18° 2'19	4♒18	10°33	17°28	14°54	4°50	22°20	8°33	14°15	24°53	7°40	9° 3	27°55	n.a.	T 26
F 27	21 24 17	19° 1'45	16°36	12°20	18°41	15°37	4°58	22°19	8°36	14°17	24°52	7°31	9° 0	28° 2	n.a.	F 27
S 28	21 28 14	20° 1'13	28°45	14° 7	19°55	16°19	5° 5	22°19	8°39	14°18	24°51	7°24	8°56	28° 9	n.a.	S 28
S 29	21 32 10	21° 0'44	10♓44	15°53	21° 8	17° 1	5°13	22°17	8°42	14°20	24°50	7°18	8°53	28°15	n.a.	S 29
M30	21 36 7	22° 0'17	22°36	17°39	22°22	17°44	5°20	22°16	8°45	14°21	24°49	7°15	8°50	28°22	n.a.	M30
T 31	21 40 3	22♌59'52	4♈23	19♌24	23♋36	18♍26	5♊27	22♈15	8♋48	14♎23	24♑48	7°D13	8♎47	28♓28	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	21n48	7s59	3n 3	21n40	1s53	22n31	0s45	13n 9	0n41	20n29	0s16	6n32	2s24	24n11	0n30	3s41	2n 2	35s37	14s27	3s51	4s11	0s43			n.a.
M 2	21 38	4 19	2 9	21 58	1 35	22 41	0 42	12 54	0 40	20 31	0 16	6 32	2 24	24 11	0 30	3 41	2 2	35 37	14 27	3 49	4 10	0 41			n.a.
T 3	21 27	0 30	1 10	22 16	1 16	22 50	0 39	12 39	0 39	20 33	0 16	6 33	2 24	24 10	0 30	3 41	2 2	35 37	14 27	3 47	4 8	0 40			n.a.
W 4	21 16	3n19	0 8	22 33	0 58	22 59	0 35	12 24	0 39	20 35	0 16	6 33	2 25	24 10	0 30	3 42	2 2	35 38	14 27	3 47	4 7	0 38			n.a.
T 5	21 4	7 1	0s55	22 48	0 41	23 7	0 32	12 9	0 38	20 38	0 16	6 34	2 25	24 10	0 30	3 42	2 1	35 38	14 27	3 47	4 6	0 36			n.a.
F 6	20 53	10 28	1 56	23 2	0 24	23 14	0 29	11 53	0 37	20 40	0 16	6 34	2 25	24 10	0 30	3 43	2 1	35 38	14 27	3 47	4 4	0 34			n.a.
S 7	20 40	13 33	2 53	23 15	0 8	23 21	0 25	11 38	0 37	20 42	0 16	6 34	2 25	24 10	0 30	3 43	2 1	35 38	14 27	3 47	4 3	0 32			n.a.
S 8	20 28	16 5	3 43	23 25	0n 7	23 27	0 22	11 22	0 36	20 44	0 16	6 35	2 25	24 10	0 30	3 43	2 1	35 39	14 27	3 46	4 2	0 30			n.a.
M 9	20 15	17 54	4 24	23 33	0 22	23 32	0 19	11 7	0 35	20 46	0 16	6 35	2 26	24 9	0 30	3 44	2 1	35 39	14 27	3 44	4 1	0 28			n.a.
T 10	20 1	18 49	4 51	23 39	0 35	23 37	0 16	10 51	0 35	20 48	0 16	6 35	2 26	24 9	0 30	3 44	2 1	35 39	14 27	3 41	3 59	0 26			n.a.
W11	19 48	18 41	5 3	23 43	0 47	23 41	0 12	10 35	0 34	20 50	0 15	6 35	2 26	24 9	0 30	3 45	2 1	35 39	14 27	3 37	3 58	0 24			n.a.
T 12	19 33	17 24	4 57	23 44	0 58	23 44	0 9	10 19	0 33	20 52	0 15	6 35	2 26	24 9	0 30	3 45	2 1	35 40	14 27	3 33	3 57	0 22			n.a.
F 13	19 19	14 58	4 33	23 43	1 8	23 47	0 6	10 3	0 33	20 54	0 15	6 35	2 27	24 9	0 30	3 46	2 1	35 40	14 27	3 28	3 56	0 21			n.a.
S 14	19 4	11 34	3 49	23 39	1 17	23 48	0 3	9 46	0 32	20 56	0 15	6 35	2 27	24 8	0 30	3 46	2 1	35 40	14 27	3 25	3 54	0 19			n.a.
S 15	18 49	7 25	2 50	23 32	1 25	23 50	0n 0	9 30	0 31	20 58	0 15	6 35	2 27	24 8	0 30	3 47	2 1	35 40	14 27	3 22	3 53	0 17			n.a.
M16	18 34	2 49	1 40	23 22	1 32	23 50	0 4	9 14	0 31	20 59	0 15	6 35	2 27	24 8	0 30	3 47	2 1	35 40	14 27	3 21	3 52	0 15			n.a.
T 17	18 18	1s55	0 24	23 10	1 37	23 50	0 7	8 57	0 30	21 1	0 15	6 35	2 28	24 8	0 30	3 48	2 1	35 41	14 27	3 20	3 50	0 13			n.a.
W18	18 2	6 28	0n53	22 56	1 42	23 49	0 10	8 41	0 29	21 3	0 15	6 35	2 28	24 8	0 30	3 48	2 1	35 41	14 27	3 20	3 49	0 11			n.a.
T 19	17 46	10 33	2 6	22 39	1 46	23 47	0 13	8 24	0 29	21 5	0 15	6 35	2 28	24 7	0 30	3 49	2 1	35 41	14 26	3 21	3 48	0 9			n.a.
F 20	17 29	13 59	3 9	22 20	1 49	23 45	0 16	8 7	0 28	21 6	0 15	6 35	2 28	24 7	0 30	3 49	2 1	35 41	14 26	3 21	3 47	0 7			n.a.
S 21	17 12	16 34	4 1	21 58	1 51	23 42	0 19	7 50	0 27	21 8	0 15	6 35	2 28	24 7	0 30	3 50	2 0	35 41	14 26	3 20	3 45	0 5			n.a.
S 22	16 55	18 12	4 38	21 34	1 52	23 38	0 22	7 33	0 27	21 10	0 15	6 34	2 29	24 7	0 30	3 50	2 0	35 42	14 26	3 19	3 44	0 3			n.a.
M23	16 37	18 50	5 0	21 9	1 53	23 34	0 25	7 16	0 26	21 11	0 15	6 34	2 29	24 7	0 30	3 51	2 0	35 42	14 26	3 16	3 43	0 2			n.a.
T 24	16 19	18 28	5 7	20 41	1 53	23 28	0 27	6 59	0 25	21 13	0 14	6 34	2 29	24 7	0 30	3 52	2 0	35 42	14 26	3 13	3 42	0n 0			n.a.
W25	16 1	17 11	4 58	20 12	1 52	23 23	0 30	6 42	0 24	21 14	0 14	6 33	2 29	24 6	0 30	3 52	2 0	35 42	14 26	3 10	3 40	0 2			n.a.
T 26	15 42	15 6	4 35	19 42	1 51	23 16	0 33	6 25	0 24	21 16	0 14	6 33	2 29	24 6	0 30	3 53	2 0	35 42	14 26	3 6	3 39	0 4			n.a.
F 27	15 24	12 21	3 59	19 10	1 49	23 9	0 36	6 8	0 23	21 17	0 14	6 32	2 30	24 6	0 30	3 53	2 0	35 42	14 26	3 2	3 38	0 6			n.a.
S 28	15 5	9 7	3 13	18 36	1 47	23 0	0 38	5 50	0 22	21 19	0 14	6 32	2 30	24 6	0 30	3 54	2 0	35 42	14 26	2 59	3 36	0 8			n.a.
S 29	14 45	5 33	2 19	18 1	1 44	22 52	0 41	5 33	0 22	21 20	0 14	6 31	2 30	24 6	0 30	3 55	2 0	35 42	14 25	2 57	3 35	0 10			n.a.
M30	14 26	1 48	1 19	17 26	1 41	22 42	0 43	5 15	0 21	21 22	0 14	6 30	2 30	24 5	0 30	3 55	2 0	35 43	14 25	2 56	3 34	0 12			n.a.
T 31	14n 6	2n 1	0n15	16n49	1n37	22n32	0n46	4n58	0n20	21n23	0s14	6n30	2s31	24n 5	0n30	3s56	2n 0	35s43	14s25	2s55	3s33	0n14			n.a.

Julian Day Number = 1117877.5, Delta T = 10h45m19s
Ecliptic obliquity = 23°53'05, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'05, Lahiri = -26°45'04 Julian Calendar 1 Aug. 1653 BCE == Greg. Calendar 18 July 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

SEPTEMBER 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 44 0	23♌59'29	16♈ 9	21♌ 9	24♋49	19♍ 9	5♊34	22°R14	8♋51	14♎24	24°R47	7♎14	8♎44	28♓35	n.a.	W 1
T 2	21 47 56	24°59'09	27°58	22°53	26° 3	19°52	5°40	22♈12	8°54	14°26	24♑46	7°15	8°41	28°42	n.a.	T 2
F 3	21 51 53	25°58'51	9♉55	24°36	27°17	20°34	5°47	22°11	8°57	14°28	24°45	7°17	8°37	28°48	n.a.	F 3
S 4	21 55 49	26°58'36	22° 4	26°19	28°31	21°17	5°53	22° 9	9° 0	14°29	24°44	7°R18	8°34	28°55	n.a.	S 4
S 5	21 59 46	27°58'23	4♊31	28° 1	29°45	22° 0	5°59	22° 7	9° 2	14°31	24°43	7°18	8°31	29° 2	n.a.	S 5
M 6	22 3 42	28°58'13	17°20	29°43	0♌59	22°43	6° 6	22° 5	9° 5	14°33	24°42	7°16	8°28	29° 8	n.a.	M 6
T 7	22 7 39	29°58'05	0♋35	1♍24	2°13	23°26	6°11	22° 3	9° 8	14°34	24°41	7°13	8°25	29°15	n.a.	T 7
W 8	22 11 36	0♍57'59	14°18	3° 4	3°27	24° 9	6°17	22° 1	9°11	14°36	24°40	7° 8	8°21	29°22	n.a.	W 8
T 9	22 15 32	1°57'56	28°29	4°44	4°41	24°52	6°23	21°59	9°13	14°38	24°39	7° 3	8°18	29°28	n.a.	T 9
F 10	22 19 29	2°57'55	13♌ 5	6°23	5°56	25°35	6°28	21°57	9°16	14°40	24°38	6°57	8°15	29°35	n.a.	F 10
S 11	22 23 25	3°57'56	28° 1	8° 1	7°10	26°18	6°34	21°54	9°18	14°41	24°37	6°53	8°12	29°42	n.a.	S 11
S 12	22 27 22	4°57'59	13♍ 6	9°39	8°24	27° 2	6°39	21°52	9°21	14°43	24°36	6°49	8° 9	29°48	n.a.	S 12
M13	22 31 18	5°58'04	28°13	11°16	9°39	27°45	6°44	21°49	9°23	14°45	24°35	6°48	8° 6	29°55	n.a.	M13
T 14	22 35 15	6°58'12	13♎12	12°53	10°53	28°29	6°48	21°47	9°26	14°47	24°34	6°D47	8° 2	0♈ 1	n.a.	T 14
W15	22 39 11	7°58'20	27°55	14°29	12° 8	29°12	6°53	21°44	9°28	14°49	24°33	6°48	7°59	0° 8	n.a.	W15
T 16	22 43 8	8°58'31	12♏19	16° 5	13°22	29°56	6°57	21°41	9°31	14°51	24°33	6°50	7°56	0°15	n.a.	T 16
F 17	22 47 4	9°58'44	26°19	17°40	14°37	0♎39	7° 2	21°38	9°33	14°53	24°32	6°51	7°53	0°21	n.a.	F 17
S 18	22 51 1	10°58'58	9♐57	19°15	15°51	1°23	7° 6	21°35	9°35	14°55	24°31	6°R52	7°50	0°28	n.a.	S 18
S 19	22 54 58	11°59'14	23°13	20°49	17° 6	2° 7	7°10	21°32	9°37	14°57	24°30	6°51	7°46	0°35	n.a.	S 19
M20	22 58 54	12°59'31	6♑10	22°23	18°21	2°50	7°13	21°28	9°40	14°59	24°29	6°50	7°43	0°41	n.a.	M20
T 21	23 2 51	13°59'50	18°50	23°56	19°36	3°34	7°17	21°25	9°42	15° 1	24°29	6°47	7°40	0°48	n.a.	T 21
W22	23 6 47	15° 0'11	1♒16	25°29	20°51	4°18	7°20	21°22	9°44	15° 3	24°28	6°44	7°37	0°55	n.a.	W22
T 23	23 10 44	16° 0'34	13°30	27° 1	22° 5	5° 2	7°23	21°18	9°46	15° 5	24°27	6°40	7°34	1° 1	n.a.	T 23
F 24	23 14 40	17° 0'58	25°35	28°33	23°20	5°46	7°26	21°14	9°48	15° 7	24°27	6°37	7°31	1° 8	n.a.	F 24
S 25	23 18 37	18° 1'23	7♓32	0♎ 5	24°35	6°30	7°29	21°11	9°50	15° 9	24°26	6°34	7°27	1°15	n.a.	S 25
S 26	23 22 33	19° 1'51	19°24	1°36	25°50	7°14	7°32	21° 7	9°52	15°11	24°25	6°32	7°24	1°21	n.a.	S 26
M27	23 26 30	20° 2'20	1♈13	3° 6	27° 5	7°58	7°34	21° 3	9°53	15°13	24°25	6°D31	7°21	1°28	n.a.	M27
T 28	23 30 27	21° 2'51	13° 0	4°37	28°20	8°43	7°36	20°59	9°55	15°15	24°24	6°31	7°18	1°35	n.a.	T 28
W29	23 34 23	22° 3'24	24°48	6° 7	29°35	9°27	7°38	20°55	9°57	15°17	24°23	6°32	7°15	1°41	n.a.	W29
T 30	23 38 20	23♍ 3'59	6♉41	7♎36	0♍50	10♎11	7♊40	20♈51	9♋59	15♎19	24♑23	6♎33	7♎12	1♈48	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13n46	5n44	0s48	16n11	1n33	22n21	0n48	4n40	0n20	21n24	0s14	6n29	2s31	24n 5	0n30	3s57	2n 0	35s43	14s25	2s55	3s31	0n15		n.a.
T 2	13 26	9 14	1 51	15 33	1 29	22 10	0 51	4 23	0 19	21 26	0 14	6 28	2 31	24 5	0 30	3 57	2 0	35 43	14 25	2 56	3 30	0 17		n.a.
F 3	13 6	12 24	2 49	14 53	1 25	21 58	0 53	4 5	0 18	21 27	0 14	6 28	2 31	24 5	0 30	3 58	2 0	35 43	14 25	2 56	3 29	0 19		n.a.
S 4	12 45	15 5	3 40	14 13	1 20	21 45	0 55	3 47	0 18	21 28	0 13	6 27	2 31	24 5	0 30	3 59	2 0	35 43	14 25	2 57	3 28	0 21		n.a.
S 5	12 24	17 8	4 23	13 33	1 15	21 31	0 58	3 29	0 17	21 29	0 13	6 26	2 32	24 4	0 30	4 0	2 0	35 43	14 24	2 57	3 26	0 23		n.a.
M 6	12 3	18 24	4 53	12 52	1 10	21 17	1 0	3 11	0 16	21 30	0 13	6 25	2 32	24 4	0 30	4 0	2 0	35 43	14 24	2 56	3 25	0 25		n.a.
T 7	11 41	18 43	5 10	12 10	1 4	21 2	1 2	2 53	0 15	21 32	0 13	6 24	2 32	24 4	0 30	4 1	2 0	35 43	14 24	2 55	3 24	0 27		n.a.
W 8	11 20	17 58	5 10	11 28	0 58	20 47	1 4	2 35	0 15	21 33	0 13	6 23	2 32	24 4	0 30	4 2	1 59	35 43	14 24	2 53	3 22	0 29		n.a.
T 9	10 58	16 6	4 51	10 46	0 53	20 31	1 6	2 17	0 14	21 34	0 13	6 22	2 32	24 4	0 30	4 2	1 59	35 43	14 24	2 51	3 21	0 31		n.a.
F 10	10 36	13 10	4 13	10 3	0 47	20 14	1 8	1 59	0 13	21 35	0 13	6 21	2 33	24 4	0 30	4 3	1 59	35 43	14 24	2 49	3 20	0 33		n.a.
S 11	10 14	9 19	3 17	9 20	0 40	19 57	1 10	1 41	0 13	21 36	0 13	6 20	2 33	24 4	0 31	4 4	1 59	35 43	14 23	2 47	3 19	0 34		n.a.
S 12	9 52	4 49	2 6	8 37	0 34	19 39	1 11	1 23	0 12	21 37	0 13	6 19	2 33	24 3	0 31	4 5	1 59	35 43	14 23	2 45	3 17	0 36		n.a.
M13	9 29	0 0	0 47	7 54	0 28	19 20	1 13	1 5	0 11	21 38	0 13	6 18	2 33	24 3	0 31	4 5	1 59	35 43	14 23	2 45	3 16	0 38		n.a.
T 14	9 7	4s46	0n35	7 11	0 22	19 1	1 15	0 47	0 11	21 39	0 13	6 17	2 33	24 3	0 31	4 6	1 59	35 43	14 23	2 45	3 15	0 40		n.a.
W15	8 44	9 10	1 54	6 27	0 15	18 42	1 16	0 28	0 10	21 39	0 12	6 15	2 33	24 3	0 31	4 7	1 59	35 43	14 23	2 45	3 13	0 42		n.a.
T 16	8 21	12 55	3 3	5 43	0 9	18 22	1 18	0 10	0 9	21 40	0 12	6 14	2 34	24 3	0 31	4 8	1 59	35 43	14 22	2 46	3 12	0 44		n.a.
F 17	7 58	15 48	4 0	5 0	0 2	18 1	1 19	0s 8	0 9	21 41	0 12	6 13	2 34	24 3	0 31	4 9	1 59	35 43	14 22	2 46	3 11	0 46		n.a.
S 18	7 35	17 43	4 41	4 16	0s 5	17 40	1 21	0 26	0 8	21 42	0 12	6 12	2 34	24 3	0 31	4 9	1 59	35 43	14 22	2 46	3 10	0 48		n.a.
S 19	7 12	18 37	5 6	3 32	0 11	17 18	1 22	0 45	0 7	21 43	0 12	6 10	2 34	24 2	0 31	4 10	1 59	35 43	14 22	2 46	3 8	0 50		n.a.
M20	6 48	18 30	5 15	2 48	0 18	16 56	1 23	1 3	0 6	21 43	0 12	6 9	2 34	24 2	0 31	4 11	1 59	35 43	14 22	2 46	3 7	0 51		n.a.
T 21	6 25	17 27	5 8	2 5	0 24	16 33	1 24	1 21	0 6	21 44	0 12	6 7	2 34	24 2	0 31	4 12	1 59	35 43	14 21	2 45	3 6	0 53		n.a.
W22	6 1	15 35	4 47	1 21	0 31	16 10	1 25	1 40	0 5	21 45	0 12	6 6	2 34	24 2	0 31	4 13	1 59	35 43	14 21	2 43	3 5	0 55		n.a.
T 23	5 37	13 3	4 13	0 38	0 38	15 46	1 26	1 58	0 4	21 45	0 12	6 5	2 35	24 2	0 31	4 13	1 59	35 42	14 21	2 42	3 3	0 57		n.a.
F 24	5 13	9 59	3 28	0s 5	0 44	15 22	1 27	2 17	0 4	21 46	0 12	6 3	2 35	24 2	0 31	4 14	1 59	35 42	14 21	2 40	3 2	0 59		n.a.
S 25	4 49	6 32	2 34	0 48	0 51	14 57	1 28	2 35	0 3	21 47	0 12	6 2	2 35	24 2	0 31	4 15	1 59	35 42	14 20	2 39	3 1	1 1		n.a.
S 26	4 25	2 50	1 33	1 31	0 57	14 32	1 29	2 53	0 2	21 47	0 11	6 0	2 35	24 2	0 31	4 16	1 59	35 42	14 20	2 39	2 59	1 3		n.a.
M27	4 1	0n56	0 29	2 13	1 3	14 7	1 30	3 12	0 2	21 48	0 11	5 58	2 35	24 1	0 31	4 17	1 59	35 42	14 20	2 38	2 58	1 5		n.a.
T 28	3 37	4 41	0s36	2 56	1 10	13 41	1 30	3 30	0 1	21 48	0 11	5 57	2 35	24 1	0 31	4 18	1 59	35 42	14 20	2 38	2 57	1 6		n.a.
W29	3 12	8 14	1 40	3 38	1 16	13 15	1 31	3 48	0 0	21 48	0 11	5 55	2 35	24 1	0 31	4 18	1 59	35 42	14 19	2 39	2 56	1 8		n.a.
T 30	2n48	11n29	2s40	4s19	1s22	12n48	1n32	4s 7	0s 0	21n49	0s11	5n54	2s35	24n 1	0n31	4s19	1n59	35s42	14s19	2s39	2s54	1n10		n.a.

Julian Day Number = 1117908.5, Delta T = 10h45m17s
Ecliptic obliquity = 23°53'06, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°52'00, Lahiri = -26°45'00 Julian Calendar 1 Sept. 1653 BCE == Greg. Calendar 18 Aug. 1653 BCE

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

OCTOBER 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 42 16	24♍ 4'36	18♉40	9♎ 5	2♍ 5	10♎56	7♊42	20°R47	10♋ 0	15♎21	24°R22	6♎35	7♎ 8	1♈54	n.a.	F 1
S 2	23 46 13	25° 5'15	0♊50	10°34	3°21	11°40	7°43	20♈43	10° 2	15°23	24♑22	6°36	7° 5	2° 1	n.a.	S 2
S 3	23 50 9	26° 5'55	13°16	12° 2	4°36	12°25	7°45	20°39	10° 3	15°26	24°21	6°37	7° 2	2° 8	n.a.	S 3
M 4	23 54 6	27° 6'38	26° 0	13°30	5°51	13° 9	7°46	20°34	10° 5	15°28	24°21	6°R37	6°59	2°14	n.a.	M 4
T 5	23 58 2	28° 7'22	9♋ 8	14°57	7° 6	13°54	7°47	20°30	10° 6	15°30	24°20	6°37	6°56	2°21	n.a.	T 5
W 6	0 1 59	29° 8'09	22°41	16°24	8°22	14°38	7°47	20°26	10° 8	15°32	24°20	6°36	6°52	2°28	n.a.	W 6
T 7	0 5 55	0♎ 8'57	6♌41	17°50	9°37	15°23	7°48	20°21	10° 9	15°34	24°20	6°35	6°49	2°34	n.a.	T 7
F 8	0 9 52	1° 9'46	21° 8	19°15	10°52	16° 8	7°48	20°17	10°10	15°36	24°19	6°35	6°46	2°41	n.a.	F 8
S 9	0 13 49	2°10'38	5♍58	20°40	12° 8	16°53	7°R48	20°12	10°12	15°39	24°19	6°34	6°43	2°48	n.a.	S 9
S 10	0 17 45	3°11'31	21° 4	22° 3	13°23	17°38	7°48	20° 7	10°13	15°41	24°19	6°34	6°40	2°54	n.a.	S 10
M11	0 21 42	4°12'25	6♎17	23°26	14°38	18°23	7°48	20° 3	10°14	15°43	24°18	6°D34	6°37	3° 1	n.a.	M11
T 12	0 25 38	5°13'21	21°29	24°48	15°54	19° 8	7°47	19°58	10°15	15°45	24°18	6°34	6°33	3° 8	n.a.	T 12
W13	0 29 35	6°14'18	6♏29	26° 8	17° 9	19°53	7°46	19°53	10°16	15°48	24°18	6°R34	6°30	3°14	n.a.	W13
T 14	0 33 31	7°15'16	21°10	27°27	18°25	20°38	7°45	19°48	10°17	15°50	24°18	6°34	6°27	3°21	n.a.	T 14
F 15	0 37 28	8°16'16	5♐26	28°44	19°40	21°23	7°44	19°44	10°18	15°52	24°17	6°34	6°24	3°28	n.a.	F 15
S 16	0 41 24	9°17'16	19°15	29°59	20°56	22° 8	7°43	19°39	10°19	15°54	24°17	6°34	6°21	3°34	n.a.	S 16
S 17	0 45 21	10°18'17	2♑37	1♏13	22°11	22°54	7°41	19°34	10°19	15°57	24°17	6°33	6°17	3°41	n.a.	S 17
M18	0 49 18	11°19'19	15°35	2°24	23°27	23°39	7°40	19°29	10°20	15°59	24°17	6°D33	6°14	3°47	n.a.	M18
T 19	0 53 14	12°20'22	28°11	3°33	24°42	24°24	7°38	19°24	10°21	16° 1	24°17	6°34	6°11	3°54	n.a.	T 19
W20	0 57 11	13°21'26	10♒30	4°38	25°58	25°10	7°36	19°19	10°21	16° 3	24°17	6°34	6° 8	4° 1	n.a.	W20
T 21	1 1 7	14°22'30	22°36	5°39	27°13	25°55	7°33	19°14	10°22	16° 6	24°17	6°35	6° 5	4° 7	n.a.	T 21
F 22	1 5 4	15°23'36	4♓32	6°36	28°29	26°41	7°31	19° 9	10°22	16° 8	24°17	6°36	6° 2	4°14	n.a.	F 22
S 23	1 9 0	16°24'42	16°22	7°29	29°44	27°26	7°28	19° 4	10°23	16°10	24°D17	6°37	5°58	4°21	n.a.	S 23
S 24	1 12 57	17°25'49	28°10	8°16	1♎ 0	28°12	7°25	18°59	10°23	16°12	24°17	6°37	5°55	4°27	n.a.	S 24
M25	1 16 53	18°26'56	9♈58	8°57	2°15	28°57	7°22	18°54	10°24	16°15	24°17	6°R38	5°52	4°34	n.a.	M25
T 26	1 20 50	19°28'05	21°48	9°31	3°31	29°43	7°19	18°49	10°24	16°17	24°17	6°37	5°49	4°41	n.a.	T 26
W27	1 24 47	20°29'15	3♉42	9°57	4°46	0♏29	7°15	18°44	10°24	16°19	24°17	6°36	5°46	4°47	n.a.	W27
T 28	1 28 43	21°30'25	15°43	10°15	6° 2	1°14	7°12	18°39	10°24	16°21	24°17	6°34	5°43	4°54	n.a.	T 28
F 29	1 32 40	22°31'36	27°52	10°R23	7°17	2° 0	7° 8	18°34	10°24	16°24	24°17	6°31	5°39	5° 1	n.a.	F 29
S 30	1 36 36	23°32'48	10♊11	10°21	8°33	2°46	7° 4	18°29	10°R24	16°26	24°17	6°29	5°36	5° 7	n.a.	S 30
S 31	1 40 33	24♎34'01	22♊43	10♏ 8	9♎49	3♏32	7♊ 0	18♈24	10♋24	16♎28	24♑17	6♎26	5♎33	5♈14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n24	14n17	3s33	5s 1	1s28	12n21	1n32	4s25	0s 1	21n49	0s11	5n52	2s35	24n 1	0n31	4s20	1n59	35s41	14s19	2s40	2s53	1n12		n.a.
S 2	1 59	16 30	4 18	5 41	1 34	11 54	1 32	4 44	0 2	21 50	0 11	5 50	2 36	24 1	0 31	4 21	1 59	35 41	14 18	2 40	2 52	1 14		n.a.
S 3	1 35	17 59	4 52	6 22	1 39	11 26	1 33	5 2	0 3	21 50	0 11	5 49	2 36	24 1	0 31	4 22	1 59	35 41	14 18	2 40	2 51	1 16		n.a.
M 4	1 10	18 37	5 13	7 2	1 45	10 58	1 33	5 20	0 3	21 50	0 11	5 47	2 36	24 1	0 31	4 23	1 59	35 41	14 18	2 40	2 49	1 18		n.a.
T 5	0 46	18 17	5 18	7 41	1 50	10 30	1 33	5 38	0 4	21 50	0 10	5 45	2 36	24 1	0 31	4 24	1 58	35 41	14 18	2 40	2 48	1 20		n.a.
W 6	0 21	16 55	5 6	8 20	1 55	10 1	1 33	5 57	0 5	21 51	0 10	5 43	2 36	24 1	0 31	4 25	1 58	35 41	14 17	2 40	2 47	1 22		n.a.
T 7	0s 4	14 30	4 35	8 58	2 0	9 32	1 33	6 15	0 5	21 51	0 10	5 42	2 36	24 1	0 31	4 25	1 58	35 40	14 17	2 40	2 45	1 23		n.a.
F 8	0 28	11 8	3 47	9 35	2 4	9 3	1 33	6 33	0 6	21 51	0 10	5 40	2 36	24 1	0 31	4 26	1 58	35 40	14 17	2 40	2 44	1 25		n.a.
S 9	0 53	6 59	2 42	10 12	2 9	8 34	1 33	6 51	0 7	21 51	0 10	5 38	2 36	24 0	0 31	4 27	1 58	35 40	14 17	2 39	2 43	1 27		n.a.
S 10	1 18	2 18	1 25	10 47	2 13	8 4	1 33	7 9	0 7	21 51	0 10	5 36	2 36	24 0	0 32	4 28	1 58	35 40	14 16	2 39	2 42	1 29		n.a.
M11	1 42	2s34	0 2	11 22	2 16	7 34	1 32	7 27	0 8	21 51	0 10	5 34	2 36	24 0	0 32	4 29	1 58	35 39	14 16	2 39	2 40	1 31		n.a.
T 12	2 7	7 16	1n22	11 56	2 19	7 4	1 32	7 45	0 9	21 51	0 10	5 33	2 36	24 0	0 32	4 30	1 58	35 39	14 16	2 39	2 39	1 33		n.a.
W13	2 31	11 26	2 39	12 29	2 22	6 34	1 32	8 3	0 9	21 51	0 10	5 31	2 36	24 0	0 32	4 31	1 58	35 39	14 15	2 39	2 38	1 35		n.a.
T 14	2 56	14 47	3 44	13 0	2 25	6 3	1 31	8 21	0 10	21 51	0 9	5 29	2 36	24 0	0 32	4 32	1 58	35 39	14 15	2 39	2 36	1 37		n.a.
F 15	3 20	17 8	4 33	13 30	2 27	5 33	1 31	8 39	0 11	21 51	0 9	5 27	2 36	24 0	0 32	4 32	1 58	35 39	14 15	2 39	2 35	1 38		n.a.
S 16	3 45	18 23	5 4	13 59	2 28	5 2	1 30	8 57	0 11	21 51	0 9	5 25	2 36	24 0	0 32	4 33	1 58	35 38	14 14	2 39	2 34	1 40		n.a.
S 17	4 9	18 34	5 18	14 26	2 29	4 31	1 29	9 15	0 12	21 51	0 9	5 23	2 36	24 0	0 32	4 34	1 58	35 38	14 14	2 39	2 33	1 42		n.a.
M18	4 34	17 45	5 14	14 52	2 29	4 0	1 28	9 33	0 13	21 51	0 9	5 21	2 36	24 0	0 32	4 35	1 58	35 38	14 14	2 39	2 31	1 44		n.a.
T 19	4 58	16 5	4 56	15 15	2 29	3 29	1 28	9 50	0 13	21 51	0 9	5 20	2 36	24 0	0 32	4 36	1 58	35 37	14 14	2 39	2 30	1 46		n.a.
W20	5 22	13 42	4 24	15 37	2 28	2 57	1 27	10 8	0 14	21 50	0 9	5 18	2 36	24 0	0 32	4 37	1 58	35 37	14 13	2 39	2 29	1 48		n.a.
T 21	5 46	10 45	3 41	15 56	2 26	2 26	1 26	10 25	0 15	21 50	0 9	5 16	2 36	24 0	0 32	4 38	1 58	35 37	14 13	2 40	2 27	1 50		n.a.
F 22	6 10	7 24	2 49	16 13	2 23	1 55	1 25	10 43	0 15	21 50	0 9	5 14	2 36	24 0	0 32	4 39	1 58	35 37	14 13	2 40	2 26	1 52		n.a.
S 23	6 34	3 47	1 50	16 27	2 19	1 23	1 24	11 0	0 16	21 49	0 8	5 12	2 36	24 0	0 32	4 40	1 58	35 36	14 12	2 40	2 25	1 54		n.a.
S 24	6 58	0 2	0 47	16 38	2 14	0 51	1 23	11 17	0 17	21 49	0 8	5 10	2 36	24 0	0 32	4 40	1 58	35 36	14 12	2 41	2 24	1 55		n.a.
M25	7 22	3n44	0s19	16 46	2 8	0 20	1 21	11 35	0 17	21 49	0 8	5 8	2 36	24 0	0 32	4 41	1 58	35 36	14 12	2 41	2 22	1 57		n.a.
T 26	7 45	7 22	1 23	16 50	2 0	0s12	1 20	11 52	0 18	21 48	0 8	5 6	2 36	24 0	0 32	4 42	1 58	35 35	14 11	2 40	2 21	1 59		n.a.
W27	8 9	10 43	2 25	16 50	1 52	0 44	1 19	12 9	0 19	21 48	0 8	5 5	2 36	24 0	0 32	4 43	1 58	35 35	14 11	2 40	2 20	2 1		n.a.
T 28	8 32	13 39	3 20	16 46	1 42	1 15	1 17	12 25	0 19	21 47	0 8	5 3	2 36	24 0	0 32	4 44	1 58	35 35	14 11	2 39	2 18	2 3		n.a.
F 29	8 55	16 2	4 7	16 38	1 30	1 47	1 16	12 42	0 20	21 47	0 8	5 1	2 36	24 0	0 32	4 45	1 58	35 34	14 10	2 38	2 17	2 5		n.a.
S 30	9 19	17 43	4 44	16 25	1 17	2 19	1 15	12 59	0 21	21 46	0 7	4 59	2 36	24 0	0 32	4 46	1 58	35 34	14 10	2 37	2 16	2 7		n.a.
S 31	9s41	18n34	5s 7	16s 6	1s 2	2s50	1n13	13s16	0s21	21n46	0s 7	4n57	2s36	24n 0	0n32	4s47	1n58	35s34	14s10	2s36	2s15	2n 8		n.a.

Julian Day Number = 1117938.5, Delta T = 10h45m16s
Ecliptic obliquity = 23°53'06, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'56, Lahiri = -26°44'56 Julian Calendar 1 Oct. 1653 BCE == Greg. Calendar 17 Sept. 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

NOVEMBER 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 44 29	25♎35'15	5♋29	9°R44	11♐ 4	4♏18	6°R55	18°R19	10°R24	16♐30	24♑18	6°R24	5♎30	5♈20	n.a.	M 1
T 2	1 48 26	26°36'30	18°34	9♏ 8	12°20	5° 4	6♊51	18♈14	10♋24	16°33	24°18	6♎23	5°27	5°27	n.a.	T 2
W 3	1 52 23	27°37'46	1♌58	8°21	13°35	5°50	6°46	18° 9	10°24	16°35	24°18	6°D23	5°23	5°34	n.a.	W 3
T 4	1 56 19	28°39'02	15°45	7°23	14°51	6°36	6°41	18° 4	10°24	16°37	24°18	6°24	5°20	5°40	n.a.	T 4
F 5	2 0 16	29°40'20	29°54	6°16	16° 7	7°22	6°36	18° 0	10°24	16°39	24°19	6°25	5°17	5°47	n.a.	F 5
S 6	2 4 12	0♏41'38	14♍24	5° 1	17°22	8° 8	6°31	17°55	10°23	16°42	24°19	6°26	5°14	5°54	n.a.	S 6
S 7	2 8 9	1°42'56	29°13	3°41	18°38	8°54	6°25	17°50	10°23	16°44	24°20	6°R27	5°11	6° 0	n.a.	S 7
M 8	2 12 5	2°44'15	14♎14	2°19	19°53	9°41	6°20	17°45	10°22	16°46	24°20	6°27	5° 8	6° 7	n.a.	M 8
T 9	2 16 2	3°45'35	29°20	0°57	21° 9	10°27	6°14	17°41	10°22	16°48	24°20	6°26	5° 4	6°14	n.a.	T 9
W10	2 19 58	4°46'55	14♏21	29♎38	22°25	11°13	6° 8	17°36	10°21	16°50	24°21	6°23	5° 1	6°20	n.a.	W10
T 11	2 23 55	5°48'15	29° 9	28°24	23°40	12° 0	6° 2	17°31	10°21	16°53	24°21	6°19	4°58	6°27	n.a.	T 11
F 12	2 27 52	6°49'35	13♐35	27°18	24°56	12°46	5°56	17°27	10°20	16°55	24°22	6°14	4°55	6°34	n.a.	F 12
S 13	2 31 48	7°50'56	27°36	26°21	26°11	13°32	5°50	17°22	10°19	16°57	24°22	6° 9	4°52	6°40	n.a.	S 13
S 14	2 35 45	8°52'16	11♑ 8	25°34	27°27	14°19	5°43	17°18	10°18	16°59	24°23	6° 5	4°48	6°47	n.a.	S 14
M15	2 39 41	9°53'36	24°13	24°57	28°42	15° 5	5°37	17°13	10°18	17° 1	24°23	6° 3	4°45	6°54	n.a.	M15
T 16	2 43 38	10°54'55	6♒52	24°31	29°58	15°52	5°30	17° 9	10°17	17° 3	24°24	6°D 1	4°42	7° 0	n.a.	T 16
W17	2 47 34	11°56'15	19°12	24°15	1♏14	16°39	5°23	17° 5	10°16	17° 5	24°25	6° 2	4°39	7° 7	n.a.	W17
T 18	2 51 31	12°57'34	1♓15	24°D 9	2°29	17°25	5°16	17° 0	10°15	17° 7	24°25	6° 3	4°36	7°13	n.a.	T 18
F 19	2 55 28	13°58'52	13° 8	24°13	3°45	18°12	5° 9	16°56	10°14	17°10	24°26	6° 5	4°33	7°20	n.a.	F 19
S 20	2 59 24	15° 0'11	24°56	24°25	5° 0	18°58	5° 2	16°52	10°13	17°12	24°27	6° 6	4°29	7°27	n.a.	S 20
S 21	3 3 21	16° 1'28	6♈42	24°45	6°16	19°45	4°55	16°48	10°11	17°14	24°27	6°R 7	4°26	7°33	n.a.	S 21
M22	3 7 17	17° 2'46	18°31	25°13	7°31	20°32	4°48	16°44	10°10	17°16	24°28	6° 6	4°23	7°40	n.a.	M22
T 23	3 11 14	18° 4'03	0♉26	25°47	8°47	21°18	4°40	16°40	10° 9	17°18	24°29	6° 3	4°20	7°47	n.a.	T 23
W24	3 15 10	19° 5'20	12°30	26°26	10° 2	22° 5	4°33	16°36	10° 8	17°20	24°30	5°58	4°17	7°53	n.a.	W24
T 25	3 19 7	20° 6'36	24°43	27°11	11°18	22°52	4°25	16°33	10° 6	17°22	24°30	5°51	4°14	8° 0	n.a.	T 25
F 26	3 23 3	21° 7'52	7♊ 8	28° 0	12°33	23°39	4°18	16°29	10° 5	17°24	24°31	5°42	4°10	8° 7	n.a.	F 26
S 27	3 27 0	22° 9'08	19°44	28°54	13°48	24°26	4°10	16°25	10° 3	17°26	24°32	5°33	4° 7	8°13	n.a.	S 27
S 28	3 30 57	23°10'24	2♋32	29°51	15° 4	25°12	4° 2	16°22	10° 2	17°28	24°33	5°25	4° 4	8°20	n.a.	S 28
M29	3 34 53	24°11'39	15°32	0♏52	16°19	25°59	3°54	16°19	10° 0	17°29	24°34	5°17	4° 1	8°27	n.a.	M29
T 30	3 38 50	25♏12'54	28♋45	1♏56	17♏35	26♏46	3♊46	16♈15	9♋59	17♐31	24♑35	5♐12	3♐58	8♈33	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10s 4	18n30	5s16	15s43	0s46	3s22	1n12	13s32	0s22	21n45	0s 7	4n55	2s35	24n 0	0n32	4s47	1n58	35s33	14s10	2s35	2s13	2n10		n.a.
T 2	10 27	17 28	5 9	15 15	0 28	3 53	1 10	13 48	0 23	21 44	0 7	4 54	2 35	24 0	0 32	4 48	1 58	35 33	14 9	2 35	2 12	2 12		n.a.
W 3	10 49	15 27	4 45	14 42	0 9	4 25	1 8	14 5	0 23	21 44	0 7	4 52	2 35	24 0	0 32	4 49	1 58	35 33	14 9	2 35	2 11	2 14		n.a.
T 4	11 12	12 31	4 5	14 4	0n11	4 56	1 7	14 21	0 24	21 43	0 7	4 50	2 35	24 1	0 32	4 50	1 58	35 32	14 9	2 35	2 10	2 16		n.a.
F 5	11 34	8 47	3 8	13 22	0 31	5 27	1 5	14 37	0 25	21 42	0 7	4 48	2 35	24 1	0 33	4 51	1 58	35 32	14 8	2 36	2 8	2 18		n.a.
S 6	11 56	4 26	1 59	12 38	0 51	5 59	1 3	14 53	0 25	21 42	0 7	4 46	2 35	24 1	0 33	4 52	1 58	35 32	14 8	2 36	2 7	2 20		n.a.
S 7	12 17	0s17	0 40	11 52	1 12	6 30	1 1	15 8	0 26	21 41	0 6	4 45	2 35	24 1	0 33	4 53	1 58	35 31	14 8	2 37	2 6	2 22		n.a.
M 8	12 39	5 4	0n43	11 5	1 31	7 0	0 59	15 24	0 27	21 40	0 6	4 43	2 35	24 1	0 33	4 53	1 58	35 31	14 7	2 37	2 4	2 23		n.a.
T 9	13 0	9 32	2 3	10 19	1 49	7 31	0 57	15 40	0 27	21 39	0 6	4 41	2 34	24 1	0 33	4 54	1 58	35 30	14 7	2 36	2 3	2 25		n.a.
W10	13 21	13 22	3 14	9 36	2 5	8 2	0 55	15 55	0 28	21 38	0 6	4 40	2 34	24 1	0 33	4 55	1 58	35 30	14 7	2 35	2 2	2 27		n.a.
T 11	13 42	16 16	4 10	8 56	2 19	8 32	0 53	16 10	0 28	21 37	0 6	4 38	2 34	24 1	0 33	4 56	1 58	35 30	14 6	2 33	2 1	2 29		n.a.
F 12	14 3	18 4	4 49	8 21	2 31	9 2	0 51	16 25	0 29	21 36	0 6	4 36	2 34	24 1	0 33	4 57	1 58	35 29	14 6	2 31	1 59	2 31		n.a.
S 13	14 23	18 42	5 10	7 51	2 41	9 32	0 49	16 40	0 30	21 35	0 6	4 35	2 34	24 1	0 33	4 58	1 58	35 29	14 6	2 29	1 58	2 33		n.a.
S 14	14 43	18 14	5 12	7 27	2 49	10 1	0 47	16 55	0 30	21 34	0 5	4 33	2 34	24 1	0 33	4 58	1 58	35 28	14 6	2 28	1 57	2 35		n.a.
M15	15 3	16 47	4 58	7 8	2 54	10 31	0 45	17 9	0 31	21 33	0 5	4 32	2 33	24 1	0 33	4 59	1 59	35 28	14 5	2 27	1 55	2 37		n.a.
T 16	15 23	14 34	4 29	6 55	2 58	11 0	0 43	17 24	0 31	21 32	0 5	4 30	2 33	24 2	0 33	5 0	1 59	35 28	14 5	2 26	1 54	2 38		n.a.
W17	15 42	11 43	3 49	6 48	3 0	11 29	0 41	17 38	0 32	21 31	0 5	4 29	2 33	24 2	0 33	5 1	1 59	35 27	14 5	2 26	1 53	2 40		n.a.
T 18	16 1	8 27	2 59	6 45	3 0	11 57	0 39	17 52	0 33	21 30	0 5	4 27	2 33	24 2	0 33	5 2	1 59	35 27	14 4	2 27	1 52	2 42		n.a.
F 19	16 20	4 52	2 2	6 48	2 59	12 26	0 36	18 6	0 33	21 29	0 5	4 26	2 33	24 2	0 33	5 2	1 59	35 26	14 4	2 27	1 50	2 44		n.a.
S 20	16 38	1 7	1 1	6 55	2 56	12 54	0 34	18 20	0 34	21 28	0 4	4 24	2 33	24 2	0 33	5 3	1 59	35 26	14 4	2 28	1 49	2 46		n.a.
S 21	16 56	2n40	0s 3	7 5	2 53	13 21	0 32	18 33	0 35	21 27	0 4	4 23	2 32	24 2	0 33	5 4	1 59	35 26	14 4	2 28	1 48	2 48		n.a.
M22	17 14	6 22	1 7	7 20	2 48	13 49	0 30	18 47	0 35	21 25	0 4	4 22	2 32	24 2	0 33	5 5	1 59	35 25	14 3	2 28	1 46	2 50		n.a.
T 23	17 32	9 50	2 8	7 37	2 43	14 16	0 27	19 0	0 36	21 24	0 4	4 20	2 32	24 2	0 33	5 5	1 59	35 25	14 3	2 27	1 45	2 51		n.a.
W24	17 49	12 57	3 5	7 57	2 37	14 42	0 25	19 13	0 36	21 23	0 4	4 19	2 32	24 2	0 33	5 6	1 59	35 24	14 3	2 25	1 44	2 53		n.a.
T 25	18 6	15 32	3 53	8 19	2 31	15 8	0 23	19 26	0 37	21 22	0 4	4 18	2 31	24 3	0 33	5 7	1 59	35 24	14 2	2 22	1 43	2 55		n.a.
F 26	18 23	17 27	4 31	8 43	2 24	15 34	0 20	19 38	0 37	21 20	0 4	4 17	2 31	24 3	0 33	5 8	1 59	35 23	14 2	2 18	1 41	2 57		n.a.
S 27	18 39	18 33	4 56	9 9	2 17	16 0	0 18	19 50	0 38	21 19	0 3	4 15	2 31	24 3	0 33	5 8	1 59	35 23	14 2	2 15	1 40	2 59		n.a.
S 28	18 55	18 44	5 7	9 37	2 10	16 25	0 15	20 3	0 39	21 18	0 3	4 14	2 31	24 3	0 33	5 9	1 59	35 23	14 2	2 11	1 39	3 1		n.a.
M29	19 10	17 57	5 3	10 5	2 2	16 49	0 13	20 15	0 39	21 16	0 3	4 13	2 30	24 3	0 33	5 10	1 59	35 22	14 1	2 8	1 37	3 3		n.a.
T 30	19s25	16n11	4s42	10s35	1n54	17s13	0n11	20s26	0s40	21n15	0s 3	4n12	2s30	24n 3	0n33	5s11	1n59	35s22	14s 1	2s 6	1s36	3n 4		n.a.

Julian Day Number = 1117969.5, Delta T = 10h45m14s
Ecliptic obliquity = 23°53'06, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'52, Lahiri = -26°44'52 Julian Calendar 1 Nov. 1653 BCE == Greg. Calendar 18 Oct. 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1653 BCE
geocentric

DECEMBER 1653 BCE (-1652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 42 46	26♏14'08	12♌11	3♏ 2	18♏50	27♏33	3°R38	16°R12	9°R57	17♎33	24♑36	5°R 9	3♎54	8♈40	n.a.	W 1
T 2	3 46 43	27°15'22	25°52	4°11	20° 6	28°20	3♊30	16♈ 9	9♋56	17°35	24°37	5°D 8	3°51	8°46	n.a.	T 2
F 3	3 50 39	28°16'36	9♍48	5°21	21°21	29° 7	3°22	16° 6	9°54	17°37	24°38	5♎ 8	3°48	8°53	n.a.	F 3
S 4	3 54 36	29°17'49	23°59	6°34	22°36	29°54	3°14	16° 3	9°52	17°39	24°39	5° 9	3°45	9° 0	n.a.	S 4
S 5	3 58 33	0♐19'02	8♎24	7°48	23°52	0♐41	3° 6	16° 0	9°50	17°41	24°40	5°R10	3°42	9° 6	n.a.	S 5
M 6	4 2 29	1°20'14	23° 1	9° 5	25° 7	1°28	2°58	15°57	9°48	17°42	24°41	5° 8	3°39	9°13	n.a.	M 6
T 7	4 6 26	2°21'26	7♏44	10°22	26°22	2°15	2°50	15°55	9°47	17°44	24°42	5° 4	3°35	9°20	n.a.	T 7
W 8	4 10 22	3°22'37	22°28	11°41	27°38	3° 2	2°42	15°52	9°45	17°46	24°43	4°58	3°32	9°26	n.a.	W 8
T 9	4 14 19	4°23'48	7♐ 4	13° 1	28°53	3°49	2°34	15°50	9°43	17°48	24°44	4°49	3°29	9°33	n.a.	T 9
F 10	4 18 15	5°24'57	21°25	14°22	0♐ 8	4°37	2°26	15°47	9°41	17°49	24°45	4°39	3°26	9°40	n.a.	F 10
S 11	4 22 12	6°26'06	5♑25	15°44	1°24	5°24	2°18	15°45	9°39	17°51	24°46	4°28	3°23	9°46	n.a.	S 11
S 12	4 26 8	7°27'13	19° 0	17° 8	2°39	6°11	2°10	15°43	9°37	17°52	24°47	4°19	3°20	9°53	n.a.	S 12
M13	4 30 5	8°28'19	2♒10	18°32	3°54	6°58	2° 2	15°41	9°34	17°54	24°48	4°11	3°16	10° 0	n.a.	M13
T 14	4 34 2	9°29'23	14°54	19°57	5°10	7°45	1°54	15°39	9°32	17°56	24°50	4° 5	3°13	10° 6	n.a.	T 14
W15	4 37 58	10°30'27	27°17	21°23	6°25	8°32	1°46	15°37	9°30	17°57	24°51	4° 2	3°10	10°13	n.a.	W15
T 16	4 41 55	11°31'28	9♓22	22°50	7°40	9°20	1°38	15°36	9°28	17°59	24°52	4°D 1	3° 7	10°20	n.a.	T 16
F 17	4 45 51	12°32'29	21°16	24°18	8°55	10° 7	1°30	15°34	9°26	18° 0	24°53	4° 1	3° 4	10°26	n.a.	F 17
S 18	4 49 48	13°33'27	3♈ 4	25°46	10°11	10°54	1°23	15°32	9°23	18° 2	24°55	4°R 2	3° 0	10°33	n.a.	S 18
S 19	4 53 44	14°34'25	14°51	27°15	11°26	11°41	1°15	15°31	9°21	18° 3	24°56	4° 1	2°57	10°39	n.a.	S 19
M20	4 57 41	15°35'20	26°42	28°45	12°41	12°29	1° 7	15°30	9°19	18° 5	24°57	3°59	2°54	10°46	n.a.	M20
T 21	5 1 37	16°36'15	8♉42	0♐16	13°56	13°16	1° 0	15°29	9°17	18° 6	24°58	3°54	2°51	10°53	n.a.	T 21
W22	5 5 34	17°37'07	20°54	1°47	15°11	14° 3	0°52	15°28	9°14	18° 7	25° 0	3°46	2°48	10°59	n.a.	W22
T 23	5 9 31	18°37'59	3♊21	3°20	16°26	14°50	0°45	15°27	9°12	18° 9	25° 1	3°35	2°45	11° 6	n.a.	T 23
F 24	5 13 27	19°38'49	16° 2	4°52	17°42	15°38	0°38	15°26	9° 9	18°10	25° 2	3°23	2°41	11°13	n.a.	F 24
S 25	5 17 24	20°39'37	28°59	6°26	18°57	16°25	0°30	15°25	9° 7	18°11	25° 4	3°10	2°38	11°19	n.a.	S 25
S 26	5 21 20	21°40'24	12♋ 9	8° 1	20°12	17°12	0°23	15°25	9° 4	18°13	25° 5	2°57	2°35	11°26	n.a.	S 26
M27	5 25 17	22°41'09	25°32	9°36	21°27	17°59	0°16	15°24	9° 2	18°14	25° 6	2°45	2°32	11°33	n.a.	M27
T 28	5 29 13	23°41'54	9♌ 6	11°12	22°42	18°47	0°10	15°24	9° 0	18°15	25° 8	2°36	2°29	11°39	n.a.	T 28
W29	5 33 10	24°42'36	22°47	12°49	23°57	19°34	0° 3	15°24	8°57	18°16	25° 9	2°30	2°26	11°46	n.a.	W29
T 30	5 37 7	25°43'18	6♍37	14°26	25°12	20°21	29♉56	15°23	8°54	18°17	25°11	2°27	2°22	11°53	n.a.	T 30
F 31	5 41 3	26♐43'58	20♍33	16♐ 5	26♐27	21♐ 8	29♉50	15°D23	8♋52	18♎19	25♑12	2♎26	2♎19	11♈59	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s40	13n31	4s 6	11s 5	1n46	17s37	0n 8	20s38	0s40	21n14	0s 3	4n11	2s30	24n 4	0n33	5s11	1n59	35s21	14s 1	2s 5	1s35	3n 6		n.a.
T 2	19 55	10 4	3 15	11 37	1 38	18 0	0 6	20 49	0 41	21 12	0 3	4 10	2 30	24 4	0 33	5 12	1 59	35 21	14 1	2 4	1 34	3 8		n.a.
F 3	20 9	6 0	2 12	12 8	1 30	18 23	0 4	21 0	0 41	21 11	0 2	4 9	2 29	24 4	0 33	5 13	1 59	35 20	14 0	2 5	1 32	3 10		n.a.
S 4	20 22	1 31	1 0	12 40	1 22	18 45	0 1	21 11	0 42	21 9	0 2	4 8	2 29	24 4	0 34	5 13	1 59	35 20	14 0	2 5	1 31	3 12		n.a.
S 5	20 36	3s 8	0n17	13 13	1 14	19 6	0s 1	21 22	0 42	21 8	0 2	4 7	2 29	24 4	0 34	5 14	1 59	35 20	14 0	2 5	1 30	3 14		n.a.
M 6	20 49	7 39	1 34	13 45	1 6	19 27	0 4	21 32	0 43	21 7	0 2	4 7	2 29	24 4	0 34	5 15	1 59	35 19	14 0	2 5	1 28	3 16		n.a.
T 7	21 1	11 45	2 45	14 18	0 57	19 48	0 6	21 43	0 44	21 5	0 2	4 6	2 28	24 5	0 34	5 15	1 59	35 19	13 59	2 3	1 27	3 17		n.a.
W 8	21 13	15 6	3 45	14 50	0 49	20 8	0 8	21 53	0 44	21 4	0 2	4 5	2 28	24 5	0 34	5 16	1 59	35 18	13 59	2 0	1 26	3 19		n.a.
T 9	21 25	17 28	4 30	15 23	0 41	20 27	0 11	22 2	0 45	21 2	0 2	4 4	2 28	24 5	0 34	5 16	1 59	35 18	13 59	1 57	1 25	3 21		n.a.
F 10	21 36	18 40	4 56	15 55	0 33	20 46	0 13	22 12	0 45	21 1	0 1	4 4	2 28	24 5	0 34	5 17	1 59	35 17	13 59	1 53	1 23	3 23		n.a.
S 11	21 47	18 42	5 4	16 27	0 25	21 4	0 15	22 21	0 46	20 59	0 1	4 3	2 27	24 5	0 34	5 18	1 59	35 17	13 59	1 48	1 22	3 25		n.a.
S 12	21 58	17 39	4 55	16 59	0 17	21 22	0 18	22 30	0 46	20 58	0 1	4 3	2 27	24 5	0 34	5 18	1 59	35 16	13 58	1 45	1 21	3 27		n.a.
M13	22 8	15 40	4 29	17 30	0 10	21 39	0 20	22 39	0 47	20 56	0 1	4 2	2 27	24 6	0 34	5 19	2 0	35 16	13 58	1 41	1 19	3 29		n.a.
T 14	22 17	12 59	3 51	18 1	0 2	21 55	0 22	22 47	0 47	20 55	0 1	4 2	2 26	24 6	0 34	5 19	2 0	35 16	13 58	1 39	1 18	3 30		n.a.
W15	22 26	9 47	3 3	18 32	0s 5	22 11	0 25	22 55	0 48	20 53	0 1	4 1	2 26	24 6	0 34	5 20	2 0	35 15	13 58	1 38	1 17	3 32		n.a.
T 16	22 35	6 14	2 8	19 2	0 13	22 26	0 27	23 3	0 48	20 52	0 0	4 1	2 26	24 6	0 34	5 20	2 0	35 15	13 57	1 38	1 16	3 34		n.a.
F 17	22 43	2 29	1 8	19 31	0 20	22 41	0 29	23 11	0 49	20 50	0 0	4 0	2 26	24 6	0 34	5 21	2 0	35 14	13 57	1 38	1 14	3 36		n.a.
S 18	22 51	1n19	0 5	19 59	0 27	22 54	0 31	23 18	0 49	20 49	0 0	4 0	2 25	24 7	0 34	5 22	2 0	35 14	13 57	1 38	1 13	3 38		n.a.
S 19	22 58	5 5	0s57	20 27	0 34	23 7	0 33	23 26	0 50	20 48	0n 0	4 0	2 25	24 7	0 34	5 22	2 0	35 13	13 57	1 38	1 12	3 40		n.a.
M20	23 5	8 40	1 58	20 54	0 40	23 20	0 36	23 32	0 50	20 46	0 0	4 0	2 25	24 7	0 34	5 23	2 0	35 13	13 57	1 37	1 10	3 41		n.a.
T 21	23 12	11 56	2 53	21 21	0 47	23 31	0 38	23 39	0 51	20 45	0 0	3 59	2 24	24 7	0 34	5 23	2 0	35 12	13 57	1 35	1 9	3 43		n.a.
W22	23 18	14 45	3 42	21 46	0 53	23 42	0 40	23 45	0 51	20 43	0 1	3 59	2 24	24 7	0 34	5 24	2 0	35 12	13 56	1 31	1 8	3 45		n.a.
T 23	23 23	16 57	4 21	22 11	0 59	23 52	0 42	23 51	0 52	20 42	0 1	3 59	2 24	24 7	0 34	5 24	2 0	35 12	13 56	1 27	1 7	3 47		n.a.
F 24	23 28	18 22	4 47	22 34	1 5	24 2	0 44	23 57	0 52	20 41	0 1	3 59	2 23	24 8	0 34	5 24	2 0	35 11	13 56	1 22	1 5	3 49		n.a.
S 25	23 33	18 53	5 0	22 56	1 10	24 11	0 46	24 3	0 52	20 39	0 1	3 59	2 23	24 8	0 34	5 25	2 0	35 11	13 56	1 17	1 4	3 51		n.a.
S 26	23 37	18 23	4 57	23 18	1 16	24 19	0 48	24 8	0 53	20 38	0 1	3 59	2 23	24 8	0 34	5 25	2 0	35 10	13 56	1 11	1 3	3 53		n.a.
M27	23 41	16 53	4 38	23 38	1 21	24 26	0 50	24 13	0 53	20 36	0 1	3 59	2 22	24 8	0 34	5 26	2 0	35 10	13 56	1 7	1 1	3 54		n.a.
T 28	23 44	14 25	4 3	23 57	1 26	24 32	0 52	24 18	0 54	20 35	0 1	3 59	2 22	24 8	0 34	5 26	2 0	35 9	13 55	1 3	1 0	3 56		n.a.
W29	23 47	11 8	3 13	24 15	1 30	24 38	0 53	24 22	0 54	20 34	0 2	4 0	2 22	24 9	0 34	5 27	2 0	35 9	13 55	1 1	0 59	3 58		n.a.
T 30	23 49	7 12	2 12	24 31	1 35	24 43	0 55	24 26	0 55	20 33	0 2	4 0	2 22	24 9	0 34	5 27	2 0	35 9	13 55	1 0	0 58	4 0		n.a.
F 31	23s51	2n51	1s 3	24s46	1s39	24s47	0s57	24s30	0s55	20n31	0n 2	4n 0	2s21	24n 9	0n34	5s27	2n 0	35s 8	13s55	0s59	0s56	4n 2		n.a.

Julian Day Number = 1117999.5, Delta T = 10h45m12s
Ecliptic obliquity = 23°53'05, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'48, Lahiri = -26°44'48 Julian Calendar 1 Dec. 1653 BCE == Greg. Calendar 17 Nov. 1653 BCE

The year -1652 astronomical counting style corresponds to year 1653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

JANUARY 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 45 0	27♐44'36	4♎36	17♐44	27♐42	21♐56	29°R43	15♈24	8°R49	18♎20	25♏13	2°R26	2♎16	12♈ 6	n.a.	S 1
S 2	5 48 56	28°45'14	18°44	19°24	28°57	22°43	29♉37	15°24	8♋47	18°21	25°15	2♎26	2°13	12°13	n.a.	S 2
M 3	5 52 53	29°45'50	2♏58	21° 5	0♏12	23°30	29°31	15°24	8°44	18°22	25°16	2°23	2°10	12°19	n.a.	M 3
T 4	5 56 49	0♏46'24	17°15	22°47	1°27	24°18	29°25	15°25	8°42	18°23	25°18	2°18	2° 6	12°26	n.a.	T 4
W 5	6 0 46	1°46'57	1♐31	24°30	2°42	25° 5	29°19	15°25	8°39	18°24	25°19	2°10	2° 3	12°32	n.a.	W 5
T 6	6 4 42	2°47'29	15°42	26°13	3°57	25°52	29°13	15°26	8°36	18°25	25°21	2° 0	2° 0	12°39	n.a.	T 6
F 7	6 8 39	3°47'59	29°43	27°58	5°12	26°39	29° 8	15°27	8°34	18°25	25°22	1°47	1°57	12°46	n.a.	F 7
S 8	6 12 36	4°48'27	13♏27	29°43	6°27	27°27	29° 2	15°28	8°31	18°26	25°24	1°34	1°54	12°52	n.a.	S 8
S 9	6 16 32	5°48'53	26°53	1♏30	7°42	28°14	28°57	15°29	8°29	18°27	25°25	1°22	1°51	12°59	n.a.	S 9
M10	6 20 29	6°49'17	9♒57	3°17	8°57	29° 1	28°52	15°30	8°26	18°28	25°27	1°11	1°47	13° 6	n.a.	M10
T 11	6 24 25	7°49'39	22°40	5° 5	10°11	29°49	28°47	15°31	8°23	18°29	25°28	1° 4	1°44	13°12	n.a.	T 11
W12	6 28 22	8°49'59	5♓ 3	6°54	11°26	0♏36	28°43	15°32	8°21	18°29	25°30	0°59	1°41	13°19	n.a.	W12
T 13	6 32 18	9°50'16	17°10	8°45	12°41	1°23	28°38	15°34	8°18	18°30	25°31	0°56	1°38	13°26	n.a.	T 13
F 14	6 36 15	10°50'32	29° 5	10°36	13°56	2°10	28°34	15°35	8°15	18°31	25°33	0°D56	1°35	13°32	n.a.	F 14
S 15	6 40 11	11°50'45	10♈54	12°27	15°11	2°57	28°29	15°37	8°13	18°31	25°35	0°R56	1°32	13°39	n.a.	S 15
S 16	6 44 8	12°50'56	22°42	14°20	16°26	3°45	28°25	15°39	8°10	18°32	25°36	0°56	1°28	13°46	n.a.	S 16
M17	6 48 5	13°51'05	4♉35	16°14	17°40	4°32	28°22	15°41	8° 8	18°33	25°38	0°54	1°25	13°52	n.a.	M17
T 18	6 52 1	14°51'11	16°37	18° 8	18°55	5°19	28°18	15°43	8° 5	18°33	25°39	0°50	1°22	13°59	n.a.	T 18
W19	6 55 58	15°51'15	28°54	20° 3	20°10	6° 6	28°14	15°45	8° 2	18°34	25°41	0°43	1°19	14° 6	n.a.	W19
T 20	6 59 54	16°51'17	11♊29	21°58	21°25	6°53	28°11	15°47	8° 0	18°34	25°42	0°34	1°16	14°12	n.a.	T 20
F 21	7 3 51	17°51'17	24°23	23°54	22°39	7°40	28° 8	15°50	7°57	18°35	25°44	0°22	1°12	14°19	n.a.	F 21
S 22	7 7 47	18°51'15	7♋37	25°50	23°54	8°27	28° 5	15°52	7°55	18°35	25°46	0°10	1° 9	14°26	n.a.	S 22
S 23	7 11 44	19°51'10	21°10	27°46	25° 9	9°15	28° 2	15°55	7°52	18°35	25°47	29♍58	1° 6	14°32	n.a.	S 23
M24	7 15 40	20°51'04	4♌58	29°42	26°23	10° 2	28° 0	15°57	7°50	18°36	25°49	29°48	1° 3	14°39	n.a.	M24
T 25	7 19 37	21°50'55	18°57	1♒38	27°38	10°49	27°58	16° 0	7°47	18°36	25°50	29°40	1° 0	14°45	n.a.	T 25
W26	7 23 34	22°50'44	3♍ 4	3°33	28°52	11°36	27°55	16° 3	7°44	18°36	25°52	29°34	0°57	14°52	n.a.	W26
T 27	7 27 30	23°50'32	17°15	5°27	0♒ 7	12°23	27°53	16° 6	7°42	18°36	25°54	29°32	0°53	14°59	n.a.	T 27
F 28	7 31 27	24°50'17	1♎26	7°19	1°22	13°10	27°52	16° 9	7°39	18°37	25°55	29°D31	0°50	15° 5	n.a.	F 28
S 29	7 35 23	25°50'00	15°35	9°10	2°36	13°57	27°50	16°12	7°37	18°37	25°57	29°32	0°47	15°12	n.a.	S 29
S 30	7 39 20	26°49'42	29°42	10°58	3°51	14°44	27°49	16°16	7°35	18°37	25°58	29°R32	0°44	15°19	n.a.	S 30
M31	7 43 16	27♏49'22	13♏45	12♒44	5♒ 5	15♏31	27♉47	16♈19	7♋32	18♎37	26♏ 0	29♍31	0♎41	15♈25	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s52	1s41	0n11	25s 0	1s42	24s51	0s59	24s33	0s55	20n30	0n 2	4n 1	2s21	24n 9	0n34	5s28	2n 1	35s 8	13s55	0s59	0s55	4n 4		n.a.
S 2	23 53	6 10	1 25	25 12	1 46	24 53	1 0	24 37	0 56	20 29	0 2	4 1	2 21	24 9	0 34	5 28	2 1	35 7	13 55	0 59	0 54	4 5		n.a.
M 3	23 53	10 19	2 34	25 23	1 49	24 55	1 2	24 39	0 56	20 28	0 2	4 1	2 20	24 10	0 34	5 28	2 1	35 7	13 55	0 58	0 52	4 7		n.a.
T 4	23 53	13 53	3 33	25 32	1 51	24 56	1 4	24 42	0 57	20 26	0 3	4 2	2 20	24 10	0 34	5 29	2 1	35 7	13 55	0 56	0 51	4 9		n.a.
W 5	23 52	16 37	4 19	25 40	1 54	24 57	1 5	24 44	0 57	20 25	0 3	4 2	2 20	24 10	0 34	5 29	2 1	35 6	13 54	0 53	0 50	4 11		n.a.
T 6	23 51	18 19	4 49	25 45	1 56	24 56	1 7	24 46	0 57	20 24	0 3	4 3	2 19	24 10	0 34	5 29	2 1	35 6	13 54	0 48	0 49	4 13		n.a.
F 7	23 50	18 53	5 0	25 49	1 57	24 55	1 8	24 48	0 58	20 23	0 3	4 4	2 19	24 10	0 34	5 30	2 1	35 5	13 54	0 43	0 47	4 15		n.a.
S 8	23 48	18 19	4 54	25 51	1 58	24 53	1 9	24 50	0 58	20 22	0 3	4 4	2 19	24 10	0 34	5 30	2 1	35 5	13 54	0 38	0 46	4 16		n.a.
S 9	23 45	16 44	4 32	25 52	1 59	24 50	1 11	24 51	0 58	20 21	0 3	4 5	2 18	24 11	0 34	5 30	2 1	35 4	13 54	0 33	0 45	4 18		n.a.
M10	23 42	14 19	3 55	25 50	1 59	24 47	1 12	24 52	0 59	20 20	0 3	4 6	2 18	24 11	0 34	5 30	2 1	35 4	13 54	0 29	0 43	4 20		n.a.
T 11	23 39	11 16	3 8	25 46	1 59	24 42	1 13	24 52	0 59	20 19	0 4	4 6	2 18	24 11	0 34	5 31	2 1	35 4	13 54	0 26	0 42	4 22		n.a.
W12	23 35	7 47	2 13	25 40	1 59	24 37	1 15	24 53	1 0	20 18	0 4	4 7	2 17	24 11	0 34	5 31	2 1	35 3	13 54	0 24	0 41	4 24		n.a.
T 13	23 31	4 3	1 12	25 33	1 57	24 31	1 16	24 53	1 0	20 17	0 4	4 8	2 17	24 11	0 34	5 31	2 1	35 3	13 54	0 23	0 40	4 26		n.a.
F 14	23 26	0 13	0 10	25 23	1 56	24 25	1 17	24 52	1 0	20 16	0 4	4 9	2 17	24 12	0 34	5 31	2 1	35 3	13 54	0 23	0 38	4 27		n.a.
S 15	23 21	3n35	0s53	25 10	1 54	24 17	1 18	24 52	1 1	20 16	0 4	4 10	2 16	24 12	0 34	5 31	2 1	35 2	13 54	0 23	0 37	4 29		n.a.
S 16	23 15	7 15	1 53	24 56	1 51	24 9	1 19	24 51	1 1	20 15	0 4	4 11	2 16	24 12	0 34	5 32	2 1	35 2	13 54	0 22	0 36	4 31		n.a.
M17	23 9	10 39	2 49	24 39	1 47	24 0	1 20	24 49	1 1	20 14	0 4	4 12	2 16	24 12	0 34	5 32	2 2	35 1	13 54	0 22	0 34	4 33		n.a.
T 18	23 2	13 39	3 37	24 20	1 43	23 51	1 20	24 48	1 1	20 13	0 5	4 13	2 16	24 12	0 34	5 32	2 2	35 1	13 54	0 20	0 33	4 35		n.a.
W19	22 55	16 6	4 17	23 59	1 39	23 41	1 21	24 46	1 2	20 13	0 5	4 14	2 15	24 12	0 34	5 32	2 2	35 1	13 53	0 17	0 32	4 37		n.a.
T 20	22 48	17 52	4 46	23 36	1 34	23 30	1 22	24 44	1 2	20 12	0 5	4 15	2 15	24 13	0 34	5 32	2 2	35 0	13 53	0 14	0 31	4 38		n.a.
F 21	22 40	18 46	5 0	23 10	1 28	23 18	1 23	24 42	1 2	20 12	0 5	4 17	2 15	24 13	0 34	5 32	2 2	35 0	13 53	0 9	0 29	4 40		n.a.
S 22	22 32	18 41	4 59	22 42	1 21	23 6	1 23	24 39	1 3	20 11	0 5	4 18	2 14	24 13	0 34	5 32	2 2	35 0	13 53	0 4	0 28	4 42		n.a.
S 23	22 23	17 33	4 42	22 12	1 14	22 52	1 24	24 36	1 3	20 11	0 5	4 19	2 14	24 13	0 34	5 32	2 2	34 59	13 53	0n 1	0 27	4 44		n.a.
M24	22 14	15 23	4 8	21 40	1 6	22 39	1 24	24 33	1 3	20 10	0 5	4 20	2 14	24 13	0 34	5 33	2 2	34 59	13 53	0 5	0 25	4 46		n.a.
T 25	22 4	12 17	3 18	21 6	0 58	22 24	1 25	24 29	1 3	20 10	0 5	4 22	2 13	24 13	0 34	5 33	2 2	34 59	13 53	0 8	0 24	4 48		n.a.
W26	21 55	8 27	2 16	20 30	0 49	22 9	1 25	24 26	1 4	20 9	0 6	4 23	2 13	24 14	0 34	5 33	2 2	34 58	13 53	0 10	0 23	4 49		n.a.
T 27	21 44	4 8	1 5	19 53	0 39	21 53	1 25	24 21	1 4	20 9	0 6	4 25	2 13	24 14	0 34	5 33	2 2	34 58	13 53	0 11	0 22	4 51		n.a.
F 28	21 33	0s25	0n10	19 14	0 28	21 37	1 26	24 17	1 4	20 9	0 6	4 26	2 13	24 14	0 34	5 33	2 2	34 58	13 53	0 12	0 20	4 53		n.a.
S 29	21 22	4 57	1 25	18 34	0 17	21 20	1 26	24 12	1 4	20 8	0 6	4 28	2 12	24 14	0 34	5 33	2 2	34 57	13 53	0 11	0 19	4 55		n.a.
S 30	21 11	9 11	2 34	17 53	0 5	21 2	1 26	24 7	1 5	20 8	0 6	4 29	2 12	24 14	0 34	5 33	2 2	34 57	13 54	0 11	0 18	4 57		n.a.
M31	20s59	12s52	3n33	17s12	0n 7	20s44	1s26	24s 2	1s 5	20n 8	0n 6	4n31	2s12	24n14	0n34	5s33	2n 2	34s57	13s54	0n12	0s16	4n58		n.a.

Julian Day Number = 1118030.5, Delta T = 10h45m10s
Ecliptic obliquity = 23°53'05, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'44, Lahiri = -26°44'43 Julian Calendar 1 Jan. 1652 BCE == Greg. Calendar 18 Dec. 1653 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

FEBRUARY 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 47 13	28♉49'00	27♏43	14♒26	6♒20	16♉17	27°R46	16♈22	7°R30	18♎37	26♉ 2	29°R28	0♎37	15♈32	n.a.	T 1
W 2	7 51 9	29°48'36	11♐35	16° 5	7°34	17° 4	27♉46	16°26	7♋27	18°R37	26° 3	29♍22	0°34	15°39	n.a.	W 2
T 3	7 55 6	0♒48'10	25°18	17°40	8°49	17°51	27°45	16°30	7°25	18°37	26° 5	29°14	0°31	15°45	n.a.	T 3
F 4	7 59 2	1°47'43	8♉52	19°10	10° 3	18°38	27°45	16°34	7°23	18°37	26° 6	29° 4	0°28	15°52	n.a.	F 4
S 5	8 2 59	2°47'13	22°12	20°35	11°18	19°25	27°44	16°37	7°20	18°37	26° 8	28°54	0°25	15°59	n.a.	S 5
S 6	8 6 56	3°46'41	5♒17	21°55	12°32	20°12	27°D44	16°41	7°18	18°37	26°10	28°44	0°22	16° 5	n.a.	S 6
M 7	8 10 52	4°46'06	18° 6	23° 8	13°46	20°58	27°44	16°45	7°16	18°37	26°11	28°36	0°18	16°12	n.a.	M 7
T 8	8 14 49	5°45'30	0♓39	24°16	15° 1	21°45	27°45	16°50	7°14	18°37	26°13	28°30	0°15	16°19	n.a.	T 8
W 9	8 18 45	6°44'51	12°56	25°16	16°15	22°32	27°45	16°54	7°11	18°36	26°14	28°27	0°12	16°25	n.a.	W 9
T 10	8 22 42	7°44'09	25° 0	26°10	17°29	23°19	27°46	16°58	7° 9	18°36	26°16	28°D25	0° 9	16°32	n.a.	T 10
F 11	8 26 38	8°43'26	6♈55	26°57	18°44	24° 5	27°47	17° 3	7° 7	18°36	26°17	28°26	0° 6	16°39	n.a.	F 11
S 12	8 30 35	9°42'39	18°44	27°36	19°58	24°52	27°48	17° 7	7° 5	18°36	26°19	28°27	0° 3	16°45	n.a.	S 12
S 13	8 34 31	10°41'51	0♉32	28° 8	21°12	25°38	27°49	17°12	7° 3	18°35	26°21	28°28	29♍59	16°52	n.a.	S 13
M14	8 38 28	11°41'00	12°25	28°32	22°27	26°25	27°51	17°16	7° 1	18°35	26°22	28°R29	29°56	16°59	n.a.	M14
T 15	8 42 24	12°40'06	24°28	28°49	23°41	27°11	27°53	17°21	6°59	18°35	26°24	28°28	29°53	17° 5	n.a.	T 15
W16	8 46 21	13°39'10	6♊46	28°58	24°55	27°58	27°55	17°26	6°57	18°34	26°25	28°25	29°50	17°12	n.a.	W16
T 17	8 50 18	14°38'12	19°22	29°R 0	26° 9	28°44	27°57	17°31	6°55	18°34	26°27	28°20	29°47	17°18	n.a.	T 17
F 18	8 54 14	15°37'11	2♋21	28°54	27°23	29°31	27°59	17°36	6°53	18°33	26°28	28°15	29°43	17°25	n.a.	F 18
S 19	8 58 11	16°36'08	15°44	28°42	28°37	0♒17	28° 1	17°41	6°51	18°33	26°30	28° 8	29°40	17°32	n.a.	S 19
S 20	9 2 7	17°35'02	29°30	28°23	29°52	1° 3	28° 4	17°46	6°50	18°32	26°31	28° 1	29°37	17°38	n.a.	S 20
M21	9 6 4	18°33'54	13♌37	27°59	1♓ 6	1°50	28° 7	17°51	6°48	18°32	26°33	27°55	29°34	17°45	n.a.	M21
T 22	9 10 0	19°32'44	27°59	27°29	2°20	2°36	28°10	17°57	6°46	18°31	26°34	27°50	29°31	17°52	n.a.	T 22
W23	9 13 57	20°31'32	12♍32	26°54	3°34	3°22	28°13	18° 2	6°44	18°30	26°36	27°48	29°28	17°58	n.a.	W23
T 24	9 17 53	21°30'18	27° 9	26°15	4°48	4° 8	28°16	18° 8	6°43	18°30	26°37	27°D47	29°24	18° 5	n.a.	T 24
F 25	9 21 50	22°29'01	11♎44	25°33	6° 2	4°55	28°20	18°13	6°41	18°29	26°39	27°47	29°21	18°12	n.a.	F 25
S 26	9 25 46	23°27'43	26°13	24°49	7°16	5°41	28°23	18°19	6°40	18°28	26°40	27°49	29°18	18°18	n.a.	S 26
S 27	9 29 43	24°26'23	10♏31	24° 3	8°29	6°27	28°27	18°24	6°38	18°27	26°42	27°50	29°15	18°25	n.a.	S 27
M28	9 33 40	25♒25'02	24♏36	23♒17	9♓43	7♒13	28♉31	18♈30	6♋37	18♎27	26♉43	27°R51	29♍12	18♈32	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s47	15s48	4n20	16s30	0n20	20s25	1s26	23s57	1s 5	20n 8	0n 6	4n32	2s11	24n14	0n34	5s33	2n 3	34s57	13s54	0n13	0s15	5n 0		n.a.
W 2	20 34	17 48	4 50	15 47	0 33	20 6	1 26	23 51	1 5	20 8	0 6	4 34	2 11	24 15	0 34	5 33	2 3	34 56	13 54	0 15	0 14	5 2		n.a.
T 3	20 21	18 44	5 4	15 6	0 46	19 46	1 26	23 45	1 5	20 8	0 7	4 36	2 11	24 15	0 34	5 33	2 3	34 56	13 54	0 19	0 13	5 4		n.a.
F 4	20 8	18 35	5 0	14 25	1 0	19 25	1 25	23 39	1 6	20 8	0 7	4 37	2 11	24 15	0 34	5 32	2 3	34 56	13 54	0 23	0 11	5 6		n.a.
S 5	19 54	17 24	4 40	13 44	1 13	19 4	1 25	23 32	1 6	20 8	0 7	4 39	2 10	24 15	0 34	5 32	2 3	34 55	13 54	0 27	0 10	5 8		n.a.
S 6	19 40	15 20	4 6	13 6	1 27	18 43	1 25	23 25	1 6	20 8	0 7	4 41	2 10	24 15	0 34	5 32	2 3	34 55	13 54	0 31	0 9	5 9		n.a.
M 7	19 26	12 32	3 19	12 28	1 41	18 21	1 24	23 18	1 6	20 8	0 7	4 43	2 10	24 15	0 34	5 32	2 3	34 55	13 54	0 34	0 7	5 11		n.a.
T 8	19 11	9 13	2 24	11 53	1 54	17 58	1 24	23 11	1 6	20 8	0 7	4 45	2 9	24 15	0 34	5 32	2 3	34 55	13 54	0 36	0 6	5 13		n.a.
W 9	18 56	5 33	1 23	11 20	2 8	17 35	1 23	23 3	1 7	20 9	0 7	4 47	2 9	24 15	0 34	5 32	2 3	34 54	13 54	0 38	0 5	5 15		n.a.
T 10	18 41	1 44	0 18	10 50	2 20	17 11	1 23	22 55	1 7	20 9	0 7	4 49	2 9	24 15	0 34	5 32	2 3	34 54	13 54	0 38	0 4	5 17		n.a.
F 11	18 25	2n 6	0s46	10 22	2 33	16 47	1 22	22 47	1 7	20 9	0 8	4 50	2 9	24 16	0 34	5 32	2 3	34 54	13 54	0 38	0 2	5 18		n.a.
S 12	18 9	5 49	1 48	9 58	2 44	16 23	1 21	22 39	1 7	20 10	0 8	4 52	2 8	24 16	0 34	5 31	2 3	34 54	13 54	0 38	0 1	5 20		n.a.
S 13	17 53	9 18	2 45	9 36	2 55	15 58	1 21	22 30	1 7	20 10	0 8	4 55	2 8	24 16	0 34	5 31	2 3	34 53	13 54	0 37	0n 0	5 22		n.a.
M14	17 36	12 26	3 35	9 19	3 5	15 33	1 20	22 22	1 7	20 11	0 8	4 57	2 8	24 16	0 34	5 31	2 3	34 53	13 55	0 37	0 2	5 24		n.a.
T 15	17 19	15 5	4 17	9 4	3 14	15 7	1 19	22 13	1 7	20 11	0 8	4 59	2 8	24 16	0 34	5 31	2 3	34 53	13 55	0 37	0 3	5 26		n.a.
W16	17 2	17 7	4 48	8 54	3 22	14 41	1 18	22 3	1 7	20 12	0 8	5 1	2 7	24 16	0 34	5 31	2 4	34 53	13 55	0 38	0 4	5 27		n.a.
T 17	16 45	18 22	5 6	8 47	3 29	14 14	1 17	21 54	1 8	20 12	0 8	5 3	2 7	24 16	0 34	5 30	2 4	34 53	13 55	0 40	0 5	5 29		n.a.
F 18	16 27	18 43	5 9	8 44	3 34	13 47	1 16	21 44	1 8	20 13	0 8	5 5	2 7	24 16	0 34	5 30	2 4	34 52	13 55	0 43	0 7	5 31		n.a.
S 19	16 9	18 3	4 55	8 44	3 38	13 20	1 15	21 34	1 8	20 13	0 8	5 7	2 7	24 16	0 34	5 30	2 4	34 52	13 55	0 45	0 8	5 33		n.a.
S 20	15 51	16 19	4 25	8 48	3 41	12 52	1 13	21 24	1 8	20 14	0 9	5 10	2 6	24 16	0 34	5 30	2 4	34 52	13 55	0 48	0 9	5 35		n.a.
M21	15 33	13 35	3 37	8 56	3 41	12 24	1 12	21 13	1 8	20 15	0 9	5 12	2 6	24 17	0 34	5 29	2 4	34 52	13 56	0 51	0 11	5 36		n.a.
T 22	15 14	9 58	2 35	9 8	3 41	11 56	1 11	21 3	1 8	20 16	0 9	5 14	2 6	24 17	0 34	5 29	2 4	34 52	13 56	0 52	0 12	5 38		n.a.
W23	14 55	5 43	1 22	9 22	3 38	11 28	1 9	20 52	1 8	20 17	0 9	5 16	2 6	24 17	0 34	5 29	2 4	34 51	13 56	0 54	0 13	5 40		n.a.
T 24	14 36	1 6	0 3	9 39	3 34	10 59	1 8	20 41	1 8	20 17	0 9	5 19	2 5	24 17	0 34	5 28	2 4	34 51	13 56	0 54	0 14	5 42		n.a.
F 25	14 16	3s34	1n16	9 59	3 28	10 30	1 7	20 30	1 8	20 18	0 9	5 21	2 5	24 17	0 34	5 28	2 4	34 51	13 56	0 54	0 16	5 44		n.a.
S 26	13 57	7 59	2 29	10 21	3 20	10 0	1 5	20 18	1 8	20 19	0 9	5 23	2 5	24 17	0 34	5 28	2 4	34 51	13 56	0 53	0 17	5 45		n.a.
S 27	13 37	11 53	3 33	10 45	3 11	9 31	1 3	20 6	1 8	20 20	0 9	5 26	2 5	24 17	0 34	5 27	2 4	34 51	13 56	0 53	0 18	5 47		n.a.
M28	13s17	15s 2	4n22	11s10	3n 1	9s 1	1s 2	19s55	1s 8	20n21	0n 9	5n28	2s 4	24n17	0n34	5s27	2n 4	34s51	13s57	0n52	0n20	5n49		n.a.

Julian Day Number = 1118061.5, Delta T = 10h45m08s
Ecliptic obliquity = 23°53'05, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'40, Lahiri = -26°44'39 Julian Calendar 1 Feb. 1652 BCE == Greg. Calendar 18 Jan. 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

MARCH 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 37 36	26♒23'38	8♐28	22°R31	10♓57	7♒59	28♉35	18♈36	6°R35	18°R26	26♏44	27°R50	29♍ 9	18♈38	n.a.	T 1
W 2	9 41 33	27°22'13	22° 6	21♒46	12°11	8°45	28°40	18°42	6♋34	18♎25	26°46	27♍48	29° 5	18°45	n.a.	W 2
T 3	9 45 29	28°20'46	5♑30	21° 3	13°25	9°31	28°44	18°48	6°32	18°24	26°47	27°45	29° 2	18°52	n.a.	T 3
F 4	9 49 26	29°19'17	18°40	20°23	14°39	10°16	28°49	18°54	6°31	18°23	26°49	27°41	28°59	18°58	n.a.	F 4
S 5	9 53 22	0♓17'46	1♒36	19°47	15°53	11° 2	28°54	19° 0	6°30	18°22	26°50	27°36	28°56	19° 5	n.a.	S 5
S 6	9 57 19	1°16'14	14°19	19°13	17° 6	11°48	28°59	19° 6	6°29	18°21	26°51	27°32	28°53	19°12	n.a.	S 6
M 7	10 1 15	2°14'39	26°49	18°45	18°20	12°34	29° 4	19°12	6°28	18°20	26°53	27°29	28°49	19°18	n.a.	M 7
T 8	10 5 12	3°13'02	9♓ 7	18°20	19°34	13°20	29° 9	19°19	6°27	18°19	26°54	27°26	28°46	19°25	n.a.	T 8
W 9	10 9 8	4°11'23	21°14	18° 1	20°47	14° 5	29°15	19°25	6°25	18°18	26°55	27°25	28°43	19°32	n.a.	W 9
T 10	10 13 5	5° 9'43	3♈12	17°46	22° 1	14°51	29°20	19°31	6°24	18°17	26°57	27°D25	28°40	19°38	n.a.	T 10
F 11	10 17 2	6° 8'00	15° 4	17°36	23°15	15°36	29°26	19°38	6°24	18°16	26°58	27°26	28°37	19°45	n.a.	F 11
S 12	10 20 58	7° 6'15	26°52	17°D32	24°28	16°22	29°32	19°44	6°23	18°15	26°59	27°27	28°34	19°52	n.a.	S 12
S 13	10 24 55	8° 4'28	8♉40	17°32	25°42	17° 7	29°38	19°51	6°22	18°14	27° 1	27°29	28°30	19°58	n.a.	S 13
M14	10 28 51	9° 2'38	20°34	17°37	26°55	17°53	29°45	19°58	6°21	18°13	27° 2	27°30	28°27	20° 5	n.a.	M14
T 15	10 32 48	10° 0'47	2♊36	17°48	28° 9	18°38	29°51	20° 4	6°20	18°12	27° 3	27°31	28°24	20°11	n.a.	T 15
W16	10 36 44	10°58'54	14°52	18° 3	29°22	19°24	29°57	20°11	6°20	18°11	27° 4	27°R31	28°21	20°18	n.a.	W16
T 17	10 40 41	11°56'58	27°26	18°22	0♈36	20° 9	0♊ 4	20°18	6°19	18° 9	27° 6	27°31	28°18	20°25	n.a.	T 17
F 18	10 44 37	12°55'00	10♋23	18°46	1°49	20°54	0°11	20°25	6°18	18° 8	27° 7	27°29	28°14	20°31	n.a.	F 18
S 19	10 48 34	13°53'01	23°45	19°15	3° 3	21°39	0°18	20°31	6°18	18° 7	27° 8	27°28	28°11	20°38	n.a.	S 19
S 20	10 52 30	14°50'59	7♌33	19°47	4°16	22°24	0°25	20°38	6°17	18° 6	27° 9	27°26	28° 8	20°45	n.a.	S 20
M21	10 56 27	15°48'55	21°46	20°24	5°29	23° 9	0°32	20°45	6°17	18° 4	27°10	27°25	28° 5	20°51	n.a.	M21
T 22	11 0 24	16°46'50	6♍21	21° 4	6°43	23°55	0°40	20°52	6°17	18° 3	27°11	27°24	28° 2	20°58	n.a.	T 22
W23	11 4 20	17°44'42	21°12	21°49	7°56	24°40	0°47	20°59	6°16	18° 2	27°12	27°D23	27°59	21° 5	n.a.	W23
T 24	11 8 17	18°42'33	6♎10	22°36	9° 9	25°24	0°55	21° 6	6°16	18° 0	27°14	27°23	27°55	21°11	n.a.	T 24
F 25	11 12 13	19°40'22	21° 9	23°27	10°22	26° 9	1° 2	21°14	6°16	17°59	27°15	27°24	27°52	21°18	n.a.	F 25
S 26	11 16 10	20°38'10	6♏ 0	24°22	11°36	26°54	1°10	21°21	6°16	17°58	27°16	27°24	27°49	21°25	n.a.	S 26
S 27	11 20 6	21°35'57	20°37	25°19	12°49	27°39	1°18	21°28	6°15	17°56	27°17	27°25	27°46	21°31	n.a.	S 27
M28	11 24 3	22°33'42	4♐55	26°20	14° 2	28°24	1°26	21°35	6°15	17°55	27°18	27°25	27°43	21°38	n.a.	M28
T 29	11 27 59	23°31'26	18°52	27°23	15°15	29° 8	1°35	21°43	6°D15	17°53	27°19	27°R25	27°40	21°45	n.a.	T 29
W30	11 31 56	24°29'08	2♑27	28°29	16°28	29°53	1°43	21°50	6°15	17°52	27°20	27°25	27°36	21°51	n.a.	W30
T 31	11 35 52	25♓26'50	15♑42	29♒38	17♈41	0♓38	1♊52	21♈57	6♋16	17♎50	27♑21	27♍25	27♍33	21♈58	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12s57	17s16	4n56	11s36	2n49	8s31	1s 0	19s43	1s 8	20n22	0n10	5n31	2s 4	24n17	0n34	5s27	2n 4	34s51	13s57	0n53	0n21	5n51			n.a.
W 2	12 37	18 28	5 12	12 3	2 36	8 1	0 58	19 30	1 8	20 23	0 10	5 33	2 4	24 17	0 34	5 26	2 4	34 50	13 57	0 53	0 22	5 53			n.a.
T 3	12 16	18 36	5 10	12 30	2 23	7 30	0 56	19 18	1 8	20 24	0 10	5 36	2 4	24 17	0 34	5 26	2 4	34 50	13 57	0 55	0 23	5 54			n.a.
F 4	11 55	17 44	4 53	12 56	2 8	6 59	0 55	19 5	1 8	20 26	0 10	5 38	2 3	24 17	0 34	5 26	2 4	34 50	13 57	0 56	0 25	5 56			n.a.
S 5	11 34	15 57	4 20	13 23	1 53	6 29	0 53	18 52	1 8	20 27	0 10	5 41	2 3	24 17	0 34	5 25	2 4	34 50	13 58	0 58	0 26	5 58			n.a.
S 6	11 13	13 25	3 35	13 48	1 37	5 58	0 51	18 39	1 8	20 28	0 10	5 43	2 3	24 17	0 34	5 25	2 5	34 50	13 58	1 0	0 27	6 0			n.a.
M 7	10 52	10 18	2 41	14 12	1 22	5 27	0 49	18 26	1 8	20 29	0 10	5 46	2 3	24 17	0 34	5 24	2 5	34 50	13 58	1 1	0 29	6 2			n.a.
T 8	10 31	6 46	1 39	14 35	1 6	4 55	0 47	18 13	1 8	20 30	0 10	5 49	2 3	24 17	0 34	5 24	2 5	34 50	13 58	1 2	0 30	6 3			n.a.
W 9	10 9	3 1	0 34	14 56	0 50	4 24	0 45	18 0	1 8	20 32	0 10	5 51	2 2	24 17	0 34	5 23	2 5	34 50	13 59	1 3	0 31	6 5			n.a.
T 10	9 48	0n49	0s32	15 15	0 34	3 52	0 43	17 46	1 8	20 33	0 10	5 54	2 2	24 17	0 34	5 23	2 5	34 50	13 59	1 3	0 32	6 7			n.a.
F 11	9 26	4 34	1 36	15 33	0 19	3 21	0 40	17 32	1 8	20 35	0 10	5 56	2 2	24 17	0 34	5 23	2 5	34 50	13 59	1 2	0 34	6 9			n.a.
S 12	9 4	8 8	2 36	15 49	0 4	2 49	0 38	17 18	1 8	20 36	0 11	5 59	2 2	24 17	0 34	5 22	2 5	34 50	13 59	1 2	0 35	6 11			n.a.
S 13	8 42	11 22	3 29	16 2	0s11	2 17	0 36	17 4	1 8	20 37	0 11	6 2	2 2	24 18	0 34	5 22	2 5	34 50	13 59	1 1	0 36	6 12			n.a.
M14	8 20	14 9	4 13	16 14	0 25	1 45	0 34	16 50	1 8	20 39	0 11	6 5	2 1	24 18	0 34	5 21	2 5	34 50	14 0	1 1	0 38	6 14			n.a.
T 15	7 57	16 22	4 47	16 24	0 39	1 14	0 31	16 35	1 8	20 40	0 11	6 7	2 1	24 18	0 34	5 21	2 5	34 50	14 0	1 0	0 39	6 16			n.a.
W16	7 35	17 53	5 9	16 31	0 52	0 42	0 29	16 21	1 8	20 42	0 11	6 10	2 1	24 18	0 34	5 20	2 5	34 50	14 0	1 0	0 40	6 18			n.a.
T 17	7 12	18 35	5 17	16 37	1 4	0 10	0 27	16 6	1 8	20 43	0 11	6 13	2 1	24 18	0 34	5 20	2 5	34 49	14 0	1 0	0 41	6 19			n.a.
F 18	6 50	18 20	5 9	16 40	1 15	0n22	0 24	15 51	1 8	20 45	0 11	6 16	2 1	24 18	0 34	5 19	2 5	34 49	14 1	1 1	0 43	6 21			n.a.
S 19	6 27	17 5	4 44	16 41	1 26	0 54	0 22	15 37	1 7	20 46	0 11	6 18	2 1	24 18	0 34	5 19	2 5	34 49	14 1	1 2	0 44	6 23			n.a.
S 20	6 4	14 49	4 3	16 41	1 37	1 26	0 19	15 22	1 7	20 48	0 11	6 21	2 0	24 18	0 34	5 18	2 5	34 49	14 1	1 2	0 45	6 25			n.a.
M21	5 42	11 36	3 5	16 38	1 46	1 58	0 17	15 6	1 7	20 50	0 11	6 24	2 0	24 18	0 34	5 18	2 5	34 50	14 2	1 3	0 47	6 27			n.a.
T 22	5 19	7 35	1 54	16 33	1 55	2 30	0 14	14 51	1 7	20 51	0 11	6 27	2 0	24 18	0 34	5 17	2 5	34 50	14 2	1 3	0 48	6 28			n.a.
W23	4 56	3 2	0 34	16 26	2 3	3 1	0 12	14 36	1 7	20 53	0 12	6 30	2 0	24 18	0 34	5 16	2 5	34 50	14 2	1 3	0 49	6 30			n.a.
T 24	4 33	1s45	0n49	16 17	2 10	3 33	0 9	14 20	1 7	20 55	0 12	6 32	2 0	24 18	0 34	5 16	2 5	34 50	14 2	1 3	0 50	6 32			n.a.
F 25	4 10	6 26	2 8	16 6	2 17	4 5	0 7	14 4	1 7	20 56	0 12	6 35	2 0	24 18	0 34	5 15	2 5	34 50	14 3	1 3	0 52	6 34			n.a.
S 26	3 47	10 39	3 19	15 53	2 23	4 36	0 4	13 49	1 6	20 58	0 12	6 38	1 59	24 18	0 34	5 15	2 5	34 50	14 3	1 3	0 53	6 35			n.a.
S 27	3 23	14 9	4 15	15 39	2 28	5 8	0 1	13 33	1 6	21 0	0 12	6 41	1 59	24 18	0 34	5 14	2 5	34 50	14 3	1 3	0 54	6 37			n.a.
M28	3 0	16 42	4 54	15 22	2 33	5 39	0n 1	13 17	1 6	21 2	0 12	6 44	1 59	24 18	0 34	5 14	2 5	34 50	14 4	1 3	0 56	6 39			n.a.
T 29	2 37	18 11	5 14	15 3	2 37	6 10	0 4	13 1	1 6	21 4	0 12	6 47	1 59	24 17	0 33	5 13	2 5	34 50	14 4	1 3	0 57	6 41			n.a.
W30	2 14	18 35	5 17	14 43	2 40	6 41	0 7	12 45	1 6	21 5	0 12	6 50	1 59	24 17	0 33	5 12	2 5	34 50	14 4	1 3	0 58	6 43			n.a.
T 31	1s51	17s57	5n 2	14s20	2s43	7n12	0n 9	12s29	1s 6	21n 7	0n12	6n53	1s59	24n17	0n33	5s12	2n 5	34s50	14s 4	1n 3	0n59	6n44			n.a.

Julian Day Number = 1118089.5, Delta T = 10h45m06s
Ecliptic obliquity = 23°53'05, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'36, Lahiri = -26°44'35 Julian Calendar 1 March 1652 BCE == Greg. Calendar 15 Feb. 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

APRIL 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 39 49	26♓24'30	28♑38	0♓50	18♈54	1♓22	2♊ 0	22♈ 5	6♋16	17°R49	27♑22	27°R25	27♍30	22♈ 5	n.a.	F 1
S 2	11 43 46	27°22'09	11♒17	2° 5	20° 7	2° 7	2° 9	22°12	6°16	17♎48	27°23	27°D25	27°27	22°11	n.a.	S 2
S 3	11 47 42	28°19'46	23°42	3°21	21°20	2°51	2°18	22°20	6°16	17°46	27°23	27♍25	27°24	22°18	n.a.	S 3
M 4	11 51 39	29°17'23	5♓56	4°41	22°33	3°35	2°27	22°27	6°17	17°44	27°24	27°25	27°20	22°25	n.a.	M 4
T 5	11 55 35	0♈14'58	18° 0	6° 3	23°46	4°20	2°36	22°35	6°17	17°43	27°25	27°25	27°17	22°31	n.a.	T 5
W 6	11 59 32	1°12'31	29°57	7°27	24°58	5° 4	2°45	22°42	6°17	17°41	27°26	27°R25	27°14	22°38	n.a.	W 6
T 7	12 3 28	2°10'04	11♈49	8°54	26°11	5°48	2°54	22°50	6°18	17°40	27°27	27°25	27°11	22°45	n.a.	T 7
F 8	12 7 25	3° 7'35	23°37	10°22	27°24	6°32	3° 4	22°57	6°18	17°38	27°28	27°25	27° 8	22°51	n.a.	F 8
S 9	12 11 21	4° 5'04	5♉25	11°54	28°37	7°16	3°13	23° 5	6°19	17°37	27°28	27°24	27° 5	22°58	n.a.	S 9
S 10	12 15 18	5° 2'32	17°16	13°27	29°49	8° 0	3°23	23°13	6°20	17°35	27°29	27°23	27° 1	23° 5	n.a.	S 10
M11	12 19 15	5°59'59	29°11	15° 3	1♉ 2	8°44	3°32	23°20	6°20	17°34	27°30	27°22	26°58	23°11	n.a.	M11
T 12	12 23 11	6°57'25	11♊14	16°41	2°15	9°28	3°42	23°28	6°21	17°32	27°31	27°21	26°55	23°18	n.a.	T 12
W13	12 27 8	7°54'49	23°30	18°22	3°27	10°12	3°52	23°36	6°22	17°30	27°31	27°20	26°52	23°25	n.a.	W13
T 14	12 31 4	8°52'12	6♋ 2	20° 4	4°40	10°56	4° 2	23°43	6°23	17°29	27°32	27°D20	26°49	23°31	n.a.	T 14
F 15	12 35 1	9°49'33	18°55	21°49	5°52	11°40	4°12	23°51	6°24	17°27	27°33	27°20	26°45	23°38	n.a.	F 15
S 16	12 38 57	10°46'53	2♌10	23°36	7° 5	12°24	4°22	23°59	6°25	17°26	27°33	27°21	26°42	23°45	n.a.	S 16
S 17	12 42 54	11°44'12	15°52	25°26	8°17	13° 7	4°32	24° 7	6°26	17°24	27°34	27°22	26°39	23°51	n.a.	S 17
M18	12 46 50	12°41'29	0♍ 0	27°17	9°30	13°51	4°43	24°15	6°27	17°22	27°35	27°23	26°36	23°58	n.a.	M18
T 19	12 50 47	13°38'45	14°33	29°11	10°42	14°34	4°53	24°22	6°28	17°21	27°35	27°23	26°33	24° 5	n.a.	T 19
W20	12 54 44	14°36'00	29°27	1♈ 7	11°54	15°18	5° 4	24°30	6°29	17°19	27°36	27°R24	26°30	24°11	n.a.	W20
T 21	12 58 40	15°33'14	14♎35	3° 5	13° 7	16° 1	5°14	24°38	6°30	17°18	27°36	27°23	26°26	24°18	n.a.	T 21
F 22	13 2 37	16°30'27	29°48	5° 5	14°19	16°44	5°25	24°46	6°31	17°16	27°37	27°22	26°23	24°25	n.a.	F 22
S 23	13 6 33	17°27'39	14♏56	7° 7	15°31	17°28	5°36	24°54	6°33	17°14	27°37	27°20	26°20	24°31	n.a.	S 23
S 24	13 10 30	18°24'51	29°50	9°11	16°43	18°11	5°46	25° 2	6°34	17°13	27°38	27°17	26°17	24°38	n.a.	S 24
M25	13 14 26	19°22'02	14♐24	11°17	17°55	18°54	5°57	25° 9	6°35	17°11	27°38	27°14	26°14	24°44	n.a.	M25
T 26	13 18 23	20°19'13	28°31	13°24	19° 8	19°37	6° 8	25°17	6°37	17°10	27°38	27°12	26°11	24°51	n.a.	T 26
W27	13 22 19	21°16'23	12♑12	15°32	20°20	20°20	6°19	25°25	6°38	17° 8	27°39	27°11	26° 7	24°58	n.a.	W27
T 28	13 26 16	22°13'33	25°26	17°42	21°32	21° 3	6°30	25°33	6°40	17° 6	27°39	27°D11	26° 4	25° 4	n.a.	T 28
F 29	13 30 13	23°10'42	8♒17	19°52	22°44	21°46	6°42	25°41	6°42	17° 5	27°39	27°11	26° 1	25°11	n.a.	F 29
S 30	13 34 9	24♈ 7'51	20♒48	22♈ 3	23♉56	22♓29	6♊53	25♈49	6♋43	17♎ 3	27♑40	27♍13	25♍58	25♈18	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s27	16s23	4n32	13s56	2s45	7n43	0n12	12s12	1s 5	21n 9	0n12	6n56	1s58	24n17	0n33	5s11	2n 5	34s50	14s 5	1n 3	1n 1	6n46		n.a.
S 2	1 4	14 2	3 49	13 30	2 46	8 14	0 15	11 56	1 5	21 11	0 12	6 58	1 58	24 17	0 33	5 11	2 6	34 50	14 5	1 3	1 2	6 48		n.a.
S 3	0 41	11 5	2 57	13 2	2 46	8 44	0 17	11 39	1 5	21 13	0 13	7 1	1 58	24 17	0 33	5 10	2 6	34 50	14 5	1 3	1 3	6 50		n.a.
M 4	0 17	7 42	1 57	12 33	2 46	9 14	0 20	11 23	1 5	21 15	0 13	7 4	1 58	24 17	0 33	5 10	2 6	34 50	14 6	1 3	1 5	6 51		n.a.
T 5	0n 6	4 2	0 52	12 1	2 46	9 44	0 23	11 6	1 5	21 17	0 13	7 7	1 58	24 17	0 33	5 9	2 6	34 51	14 6	1 3	1 6	6 53		n.a.
W 6	0 29	0 14	0s14	11 28	2 44	10 14	0 25	10 49	1 4	21 18	0 13	7 10	1 58	24 17	0 33	5 8	2 6	34 51	14 6	1 3	1 7	6 55		n.a.
T 7	0 53	3n33	1 19	10 53	2 43	10 44	0 28	10 33	1 4	21 20	0 13	7 13	1 58	24 17	0 33	5 8	2 6	34 51	14 7	1 3	1 8	6 57		n.a.
F 8	1 16	7 10	2 21	10 17	2 40	11 13	0 31	10 16	1 4	21 22	0 13	7 16	1 58	24 17	0 33	5 7	2 6	34 51	14 7	1 3	1 10	6 58		n.a.
S 9	1 39	10 30	3 16	9 38	2 37	11 42	0 33	9 59	1 4	21 24	0 13	7 19	1 57	24 17	0 33	5 6	2 6	34 51	14 7	1 3	1 11	7 0		n.a.
S 10	2 2	13 25	4 3	8 58	2 33	12 11	0 36	9 42	1 3	21 26	0 13	7 22	1 57	24 17	0 33	5 6	2 6	34 51	14 8	1 4	1 12	7 2		n.a.
M11	2 26	15 48	4 40	8 17	2 29	12 39	0 39	9 25	1 3	21 28	0 13	7 25	1 57	24 17	0 33	5 5	2 6	34 51	14 8	1 4	1 14	7 4		n.a.
T 12	2 49	17 31	5 5	7 33	2 24	13 7	0 41	9 8	1 3	21 30	0 13	7 28	1 57	24 17	0 33	5 5	2 6	34 52	14 8	1 4	1 15	7 6		n.a.
W13	3 12	18 27	5 16	6 48	2 19	13 35	0 44	8 51	1 3	21 32	0 13	7 31	1 57	24 17	0 33	5 4	2 6	34 52	14 9	1 5	1 16	7 7		n.a.
T 14	3 35	18 31	5 14	6 2	2 13	14 3	0 46	8 34	1 2	21 34	0 13	7 34	1 57	24 17	0 33	5 3	2 6	34 52	14 9	1 5	1 17	7 9		n.a.
F 15	3 58	17 39	4 55	5 14	2 6	14 30	0 49	8 16	1 2	21 36	0 14	7 37	1 57	24 17	0 33	5 3	2 6	34 52	14 9	1 5	1 19	7 11		n.a.
S 16	4 21	15 49	4 21	4 24	1 59	14 57	0 52	7 59	1 2	21 38	0 14	7 40	1 57	24 17	0 33	5 2	2 6	34 52	14 10	1 5	1 20	7 13		n.a.
S 17	4 43	13 2	3 30	3 33	1 51	15 23	0 54	7 42	1 1	21 40	0 14	7 43	1 57	24 17	0 33	5 1	2 6	34 53	14 10	1 4	1 21	7 14		n.a.
M18	5 6	9 24	2 26	2 40	1 43	15 49	0 57	7 24	1 1	21 42	0 14	7 46	1 57	24 16	0 33	5 1	2 6	34 53	14 10	1 4	1 23	7 16		n.a.
T 19	5 29	5 7	1 11	1 46	1 35	16 15	0 59	7 7	1 1	21 44	0 14	7 49	1 56	24 16	0 33	5 0	2 6	34 53	14 11	1 3	1 24	7 18		n.a.
W20	5 51	0 24	0n11	0 51	1 26	16 40	1 2	6 50	1 1	21 46	0 14	7 52	1 56	24 16	0 33	5 0	2 6	34 53	14 11	1 3	1 25	7 20		n.a.
T 21	6 14	4s25	1 34	0n 5	1 17	17 5	1 4	6 32	1 0	21 48	0 14	7 55	1 56	24 16	0 33	4 59	2 6	34 54	14 11	1 3	1 26	7 21		n.a.
F 22	6 36	8 58	2 50	1 2	1 7	17 29	1 7	6 15	1 0	21 50	0 14	7 58	1 56	24 16	0 33	4 58	2 6	34 54	14 12	1 4	1 28	7 23		n.a.
S 23	6 59	12 54	3 53	2 0	0 57	17 53	1 9	5 57	1 0	21 52	0 14	8 1	1 56	24 16	0 33	4 58	2 6	34 54	14 12	1 5	1 29	7 25		n.a.
S 24	7 21	15 56	4 40	3 0	0 47	18 17	1 11	5 40	0 59	21 54	0 14	8 4	1 56	24 16	0 33	4 57	2 6	34 54	14 13	1 6	1 30	7 27		n.a.
M25	7 43	17 52	5 7	3 59	0 36	18 40	1 14	5 22	0 59	21 56	0 14	8 7	1 56	24 16	0 33	4 56	2 6	34 54	14 13	1 7	1 32	7 28		n.a.
T 26	8 5	18 37	5 15	4 59	0 26	19 3	1 16	5 5	0 59	21 58	0 15	8 10	1 56	24 16	0 33	4 56	2 6	34 55	14 13	1 8	1 33	7 30		n.a.
W27	8 27	18 15	5 5	6 0	0 15	19 25	1 18	4 47	0 58	22 0	0 15	8 13	1 56	24 16	0 33	4 55	2 6	34 55	14 14	1 8	1 34	7 32		n.a.
T 28	8 49	16 54	4 38	7 0	0 4	19 46	1 20	4 30	0 58	22 2	0 15	8 16	1 56	24 16	0 33	4 55	2 6	34 55	14 14	1 9	1 35	7 34		n.a.
F 29	9 10	14 42	3 58	8 0	0n 6	20 7	1 22	4 12	0 58	22 4	0 15	8 19	1 56	24 15	0 33	4 54	2 6	34 56	14 14	1 8	1 37	7 35		n.a.
S 30	9n32	11s52	3n 7	9n 0	0n17	20n28	1n25	3s54	0s57	22n 6	0n15	8n22	1s56	24n15	0n33	4s53	2n 6	34s56	14s15	1n 8	1n38	7n37		n.a.

Julian Day Number = 1118120.5, Delta T = 10h45m04s
Ecliptic obliquity = 23°53'06, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'32, Lahiri = -26°44'31 Julian Calendar 1 Apr. 1652 BCE == Greg. Calendar 18 March 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

MAY 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 38 6	25♈ 5'00	3♓ 3	24♈14	25♉ 7	23♓12	7♊ 4	25♈57	6♋45	17°R 1	27♑40	27♍14	25♍55	25♈24	n.a.	S 1
M 2	13 42 2	26° 2'08	15° 6	26°26	26°19	23°55	7°16	26° 5	6°47	17♎ 0	27°40	27°16	25°51	25°31	n.a.	M 2
T 3	13 45 59	26°59'16	27° 1	28°37	27°31	24°37	7°27	26°13	6°48	16°58	27°41	27°R16	25°48	25°38	n.a.	T 3
W 4	13 49 55	27°56'23	8♈51	0♉48	28°43	25°20	7°39	26°21	6°50	16°57	27°41	27°16	25°45	25°44	n.a.	W 4
T 5	13 53 52	28°53'31	20°39	2°59	29°55	26° 3	7°50	26°29	6°52	16°55	27°41	27°14	25°42	25°51	n.a.	T 5
F 6	13 57 48	29°50'37	2♉27	5° 8	1♊ 6	26°45	8° 2	26°36	6°54	16°54	27°41	27°10	25°39	25°58	n.a.	F 6
S 7	14 1 45	0♉47'44	14°18	7°16	2°18	27°28	8°14	26°44	6°56	16°52	27°41	27° 5	25°36	26° 4	n.a.	S 7
S 8	14 5 42	1°44'50	26°13	9°23	3°30	28°10	8°26	26°52	6°58	16°50	27°41	26°59	25°32	26°11	n.a.	S 8
M 9	14 9 38	2°41'55	8♊14	11°28	4°41	28°52	8°37	27° 0	7° 0	16°49	27°41	26°53	25°29	26°18	n.a.	M 9
T 10	14 13 35	3°39'01	20°24	13°32	5°53	29°35	8°49	27° 8	7° 2	16°47	27°42	26°47	25°26	26°24	n.a.	T 10
W11	14 17 31	4°36'05	2♋44	15°34	7° 4	0♈17	9° 1	27°16	7° 5	16°46	27°42	26°42	25°23	26°31	n.a.	W11
T 12	14 21 28	5°33'10	15°18	17°34	8°15	0°59	9°13	27°24	7° 7	16°44	27°42	26°38	25°20	26°38	n.a.	T 12
F 13	14 25 24	6°30'14	28° 9	19°32	9°27	1°41	9°25	27°32	7° 9	16°43	27°R42	26°37	25°17	26°44	n.a.	F 13
S 14	14 29 21	7°27'17	11♌20	21°28	10°38	2°23	9°38	27°40	7°11	16°41	27°42	26°D36	25°13	26°51	n.a.	S 14
S 15	14 33 18	8°24'20	24°53	23°23	11°49	3° 5	9°50	27°47	7°14	16°40	27°42	26°37	25°10	26°58	n.a.	S 15
M16	14 37 14	9°21'23	8♍50	25°15	13° 1	3°47	10° 2	27°55	7°16	16°38	27°42	26°38	25° 7	27° 4	n.a.	M16
T 17	14 41 11	10°18'25	23°12	27° 5	14°12	4°29	10°14	28° 3	7°18	16°37	27°41	26°R39	25° 4	27°11	n.a.	T 17
W18	14 45 7	11°15'27	7♎57	28°52	15°23	5°10	10°27	28°11	7°21	16°35	27°41	26°39	25° 1	27°18	n.a.	W18
T 19	14 49 4	12°12'29	22°59	0♏38	16°34	5°52	10°39	28°19	7°23	16°34	27°41	26°37	24°57	27°24	n.a.	T 19
F 20	14 53 0	13° 9'30	8♏10	2°22	17°45	6°34	10°51	28°26	7°26	16°33	27°41	26°32	24°54	27°31	n.a.	F 20
S 21	14 56 57	14° 6'32	23°22	4° 3	18°56	7°15	11° 4	28°34	7°28	16°31	27°41	26°26	24°51	27°38	n.a.	S 21
S 22	15 0 53	15° 3'34	8♐23	5°42	20° 7	7°57	11°16	28°42	7°31	16°30	27°41	26°19	24°48	27°44	n.a.	S 22
M23	15 4 50	16° 0'37	23° 6	7°19	21°17	8°38	11°29	28°49	7°34	16°28	27°40	26°12	24°45	27°51	n.a.	M23
T 24	15 8 47	16°57'40	7♑22	8°54	22°28	9°20	11°41	28°57	7°36	16°27	27°40	26° 6	24°42	27°58	n.a.	T 24
W25	15 12 43	17°54'43	21°10	10°27	23°39	10° 1	11°54	29° 5	7°39	16°26	27°40	26° 1	24°38	28° 4	n.a.	W25
T 26	15 16 40	18°51'47	4♒29	11°58	24°49	10°42	12° 7	29°12	7°42	16°25	27°40	25°58	24°35	28°11	n.a.	T 26
F 27	15 20 36	19°48'51	17°21	13°26	26° 0	11°23	12°19	29°20	7°45	16°23	27°39	25°D57	24°32	28°18	n.a.	F 27
S 28	15 24 33	20°45'56	29°51	14°53	27°10	12° 4	12°32	29°28	7°47	16°22	27°39	25°57	24°29	28°24	n.a.	S 28
S 29	15 28 29	21°43'02	12♓ 2	16°17	28°21	12°46	12°45	29°35	7°50	16°21	27°39	25°58	24°26	28°31	n.a.	S 29
M30	15 32 26	22°40'08	24° 1	17°38	29°31	13°27	12°58	29°43	7°53	16°19	27°38	25°R59	24°22	28°38	n.a.	M30
T 31	15 36 23	23♉37'15	5♈53	18♊58	0♋42	14♈ 7	13♊11	29♈50	7♋56	16♎18	27♑38	25♍58	24♍19	28♈45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n53	8s34	2n 9	9n59	0n27	20n48	1n27	3s37	0s57	22n 8	0n15	8n25	1s56	24n15	0n33	4s53	2n 6	34s56	14s15	1n 7	1n39	7n39		n.a.
M 2	10 14	4 57	1 6	10 57	0 37	21 7	1 29	3 19	0 56	22 10	0 15	8 28	1 55	24 15	0 33	4 52	2 6	34 56	14 15	1 6	1 41	7 41		n.a.
T 3	10 35	1 11	0 1	11 55	0 47	21 26	1 31	3 2	0 56	22 12	0 15	8 31	1 55	24 15	0 33	4 52	2 6	34 57	14 16	1 6	1 42	7 42		n.a.
W 4	10 56	2n37	1s 3	12 50	0 56	21 45	1 32	2 44	0 56	22 14	0 15	8 34	1 55	24 15	0 33	4 51	2 6	34 57	14 16	1 6	1 43	7 44		n.a.
T 5	11 17	6 17	2 5	13 45	1 5	22 2	1 34	2 27	0 55	22 16	0 15	8 37	1 55	24 15	0 33	4 50	2 6	34 57	14 17	1 7	1 44	7 46		n.a.
F 6	11 37	9 44	3 1	14 37	1 13	22 20	1 36	2 9	0 55	22 18	0 15	8 40	1 55	24 15	0 33	4 50	2 6	34 58	14 17	1 9	1 46	7 47		n.a.
S 7	11 58	12 47	3 49	15 28	1 21	22 36	1 38	1 51	0 54	22 20	0 15	8 43	1 55	24 15	0 33	4 49	2 6	34 58	14 17	1 11	1 47	7 49		n.a.
S 8	12 18	15 20	4 28	16 17	1 28	22 52	1 39	1 34	0 54	22 22	0 16	8 46	1 55	24 14	0 33	4 49	2 6	34 58	14 18	1 13	1 48	7 51		n.a.
M 9	12 38	17 14	4 55	17 3	1 35	23 7	1 41	1 16	0 54	22 24	0 16	8 48	1 55	24 14	0 33	4 48	2 6	34 59	14 18	1 16	1 50	7 53		n.a.
T 10	12 58	18 24	5 9	17 48	1 41	23 22	1 43	0 59	0 53	22 26	0 16	8 51	1 55	24 14	0 33	4 47	2 5	34 59	14 18	1 18	1 51	7 54		n.a.
W11	13 18	18 42	5 9	18 30	1 46	23 36	1 44	0 41	0 53	22 28	0 16	8 54	1 55	24 14	0 33	4 47	2 5	34 59	14 19	1 20	1 52	7 56		n.a.
T 12	13 37	18 7	4 55	19 9	1 51	23 50	1 46	0 24	0 52	22 30	0 16	8 57	1 55	24 14	0 33	4 46	2 5	35 0	14 19	1 22	1 53	7 58		n.a.
F 13	13 56	16 35	4 25	19 47	1 55	24 2	1 47	0 7	0 52	22 32	0 16	9 0	1 55	24 14	0 33	4 46	2 5	35 0	14 19	1 22	1 55	8 0		n.a.
S 14	14 15	14 10	3 41	20 22	1 58	24 14	1 48	0n11	0 51	22 34	0 16	9 3	1 55	24 14	0 33	4 45	2 5	35 0	14 20	1 22	1 56	8 1		n.a.
S 15	14 34	10 54	2 44	20 54	2 0	24 26	1 49	0 28	0 51	22 36	0 16	9 6	1 55	24 13	0 33	4 45	2 5	35 1	14 20	1 22	1 57	8 3		n.a.
M16	14 53	6 56	1 35	21 24	2 2	24 37	1 51	0 46	0 51	22 38	0 16	9 9	1 55	24 13	0 32	4 44	2 5	35 1	14 21	1 22	1 59	8 5		n.a.
T 17	15 11	2 28	0 19	21 52	2 4	24 47	1 52	1 3	0 50	22 40	0 16	9 11	1 55	24 13	0 32	4 44	2 5	35 2	14 21	1 21	2 0	8 7		n.a.
W18	15 29	2s17	1n 1	22 18	2 4	24 56	1 53	1 20	0 50	22 42	0 16	9 14	1 55	24 13	0 32	4 43	2 5	35 2	14 21	1 21	2 1	8 8		n.a.
T 19	15 47	6 58	2 18	22 41	2 4	25 4	1 53	1 37	0 49	22 44	0 16	9 17	1 55	24 13	0 32	4 42	2 5	35 2	14 22	1 22	2 2	8 10		n.a.
F 20	16 5	11 15	3 25	23 2	2 3	25 12	1 54	1 55	0 49	22 46	0 17	9 20	1 55	24 13	0 32	4 42	2 5	35 3	14 22	1 24	2 4	8 12		n.a.
S 21	16 22	14 48	4 18	23 21	2 2	25 19	1 55	2 12	0 48	22 48	0 17	9 23	1 55	24 13	0 32	4 41	2 5	35 3	14 22	1 26	2 5	8 13		n.a.
S 22	16 39	17 18	4 53	23 37	2 0	25 26	1 56	2 29	0 48	22 49	0 17	9 25	1 55	24 12	0 32	4 41	2 5	35 3	14 23	1 29	2 6	8 15		n.a.
M23	16 56	18 35	5 7	23 52	1 57	25 32	1 56	2 46	0 47	22 51	0 17	9 28	1 55	24 12	0 32	4 40	2 5	35 4	14 23	1 32	2 8	8 17		n.a.
T 24	17 13	18 39	5 2	24 4	1 54	25 37	1 57	3 3	0 47	22 53	0 17	9 31	1 55	24 12	0 32	4 40	2 5	35 4	14 23	1 35	2 9	8 19		n.a.
W25	17 29	17 36	4 39	24 15	1 50	25 41	1 57	3 20	0 46	22 55	0 17	9 34	1 55	24 12	0 32	4 39	2 5	35 5	14 24	1 37	2 10	8 20		n.a.
T 26	17 45	15 36	4 1	24 24	1 46	25 44	1 58	3 37	0 46	22 57	0 17	9 36	1 55	24 12	0 32	4 39	2 5	35 5	14 24	1 38	2 11	8 22		n.a.
F 27	18 1	12 52	3 13	24 30	1 41	25 47	1 58	3 54	0 45	22 59	0 17	9 39	1 55	24 11	0 32	4 39	2 5	35 6	14 25	1 38	2 13	8 24		n.a.
S 28	18 17	9 37	2 16	24 35	1 36	25 49	1 58	4 10	0 45	23 0	0 17	9 42	1 55	24 11	0 32	4 38	2 5	35 6	14 25	1 38	2 14	8 25		n.a.
S 29	18 32	6 2	1 14	24 39	1 30	25 51	1 58	4 27	0 44	23 2	0 17	9 45	1 55	24 11	0 32	4 38	2 5	35 6	14 25	1 38	2 15	8 27		n.a.
M30	18 47	2 15	0 11	24 41	1 23	25 51	1 58	4 44	0 44	23 4	0 17	9 47	1 55	24 11	0 32	4 37	2 5	35 7	14 26	1 38	2 16	8 29		n.a.
T 31	19n 1	1n34	0s53	24n41	1n16	25n51	1n58	5n 1	0s43	23n 6	0n18	9n50	1s55	24n11	0n32	4s37	2n 5	35s 7	14s26	1n38	2n18	8n31		n.a.

Julian Day Number = 1118150.5, Delta T = 10h45m02s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'28, Lahiri = -26°44'27 Julian Calendar 1 May 1652 BCE == Greg. Calendar 17 Apr. 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

JUNE 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 40 19	24♉34'22	17♈40	20♊15	1♋52	14♈48	13♊23	29♈58	7♋59	16°R17	27°R37	25°R56	24♍16	28♈51	n.a.	W 1
T 2	15 44 16	25°31'30	29°28	21°30	3° 2	15°29	13°36	0♉ 5	8° 2	16♎16	27♑37	25♍51	24°13	28°58	n.a.	T 2
F 3	15 48 12	26°28'39	11♉18	22°42	4°12	16°10	13°49	0°12	8° 5	16°15	27°36	25°44	24°10	29° 5	n.a.	F 3
S 4	15 52 9	27°25'49	23°15	23°51	5°22	16°51	14° 2	0°20	8° 8	16°14	27°36	25°34	24° 7	29°11	n.a.	S 4
S 5	15 56 5	28°22'59	5♊18	24°58	6°32	17°31	14°15	0°27	8°11	16°13	27°35	25°23	24° 3	29°18	n.a.	S 5
M 6	16 0 2	29°20'10	17°30	26° 3	7°42	18°12	14°28	0°34	8°14	16°11	27°35	25°12	24° 0	29°25	n.a.	M 6
T 7	16 3 58	0♊17'21	29°51	27° 4	8°52	18°52	14°41	0°42	8°17	16°10	27°34	25° 1	23°57	29°31	n.a.	T 7
W 8	16 7 55	1°14'33	12♋22	28° 3	10° 2	19°33	14°54	0°49	8°21	16° 9	27°34	24°51	23°54	29°38	n.a.	W 8
T 9	16 11 52	2°11'45	25° 6	28°58	11°11	20°13	15° 7	0°56	8°24	16° 8	27°33	24°43	23°51	29°45	n.a.	T 9
F 10	16 15 48	3° 8'58	8♌ 2	29°51	12°21	20°53	15°20	1° 3	8°27	16° 7	27°33	24°38	23°48	29°51	n.a.	F 10
S 11	16 19 45	4° 6'12	21°14	0♋40	13°30	21°33	15°33	1°10	8°30	16° 6	27°32	24°36	23°44	29°58	n.a.	S 11
S 12	16 23 41	5° 3'26	4♍43	1°25	14°40	22°14	15°46	1°17	8°34	16° 5	27°31	24°D35	23°41	0♉ 5	n.a.	S 12
M13	16 27 38	6° 0'41	18°32	2° 8	15°49	22°54	16° 0	1°24	8°37	16° 5	27°31	24°R36	23°38	0°11	n.a.	M13
T 14	16 31 34	6°57'56	2♎41	2°46	16°58	23°34	16°13	1°31	8°40	16° 4	27°30	24°35	23°35	0°18	n.a.	T 14
W15	16 35 31	7°55'12	17° 9	3°20	18° 8	24°13	16°26	1°38	8°44	16° 3	27°29	24°34	23°32	0°25	n.a.	W15
T 16	16 39 28	8°52'28	1♏55	3°51	19°17	24°53	16°39	1°45	8°47	16° 2	27°28	24°30	23°28	0°31	n.a.	T 16
F 17	16 43 24	9°49'46	16°51	4°17	20°26	25°33	16°52	1°52	8°50	16° 1	27°28	24°23	23°25	0°38	n.a.	F 17
S 18	16 47 21	10°47'04	1♐51	4°39	21°34	26°13	17° 5	1°59	8°54	16° 0	27°27	24°14	23°22	0°45	n.a.	S 18
S 19	16 51 17	11°44'23	16°45	4°56	22°43	26°52	17°19	2° 6	8°57	16° 0	27°26	24° 4	23°19	0°51	n.a.	S 19
M20	16 55 14	12°41'44	1♑24	5° 8	23°52	27°32	17°32	2°12	9° 1	15°59	27°25	23°53	23°16	0°58	n.a.	M20
T 21	16 59 10	13°39'06	15°40	5°15	25° 0	28°12	17°45	2°19	9° 4	15°58	27°24	23°43	23°13	1° 5	n.a.	T 21
W22	17 3 7	14°36'29	29°30	5°R18	26° 9	28°51	17°58	2°26	9° 8	15°58	27°24	23°35	23° 9	1°11	n.a.	W22
T 23	17 7 3	15°33'53	12♒52	5°15	27°17	29°30	18°11	2°32	9°11	15°57	27°23	23°29	23° 6	1°18	n.a.	T 23
F 24	17 11 0	16°31'19	25°47	5° 6	28°25	0♉10	18°25	2°39	9°15	15°56	27°22	23°26	23° 3	1°25	n.a.	F 24
S 25	17 14 57	17°28'46	8♓19	4°53	29°34	0°49	18°38	2°45	9°18	15°56	27°21	23°25	23° 0	1°31	n.a.	S 25
S 26	17 18 53	18°26'15	20°31	4°34	0♌42	1°28	18°51	2°51	9°22	15°55	27°20	23°25	22°57	1°38	n.a.	S 26
M27	17 22 50	19°23'45	2♈30	4°10	1°49	2° 7	19° 4	2°58	9°25	15°55	27°19	23°25	22°54	1°45	n.a.	M27
T 28	17 26 46	20°21'17	14°21	3°41	2°57	2°46	19°18	3° 4	9°29	15°54	27°18	23°23	22°50	1°51	n.a.	T 28
W29	17 30 43	21°18'51	26° 9	3° 7	4° 5	3°25	19°31	3°10	9°33	15°54	27°17	23°20	22°47	1°58	n.a.	W29
T 30	17 34 39	22♊16'26	7♉59	2♋29	5♌12	4♉ 4	19♊44	3♉16	9♋36	15♎53	27♑16	23♍14	22♍44	2♉ 5	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19n16	5n19	1s54	24n39	1n 8	25n50	1n58	5n17	0s43	23n 7	0n18	9n52	1s55	24n11	0n32	4s36	2n 5	35s 8	14s26	1n39	2n19	8n32		n.a.
T 2	19 30	8 51	2 49	24 37	1 0	25 48	1 58	5 34	0 42	23 9	0 18	9 55	1 55	24 10	0 32	4 36	2 5	35 8	14 27	1 41	2 20	8 34		n.a.
F 3	19 44	12 3	3 38	24 32	0 52	25 46	1 57	5 50	0 42	23 11	0 18	9 58	1 55	24 10	0 32	4 36	2 5	35 8	14 27	1 44	2 22	8 36		n.a.
S 4	19 57	14 47	4 17	24 27	0 43	25 43	1 57	6 6	0 41	23 12	0 18	10 0	1 55	24 10	0 32	4 35	2 5	35 9	14 27	1 48	2 23	8 37		n.a.
S 5	20 10	16 55	4 45	24 20	0 33	25 39	1 56	6 23	0 40	23 14	0 18	10 3	1 55	24 10	0 32	4 35	2 4	35 9	14 28	1 52	2 24	8 39		n.a.
M 6	20 23	18 18	5 0	24 13	0 23	25 35	1 55	6 39	0 40	23 16	0 18	10 5	1 55	24 10	0 32	4 34	2 4	35 10	14 28	1 57	2 25	8 41		n.a.
T 7	20 35	18 51	5 2	24 4	0 13	25 29	1 55	6 55	0 39	23 17	0 18	10 8	1 55	24 9	0 32	4 34	2 4	35 10	14 28	2 1	2 27	8 42		n.a.
W 8	20 47	18 30	4 49	23 54	0 2	25 23	1 54	7 11	0 39	23 19	0 18	10 10	1 55	24 9	0 32	4 34	2 4	35 11	14 29	2 5	2 28	8 44		n.a.
T 9	20 59	17 13	4 22	23 44	0s 9	25 17	1 53	7 27	0 38	23 20	0 18	10 13	1 55	24 9	0 32	4 33	2 4	35 11	14 29	2 8	2 29	8 46		n.a.
F 10	21 11	15 2	3 41	23 33	0 20	25 9	1 52	7 43	0 38	23 22	0 18	10 15	1 55	24 9	0 32	4 33	2 4	35 12	14 29	2 10	2 31	8 48		n.a.
S 11	21 22	12 3	2 48	23 21	0 32	25 1	1 51	7 59	0 37	23 24	0 19	10 18	1 55	24 8	0 32	4 33	2 4	35 12	14 29	2 11	2 32	8 49		n.a.
S 12	21 32	8 21	1 44	23 8	0 44	24 52	1 49	8 15	0 36	23 25	0 19	10 20	1 55	24 8	0 32	4 32	2 4	35 12	14 30	2 11	2 33	8 51		n.a.
M13	21 43	4 7	0 32	22 55	0 57	24 43	1 48	8 31	0 36	23 27	0 19	10 23	1 56	24 8	0 32	4 32	2 4	35 13	14 30	2 11	2 34	8 53		n.a.
T 14	21 53	0s26	0n43	22 42	1 10	24 33	1 47	8 46	0 35	23 28	0 19	10 25	1 56	24 8	0 32	4 32	2 4	35 13	14 30	2 11	2 36	8 54		n.a.
W15	22 2	5 4	1 57	22 28	1 23	24 22	1 45	9 2	0 35	23 30	0 19	10 28	1 56	24 8	0 32	4 31	2 4	35 14	14 31	2 12	2 37	8 56		n.a.
T 16	22 11	9 29	3 4	22 14	1 36	24 10	1 43	9 17	0 34	23 31	0 19	10 30	1 56	24 7	0 32	4 31	2 4	35 14	14 31	2 13	2 38	8 58		n.a.
F 17	22 20	13 21	4 0	22 0	1 49	23 58	1 42	9 32	0 33	23 32	0 19	10 32	1 56	24 7	0 32	4 31	2 4	35 15	14 31	2 16	2 40	8 59		n.a.
S 18	22 29	16 22	4 39	21 46	2 3	23 45	1 40	9 48	0 33	23 34	0 19	10 35	1 56	24 7	0 32	4 31	2 4	35 15	14 32	2 20	2 41	9 1		n.a.
S 19	22 37	18 15	4 59	21 31	2 16	23 32	1 38	10 3	0 32	23 35	0 19	10 37	1 56	24 7	0 32	4 30	2 4	35 16	14 32	2 24	2 42	9 3		n.a.
M20	22 44	18 54	4 59	21 18	2 30	23 18	1 36	10 18	0 32	23 37	0 19	10 39	1 56	24 6	0 32	4 30	2 4	35 16	14 32	2 28	2 43	9 5		n.a.
T 21	22 52	18 19	4 40	21 4	2 43	23 3	1 33	10 33	0 31	23 38	0 19	10 41	1 56	24 6	0 32	4 30	2 4	35 16	14 32	2 32	2 45	9 6		n.a.
W22	22 59	16 39	4 5	20 51	2 56	22 48	1 31	10 48	0 30	23 39	0 20	10 44	1 56	24 6	0 32	4 30	2 4	35 17	14 33	2 36	2 46	9 8		n.a.
T 23	23 5	14 7	3 17	20 38	3 9	22 32	1 29	11 2	0 30	23 41	0 20	10 46	1 56	24 6	0 32	4 30	2 3	35 17	14 33	2 38	2 47	9 10		n.a.
F 24	23 11	10 57	2 21	20 26	3 21	22 16	1 26	11 17	0 29	23 42	0 20	10 48	1 56	24 5	0 32	4 30	2 3	35 18	14 33	2 39	2 48	9 11		n.a.
S 25	23 17	7 23	1 19	20 14	3 33	21 59	1 24	11 32	0 28	23 43	0 20	10 50	1 56	24 5	0 32	4 29	2 3	35 18	14 33	2 40	2 50	9 13		n.a.
S 26	23 22	3 35	0 15	20 4	3 45	21 41	1 21	11 46	0 28	23 44	0 20	10 52	1 56	24 5	0 32	4 29	2 3	35 19	14 34	2 40	2 51	9 15		n.a.
M27	23 27	0n17	0s48	19 54	3 55	21 23	1 18	12 0	0 27	23 46	0 20	10 54	1 57	24 5	0 32	4 29	2 3	35 19	14 34	2 40	2 52	9 16		n.a.
T 28	23 32	4 6	1 49	19 45	4 5	21 5	1 15	12 15	0 26	23 47	0 20	10 56	1 57	24 4	0 32	4 29	2 3	35 20	14 34	2 40	2 54	9 18		n.a.
W29	23 36	7 44	2 44	19 38	4 13	20 46	1 12	12 29	0 26	23 48	0 20	10 58	1 57	24 4	0 32	4 29	2 3	35 20	14 34	2 42	2 55	9 20		n.a.
T 30	23n39	11n 5	3s33	19n32	4s20	20n26	1n 9	12n43	0s25	23n49	0n20	11n 0	1s57	24n 4	0n32	4s29	2n 3	35s20	14s35	2n44	2n56	9n21		n.a.

Julian Day Number = 1118181.5, Delta T = 10h45m01s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'23, Lahiri = -26°44'23 Julian Calendar 1 June 1652 BCE == Greg. Calendar 18 May 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

JULY 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 38 36	23♊14'02	19♉54	1°R47	6♌20	4♉43	19♊57	3♉22	9♋40	15°R53	27°R15	23°R 6	22♍41	2♉11	n.a.	F 1
S 2	17 42 32	24°11'41	1♊58	1♋ 2	7°27	5°22	20°11	3°28	9°44	15♎53	27♏14	22♍55	22°38	2°18	n.a.	S 2
S 3	17 46 29	25° 9'20	14°12	0°14	8°34	6° 0	20°24	3°34	9°47	15°52	27°13	22°42	22°34	2°25	n.a.	S 3
M 4	17 50 26	26° 7'02	26°37	29♊24	9°41	6°39	20°37	3°40	9°51	15°52	27°12	22°29	22°31	2°31	n.a.	M 4
T 5	17 54 22	27° 4'45	9♋15	28°34	10°48	7°17	20°50	3°46	9°55	15°52	27°11	22°16	22°28	2°38	n.a.	T 5
W 6	17 58 19	28° 2'29	22° 3	27°43	11°55	7°56	21° 3	3°52	9°58	15°52	27°10	22° 4	22°25	2°45	n.a.	W 6
T 7	18 2 15	29° 0'15	5♌ 4	26°54	13° 1	8°34	21°17	3°57	10° 2	15°51	27° 9	21°55	22°22	2°51	n.a.	T 7
F 8	18 6 12	29°58'03	18°15	26° 6	14° 8	9°12	21°30	4° 3	10° 6	15°51	27° 8	21°49	22°19	2°58	n.a.	F 8
S 9	18 10 8	0♋55'51	1♍38	25°22	15°14	9°51	21°43	4° 8	10°10	15°51	27° 7	21°46	22°15	3° 5	n.a.	S 9
S 10	18 14 5	1°53'41	15°13	24°41	16°20	10°29	21°56	4°14	10°13	15°51	27° 6	21°45	22°12	3°12	n.a.	S 10
M11	18 18 1	2°51'32	29° 1	24° 5	17°26	11° 7	22° 9	4°19	10°17	15°51	27° 5	21°45	22° 9	3°18	n.a.	M11
T 12	18 21 58	3°49'25	13♎ 2	23°35	18°32	11°45	22°22	4°25	10°21	15°51	27° 4	21°44	22° 6	3°25	n.a.	T 12
W13	18 25 55	4°47'19	27°16	23°12	19°37	12°22	22°35	4°30	10°25	15°D51	27° 2	21°43	22° 3	3°32	n.a.	W13
T 14	18 29 51	5°45'15	11♏42	22°55	20°43	13° 0	22°48	4°35	10°28	15°51	27° 1	21°39	22° 0	3°38	n.a.	T 14
F 15	18 33 48	6°43'12	26°16	22°46	21°48	13°38	23° 1	4°40	10°32	15°51	27° 0	21°33	21°56	3°45	n.a.	F 15
S 16	18 37 44	7°41'11	10♐53	22°D44	22°53	14°16	23°14	4°45	10°36	15°51	26°59	21°24	21°53	3°52	n.a.	S 16
S 17	18 41 41	8°39'11	25°26	22°51	23°58	14°53	23°27	4°50	10°40	15°51	26°58	21°14	21°50	3°58	n.a.	S 17
M18	18 45 37	9°37'13	9♑48	23° 6	25° 3	15°31	23°40	4°55	10°43	15°51	26°57	21° 3	21°47	4° 5	n.a.	M18
T 19	18 49 34	10°35'17	23°52	23°29	26° 7	16° 8	23°53	5° 0	10°47	15°51	26°56	20°53	21°44	4°12	n.a.	T 19
W20	18 53 30	11°33'23	7♒35	24° 0	27°11	16°45	24° 6	5° 4	10°51	15°52	26°54	20°44	21°40	4°18	n.a.	W20
T 21	18 57 27	12°31'31	20°53	24°39	28°15	17°22	24°19	5° 9	10°55	15°52	26°53	20°38	21°37	4°25	n.a.	T 21
F 22	19 1 24	13°29'40	3♓47	25°26	29°19	18° 0	24°32	5°13	10°59	15°52	26°52	20°35	21°34	4°32	n.a.	F 22
S 23	19 5 20	14°27'52	16°19	26°20	0♍22	18°37	24°45	5°18	11° 2	15°52	26°51	20°D34	21°31	4°38	n.a.	S 23
S 24	19 9 17	15°26'06	28°33	27°22	1°25	19°14	24°58	5°22	11° 6	15°53	26°50	20°34	21°28	4°45	n.a.	S 24
M25	19 13 13	16°24'23	10♈34	28°31	2°28	19°51	25°10	5°26	11°10	15°53	26°48	20°34	21°25	4°52	n.a.	M25
T 26	19 17 10	17°22'41	22°26	29°45	3°31	20°27	25°23	5°30	11°14	15°54	26°47	20°R34	21°21	4°58	n.a.	T 26
W27	19 21 6	18°21'02	4♉16	1♋ 6	4°34	21° 4	25°36	5°35	11°17	15°54	26°46	20°33	21°18	5° 5	n.a.	W27
T 28	19 25 3	19°19'25	16° 8	2°32	5°36	21°41	25°49	5°39	11°21	15°55	26°45	20°29	21°15	5°12	n.a.	T 28
F 29	19 28 59	20°17'50	28° 7	4° 3	6°38	22°17	26° 1	5°42	11°25	15°55	26°43	20°23	21°12	5°18	n.a.	F 29
S 30	19 32 56	21°16'18	10♊16	5°38	7°39	22°54	26°14	5°46	11°29	15°56	26°42	20°15	21° 9	5°25	n.a.	S 30
S 31	19 36 53	22♋14'48	22♊40	7♋17	8♍41	23♉30	26♊26	5♉50	11♋32	15♎56	26♏41	20♍ 6	21♍ 5	5♉32	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n42	14n 0	4s12	19n26	4s26	20n 6	1n 6	12n57	0s24	23n50	0n21	11n 2	1s57	24n 3	0n32	4s29	2n 3	35s21	14s35	2n47	2n57	9n23		n.a.
S 2	23 45	16 21	4 41	19 23	4 30	19 45	1 3	13 11	0 24	23 51	0 21	11 4	1 57	24 3	0 32	4 29	2 3	35 21	14 35	2 52	2 59	9 25		n.a.
S 3	23 48	18 1	4 57	19 20	4 33	19 24	0 59	13 24	0 23	23 52	0 21	11 6	1 57	24 3	0 32	4 28	2 3	35 22	14 35	2 57	3 0	9 26		n.a.
M 4	23 50	18 51	4 59	19 20	4 33	19 3	0 56	13 38	0 22	23 54	0 21	11 8	1 57	24 3	0 32	4 28	2 3	35 22	14 36	3 2	3 1	9 28		n.a.
T 5	23 51	18 47	4 47	19 20	4 32	18 41	0 52	13 51	0 22	23 55	0 21	11 10	1 57	24 2	0 32	4 28	2 3	35 23	14 36	3 8	3 3	9 30		n.a.
W 6	23 52	17 45	4 21	19 23	4 29	18 18	0 48	14 5	0 21	23 56	0 21	11 12	1 57	24 2	0 32	4 28	2 3	35 23	14 36	3 12	3 4	9 31		n.a.
T 7	23 53	15 48	3 40	19 26	4 24	17 56	0 44	14 18	0 20	23 57	0 21	11 14	1 58	24 2	0 32	4 28	2 3	35 23	14 36	3 16	3 5	9 33		n.a.
F 8	23 53	12 59	2 47	19 32	4 18	17 32	0 40	14 31	0 20	23 58	0 21	11 16	1 58	24 2	0 32	4 28	2 2	35 24	14 36	3 18	3 6	9 35		n.a.
S 9	23 53	9 28	1 44	19 39	4 9	17 9	0 36	14 44	0 19	23 59	0 21	11 17	1 58	24 1	0 32	4 28	2 2	35 24	14 37	3 19	3 8	9 36		n.a.
S 10	23 52	5 24	0 35	19 47	3 59	16 45	0 32	14 57	0 18	23 59	0 21	11 19	1 58	24 1	0 32	4 28	2 2	35 25	14 37	3 20	3 9	9 38		n.a.
M11	23 51	0 59	0n38	19 58	3 48	16 20	0 28	15 10	0 17	24 0	0 22	11 21	1 58	24 1	0 32	4 28	2 2	35 25	14 37	3 20	3 10	9 40		n.a.
T 12	23 50	3s33	1 50	20 9	3 35	15 56	0 24	15 22	0 17	24 1	0 22	11 23	1 58	24 0	0 32	4 28	2 2	35 26	14 37	3 20	3 11	9 41		n.a.
W13	23 48	7 57	2 56	20 22	3 21	15 31	0 19	15 35	0 16	24 2	0 22	11 24	1 58	24 0	0 32	4 29	2 2	35 26	14 37	3 21	3 13	9 43		n.a.
T 14	23 45	11 57	3 52	20 36	3 6	15 5	0 15	15 47	0 15	24 3	0 22	11 26	1 58	24 0	0 32	4 29	2 2	35 26	14 37	3 22	3 14	9 45		n.a.
F 15	23 43	15 15	4 33	20 51	2 50	14 40	0 10	16 0	0 15	24 4	0 22	11 28	1 58	23 59	0 32	4 29	2 2	35 27	14 38	3 25	3 15	9 46		n.a.
S 16	23 39	17 36	4 57	21 8	2 33	14 14	0 6	16 12	0 14	24 5	0 22	11 29	1 59	23 59	0 32	4 29	2 2	35 27	14 38	3 28	3 17	9 48		n.a.
S 17	23 36	18 47	5 1	21 25	2 16	13 48	0 1	16 24	0 13	24 5	0 22	11 31	1 59	23 59	0 32	4 29	2 2	35 28	14 38	3 32	3 18	9 50		n.a.
M18	23 32	18 46	4 46	21 43	1 59	13 21	0s 4	16 36	0 12	24 6	0 22	11 32	1 59	23 59	0 32	4 29	2 2	35 28	14 38	3 37	3 19	9 51		n.a.
T 19	23 27	17 34	4 14	22 1	1 42	12 54	0 9	16 47	0 12	24 7	0 23	11 34	1 59	23 58	0 32	4 29	2 2	35 28	14 38	3 41	3 20	9 53		n.a.
W20	23 22	15 22	3 28	22 20	1 25	12 27	0 14	16 59	0 11	24 8	0 23	11 35	1 59	23 58	0 32	4 29	2 2	35 29	14 38	3 44	3 22	9 55		n.a.
T 21	23 17	12 25	2 31	22 38	1 8	12 0	0 19	17 10	0 10	24 8	0 23	11 37	1 59	23 58	0 32	4 29	2 2	35 29	14 38	3 47	3 23	9 56		n.a.
F 22	23 11	8 56	1 28	22 57	0 52	11 33	0 24	17 22	0 9	24 9	0 23	11 38	1 59	23 57	0 32	4 30	2 1	35 30	14 38	3 48	3 24	9 58		n.a.
S 23	23 5	5 9	0 23	23 14	0 36	11 5	0 30	17 33	0 8	24 10	0 23	11 39	2 0	23 57	0 32	4 30	2 1	35 30	14 39	3 48	3 25	10 0		n.a.
S 24	22 58	1 14	0s43	23 31	0 20	10 37	0 35	17 44	0 8	24 10	0 23	11 41	2 0	23 57	0 32	4 30	2 1	35 30	14 39	3 48	3 27	10 1		n.a.
M25	22 51	2n39	1 45	23 47	0 5	10 9	0 41	17 55	0 7	24 11	0 23	11 42	2 0	23 56	0 32	4 30	2 1	35 31	14 39	3 48	3 28	10 3		n.a.
T 26	22 44	6 24	2 42	24 2	0n 9	9 41	0 46	18 6	0 6	24 12	0 23	11 43	2 0	23 56	0 32	4 30	2 1	35 31	14 39	3 48	3 29	10 5		n.a.
W27	22 36	9 52	3 31	24 15	0 22	9 13	0 52	18 16	0 5	24 12	0 24	11 44	2 0	23 56	0 32	4 31	2 1	35 31	14 39	3 49	3 31	10 6		n.a.
T 28	22 28	12 57	4 12	24 26	0 34	8 44	0 58	18 27	0 4	24 13	0 24	11 46	2 0	23 55	0 32	4 31	2 1	35 32	14 39	3 50	3 32	10 8		n.a.
F 29	22 19	15 31	4 42	24 35	0 45	8 16	1 3	18 37	0 4	24 13	0 24	11 47	2 0	23 55	0 32	4 31	2 1	35 32	14 39	3 53	3 33	10 9		n.a.
S 30	22 10	17 27	5 0	24 41	0 56	7 47	1 9	18 48	0 3	24 14	0 24	11 48	2 1	23 55	0 32	4 32	2 1	35 32	14 39	3 56	3 34	10 11		n.a.
S 31	22n 1	18n37	5s 4	24n46	1n 5	7n18	1s15	18n58	0s 2	24n14	0n24	11n49	2s 1	23n54	0n32	4s32	2n 1	35s33	14s39	4n 0	3n36	10n13		n.a.

Julian Day Number = 1118211.5, Delta T = 10h44m59s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'19, Lahiri = -26°44'19 Julian Calendar 1 July 1652 BCE == Greg. Calendar 17 June 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

AUGUST 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 40 49	23♋13'20	5♋18	8♋59	9♍42	24♉ 6	26♊39	5♉53	11♋36	15♎57	26°R40	19°R55	21♍ 2	5♉39	n.a.	M 1
T 2	19 44 46	24°11'54	18°12	10°44	10°43	24°42	26°51	5°57	11°40	15°57	26♑38	19♍45	20°59	5°45	n.a.	T 2
W 3	19 48 42	25°10'30	1♌21	12°31	11°43	25°18	27° 4	6° 0	11°44	15°58	26°37	19°37	20°56	5°52	n.a.	W 3
T 4	19 52 39	26° 9'08	14°44	14°19	12°43	25°54	27°16	6° 4	11°47	15°59	26°36	19°30	20°53	5°59	n.a.	T 4
F 5	19 56 35	27° 7'49	28°18	16°10	13°43	26°30	27°28	6° 7	11°51	16° 0	26°35	19°25	20°50	6° 5	n.a.	F 5
S 6	20 0 32	28° 6'31	12♍ 2	18° 1	14°42	27° 6	27°41	6°10	11°55	16° 0	26°33	19°24	20°46	6°12	n.a.	S 6
S 7	20 4 28	29° 5'15	25°54	19°52	15°41	27°42	27°53	6°13	11°58	16° 1	26°32	19°D23	20°43	6°19	n.a.	S 7
M 8	20 8 25	0♌ 4'01	9♎53	21°44	16°40	28°17	28° 5	6°16	12° 2	16° 2	26°31	19°24	20°40	6°25	n.a.	M 8
T 9	20 12 21	1° 2'49	23°57	23°37	17°38	28°53	28°17	6°19	12° 6	16° 3	26°30	19°25	20°37	6°32	n.a.	T 9
W10	20 16 18	2° 1'38	8♏ 6	25°29	18°36	29°28	28°29	6°22	12° 9	16° 4	26°28	19°R25	20°34	6°39	n.a.	W10
T 11	20 20 15	3° 0'30	22°19	27°21	19°33	0♊ 3	28°41	6°24	12°13	16° 5	26°27	19°24	20°31	6°45	n.a.	T 11
F 12	20 24 11	3°59'23	6♐32	29°12	20°30	0°38	28°53	6°27	12°16	16° 6	26°26	19°20	20°27	6°52	n.a.	F 12
S 13	20 28 8	4°58'19	20°43	1♌ 4	21°27	1°14	29° 5	6°29	12°20	16° 7	26°25	19°15	20°24	6°59	n.a.	S 13
S 14	20 32 4	5°57'16	4♑48	2°54	22°22	1°48	29°17	6°31	12°24	16° 8	26°23	19° 8	20°21	7° 5	n.a.	S 14
M15	20 36 1	6°56'15	18°44	4°44	23°18	2°23	29°29	6°34	12°27	16° 9	26°22	19° 1	20°18	7°12	n.a.	M15
T 16	20 39 57	7°55'17	2♒25	6°33	24°13	2°58	29°40	6°36	12°31	16°10	26°21	18°55	20°15	7°19	n.a.	T 16
W17	20 43 54	8°54'20	15°49	8°21	25° 7	3°33	29°52	6°38	12°34	16°11	26°20	18°49	20°11	7°26	n.a.	W17
T 18	20 47 50	9°53'26	28°55	10° 9	26° 1	4° 7	0♋ 3	6°39	12°38	16°12	26°19	18°46	20° 8	7°32	n.a.	T 18
F 19	20 51 47	10°52'34	11♓42	11°56	26°54	4°41	0°15	6°41	12°41	16°13	26°17	18°44	20° 5	7°39	n.a.	F 19
S 20	20 55 43	11°51'45	24°10	13°41	27°47	5°16	0°26	6°43	12°44	16°14	26°16	18°D44	20° 2	7°46	n.a.	S 20
S 21	20 59 40	12°50'57	6♈23	15°26	28°39	5°50	0°38	6°44	12°48	16°16	26°15	18°45	19°59	7°52	n.a.	S 21
M22	21 3 37	13°50'12	18°24	17°11	29°30	6°24	0°49	6°46	12°51	16°17	26°14	18°46	19°56	7°59	n.a.	M22
T 23	21 7 33	14°49'30	0♉17	18°54	0♎21	6°58	1° 0	6°47	12°55	16°18	26°13	18°48	19°52	8° 6	n.a.	T 23
W24	21 11 30	15°48'50	12° 8	20°36	1°11	7°32	1°11	6°48	12°58	16°19	26°12	18°R49	19°49	8°12	n.a.	W24
T 25	21 15 26	16°48'13	24° 0	22°18	2° 0	8° 5	1°22	6°49	13° 1	16°21	26°10	18°49	19°46	8°19	n.a.	T 25
F 26	21 19 23	17°47'38	6♊ 0	23°59	2°48	8°39	1°33	6°50	13° 4	16°22	26° 9	18°47	19°43	8°26	n.a.	F 26
S 27	21 23 19	18°47'05	18°12	25°39	3°36	9°12	1°44	6°51	13° 8	16°24	26° 8	18°44	19°40	8°32	n.a.	S 27
S 28	21 27 16	19°46'35	0♋39	27°18	4°23	9°45	1°55	6°52	13°11	16°25	26° 7	18°40	19°37	8°39	n.a.	S 28
M29	21 31 12	20°46'08	13°25	28°57	5° 9	10°19	2° 6	6°53	13°14	16°26	26° 6	18°36	19°33	8°46	n.a.	M29
T 30	21 35 9	21°45'42	26°30	0♍35	5°54	10°52	2°16	6°53	13°17	16°28	26° 5	18°31	19°30	8°53	n.a.	T 30
W31	21 39 5	22♌45'20	9♌56	2♍12	6♎38	11♊24	2♋27	6♉54	13♋21	16♎29	26♑ 4	18♍27	19♍27	8♉59	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	21n51	18n53	4s54	24n48	1n14	6n50	1s21	19n 8	0s 1	24n15	0n24	11n50	2s 1	23n54	0n32	4s32	2n 1	35s33	14s39	4n 4	3n37	10n14			n.a.
T 2	21 40	18 11	4 29	24 47	1 21	6 21	1 27	19 18	0 0	24 15	0 24	11 51	2 1	23 54	0 32	4 32	2 1	35 33	14 39	4 8	3 38	10 16			n.a.
W 3	21 30	16 31	3 48	24 44	1 28	5 52	1 33	19 27	0n 1	24 15	0 24	11 52	2 1	23 54	0 32	4 33	2 1	35 34	14 39	4 11	3 40	10 18			n.a.
T 4	21 19	13 56	2 55	24 39	1 33	5 23	1 40	19 37	0 1	24 16	0 25	11 53	2 1	23 53	0 32	4 33	2 1	35 34	14 39	4 14	3 41	10 19			n.a.
F 5	21 7	10 33	1 51	24 31	1 38	4 54	1 46	19 46	0 2	24 16	0 25	11 54	2 1	23 53	0 32	4 33	2 0	35 34	14 39	4 16	3 42	10 21			n.a.
S 6	20 55	6 34	0 40	24 20	1 42	4 25	1 52	19 56	0 3	24 17	0 25	11 55	2 2	23 53	0 32	4 34	2 0	35 34	14 39	4 16	3 43	10 23			n.a.
S 7	20 43	2 12	0n35	24 7	1 45	3 56	1 59	20 5	0 4	24 17	0 25	11 56	2 2	23 52	0 32	4 34	2 0	35 35	14 39	4 17	3 45	10 24			n.a.
M 8	20 31	2s20	1 48	23 52	1 47	3 27	2 5	20 14	0 5	24 17	0 25	11 57	2 2	23 52	0 32	4 35	2 0	35 35	14 39	4 16	3 46	10 26			n.a.
T 9	20 18	6 45	2 55	23 34	1 49	2 58	2 12	20 22	0 6	24 18	0 25	11 57	2 2	23 52	0 32	4 35	2 0	35 35	14 39	4 16	3 47	10 27			n.a.
W10	20 5	10 49	3 52	23 14	1 50	2 29	2 18	20 31	0 7	24 18	0 25	11 58	2 2	23 51	0 32	4 35	2 0	35 36	14 39	4 16	3 48	10 29			n.a.
T 11	19 51	14 15	4 35	22 53	1 50	2 0	2 25	20 40	0 8	24 18	0 26	11 59	2 2	23 51	0 32	4 36	2 0	35 36	14 39	4 16	3 50	10 31			n.a.
F 12	19 37	16 51	5 1	22 29	1 50	1 31	2 31	20 48	0 8	24 18	0 26	12 0	2 3	23 51	0 32	4 36	2 0	35 36	14 39	4 18	3 51	10 32			n.a.
S 13	19 23	18 25	5 9	22 4	1 49	1 2	2 38	20 56	0 9	24 19	0 26	12 0	2 3	23 50	0 32	4 37	2 0	35 36	14 39	4 20	3 52	10 34			n.a.
S 14	19 8	18 51	4 57	21 36	1 47	0 34	2 45	21 5	0 10	24 19	0 26	12 1	2 3	23 50	0 32	4 37	2 0	35 37	14 39	4 23	3 54	10 36			n.a.
M15	18 53	18 7	4 29	21 8	1 45	0 5	2 52	21 12	0 11	24 19	0 26	12 1	2 3	23 50	0 32	4 38	2 0	35 37	14 39	4 25	3 55	10 37			n.a.
T 16	18 38	16 20	3 45	20 38	1 42	0s23	2 58	21 20	0 12	24 19	0 26	12 2	2 3	23 49	0 33	4 38	2 0	35 37	14 39	4 28	3 56	10 39			n.a.
W17	18 22	13 42	2 49	20 7	1 40	0 51	3 5	21 28	0 13	24 19	0 26	12 2	2 3	23 49	0 33	4 39	2 0	35 37	14 39	4 30	3 57	10 40			n.a.
T 18	18 6	10 25	1 46	19 34	1 36	1 19	3 12	21 36	0 14	24 20	0 27	12 3	2 4	23 49	0 33	4 39	2 0	35 37	14 39	4 32	3 59	10 42			n.a.
F 19	17 50	6 43	0 38	19 1	1 32	1 47	3 19	21 43	0 15	24 20	0 27	12 3	2 4	23 48	0 33	4 40	2 0	35 38	14 39	4 32	4 0	10 44			n.a.
S 20	17 33	2 49	0s30	18 26	1 28	2 14	3 26	21 50	0 16	24 20	0 27	12 4	2 4	23 48	0 33	4 40	1 59	35 38	14 39	4 32	4 1	10 45			n.a.
S 21	17 16	1n 8	1 35	17 50	1 24	2 42	3 33	21 57	0 17	24 20	0 27	12 4	2 4	23 48	0 33	4 41	1 59	35 38	14 39	4 32	4 2	10 47			n.a.
M22	16 59	4 57	2 35	17 14	1 19	3 9	3 40	22 4	0 18	24 20	0 27	12 4	2 4	23 48	0 33	4 41	1 59	35 38	14 39	4 31	4 4	10 49			n.a.
T 23	16 41	8 33	3 28	16 37	1 14	3 36	3 47	22 11	0 19	24 20	0 27	12 5	2 4	23 47	0 33	4 42	1 59	35 38	14 39	4 31	4 5	10 50			n.a.
W24	16 24	11 46	4 11	15 59	1 9	4 2	3 54	22 18	0 20	24 20	0 27	12 5	2 5	23 47	0 33	4 42	1 59	35 39	14 39	4 30	4 6	10 52			n.a.
T 25	16 5	14 32	4 44	15 20	1 4	4 29	4 1	22 24	0 21	24 20	0 28	12 5	2 5	23 47	0 33	4 43	1 59	35 39	14 39	4 30	4 7	10 53			n.a.
F 26	15 47	16 42	5 5	14 41	0 58	4 55	4 8	22 31	0 22	24 20	0 28	12 5	2 5	23 46	0 33	4 43	1 59	35 39	14 39	4 31	4 9	10 55			n.a.
S 27	15 28	18 9	5 13	14 2	0 52	5 20	4 15	22 37	0 23	24 20	0 28	12 5	2 5	23 46	0 33	4 44	1 59	35 39	14 39	4 32	4 10	10 57			n.a.
S 28	15 9	18 47	5 6	13 22	0 46	5 46	4 22	22 43	0 24	24 20	0 28	12 6	2 5	23 46	0 33	4 45	1 59	35 39	14 38	4 34	4 11	10 58			n.a.
M29	14 50	18 29	4 45	12 41	0 40	6 11	4 28	22 49	0 25	24 20	0 28	12 6	2 5	23 45	0 33	4 45	1 59	35 39	14 38	4 35	4 13	11 0			n.a.
T 30	14 31	17 12	4 7	12 0	0 34	6 35	4 35	22 55	0 26	24 20	0 28	12 6	2 6	23 45	0 33	4 46	1 59	35 39	14 38	4 37	4 14	11 1			n.a.
W31	14n11	14n57	3s16	11n19	0n28	6s59	4s42	23n 1	0n27	24n20	0n29	12n 6	2s 6	23n45	0n33	4s47	1n59	35s39	14s38	4n39	4n15	11n 3			n.a.

Julian Day Number = 1118242.5, Delta T = 10h44m57s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'15, Lahiri = -26°44'15 Julian Calendar 1 Aug. 1652 BCE == Greg. Calendar 18 July 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

SEPTEMBER 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 43 2	23♌44'59	23♌40	3♍48	7♎22	11♊57	2♋37	6♉54	13♋24	16♎31	26°R 3	18°R25	19♍24	9♉ 6	n.a.	T 1
F 2	21 46 59	24°44'40	7♍40	5°24	8° 4	12°30	2°48	6°54	13°27	16°32	26♑ 1	18♍23	19°21	9°13	n.a.	F 2
S 3	21 50 55	25°44'24	21°51	6°59	8°45	13° 2	2°58	6°R54	13°30	16°34	26° 0	18°D23	19°17	9°19	n.a.	S 3
S 4	21 54 52	26°44'09	6♎10	8°33	9°26	13°35	3° 8	6°54	13°33	16°36	25°59	18°23	19°14	9°26	n.a.	S 4
M 5	21 58 48	27°43'56	20°31	10° 6	10° 5	14° 7	3°18	6°54	13°36	16°37	25°58	18°25	19°11	9°33	n.a.	M 5
T 6	22 2 45	28°43'46	4♏52	11°39	10°43	14°39	3°28	6°54	13°39	16°39	25°57	18°26	19° 8	9°39	n.a.	T 6
W 7	22 6 41	29°43'37	19° 8	13°12	11°19	15°10	3°38	6°53	13°42	16°40	25°56	18°27	19° 5	9°46	n.a.	W 7
T 8	22 10 38	0♍43'30	3♐18	14°43	11°55	15°42	3°48	6°53	13°44	16°42	25°55	18°R27	19° 2	9°53	n.a.	T 8
F 9	22 14 34	1°43'25	17°19	16°15	12°29	16°14	3°58	6°52	13°47	16°44	25°54	18°27	18°58	9°59	n.a.	F 9
S 10	22 18 31	2°43'21	1♑11	17°45	13° 1	16°45	4° 7	6°52	13°50	16°46	25°53	18°25	18°55	10° 6	n.a.	S 10
S 11	22 22 27	3°43'20	14°51	19°15	13°33	17°16	4°17	6°51	13°53	16°47	25°52	18°24	18°52	10°13	n.a.	S 11
M12	22 26 24	4°43'20	28°19	20°44	14° 2	17°47	4°26	6°50	13°56	16°49	25°51	18°22	18°49	10°20	n.a.	M12
T 13	22 30 21	5°43'22	11♒33	22°13	14°30	18°18	4°35	6°49	13°58	16°51	25°51	18°20	18°46	10°26	n.a.	T 13
W14	22 34 17	6°43'26	24°34	23°41	14°57	18°49	4°44	6°48	14° 1	16°53	25°50	18°18	18°43	10°33	n.a.	W14
T 15	22 38 14	7°43'32	7♓21	25° 8	15°22	19°19	4°53	6°46	14° 4	16°55	25°49	18°18	18°39	10°40	n.a.	T 15
F 16	22 42 10	8°43'40	19°54	26°34	15°45	19°50	5° 2	6°45	14° 6	16°56	25°48	18°D17	18°36	10°46	n.a.	F 16
S 17	22 46 7	9°43'50	2♈13	28° 0	16° 6	20°20	5°11	6°44	14° 9	16°58	25°47	18°18	18°33	10°53	n.a.	S 17
S 18	22 50 3	10°44'02	14°21	29°26	16°26	20°50	5°20	6°42	14°11	17° 0	25°46	18°18	18°30	11° 0	n.a.	S 18
M19	22 54 0	11°44'16	26°20	0♎50	16°43	21°19	5°28	6°40	14°14	17° 2	25°45	18°19	18°27	11° 6	n.a.	M19
T 20	22 57 56	12°44'33	8♉13	2°14	16°59	21°49	5°37	6°38	14°16	17° 4	25°45	18°20	18°23	11°13	n.a.	T 20
W21	23 1 53	13°44'51	20° 3	3°36	17°12	22°18	5°45	6°37	14°18	17° 6	25°44	18°20	18°20	11°20	n.a.	W21
T 22	23 5 49	14°45'12	1♊55	4°58	17°23	22°48	5°53	6°35	14°21	17° 8	25°43	18°21	18°17	11°26	n.a.	T 22
F 23	23 9 46	15°45'35	13°53	6°19	17°33	23°17	6° 1	6°32	14°23	17°10	25°42	18°R21	18°14	11°33	n.a.	F 23
S 24	23 13 43	16°46'00	26° 3	7°39	17°40	23°45	6° 9	6°30	14°25	17°12	25°42	18°21	18°11	11°40	n.a.	S 24
S 25	23 17 39	17°46'27	8♋28	8°57	17°44	24°14	6°17	6°28	14°27	17°14	25°41	18°D21	18° 8	11°47	n.a.	S 25
M26	23 21 36	18°46'56	21°12	10°15	17°47	24°42	6°25	6°25	14°30	17°16	25°40	18°21	18° 4	11°53	n.a.	M26
T 27	23 25 32	19°47'27	4♌20	11°31	17°R47	25°11	6°32	6°23	14°32	17°18	25°40	18°21	18° 1	12° 0	n.a.	T 27
W28	23 29 29	20°48'00	17°51	12°45	17°45	25°38	6°40	6°20	14°34	17°20	25°39	18°21	17°58	12° 7	n.a.	W28
T 29	23 33 25	21°48'35	1♍47	13°57	17°40	26° 6	6°47	6°17	14°36	17°22	25°38	18°21	17°55	12°13	n.a.	T 29
F 30	23 37 22	22♍49'12	16♍ 5	15♎ 8	17♎33	26♊34	6♋54	6♉15	14♋38	17♎24	25♑38	18°R21	17♍52	12♉20	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n51	11n49	2s12	10n38	0n21	7s23	4s49	23n 6	0n28	24n20	0n29	12n 6	2s 6	23n45	0n33	4s47	1n59	35s40	14s38	4n40	4n16	11n 5		n.a.
F 2	13 31	7 57	0 59	9 56	0 15	7 46	4 56	23 12	0 29	24 20	0 29	12 5	2 6	23 44	0 33	4 48	1 59	35 40	14 38	4 41	4 18	11 6		n.a.
S 3	13 11	3 35	0n19	9 14	0 8	8 9	5 3	23 17	0 30	24 20	0 29	12 5	2 6	23 44	0 33	4 49	1 59	35 40	14 38	4 41	4 19	11 8		n.a.
S 4	12 50	1s 1	1 37	8 32	0 1	8 31	5 9	23 22	0 31	24 20	0 29	12 5	2 6	23 44	0 33	4 49	1 59	35 40	14 37	4 40	4 20	11 9		n.a.
M 5	12 29	5 34	2 48	7 50	0s 6	8 53	5 16	23 27	0 32	24 20	0 29	12 5	2 6	23 43	0 33	4 50	1 59	35 40	14 37	4 40	4 21	11 11		n.a.
T 6	12 8	9 47	3 49	7 8	0 12	9 14	5 22	23 32	0 34	24 20	0 30	12 5	2 7	23 43	0 33	4 51	1 58	35 40	14 37	4 39	4 23	11 12		n.a.
W 7	11 47	13 25	4 36	6 26	0 19	9 35	5 29	23 37	0 35	24 20	0 30	12 4	2 7	23 43	0 33	4 51	1 58	35 40	14 37	4 39	4 24	11 14		n.a.
T 8	11 25	16 13	5 5	5 43	0 26	9 55	5 35	23 42	0 36	24 20	0 30	12 4	2 7	23 43	0 33	4 52	1 58	35 40	14 37	4 39	4 25	11 16		n.a.
F 9	11 4	18 2	5 16	5 1	0 33	10 14	5 42	23 46	0 37	24 20	0 30	12 4	2 7	23 42	0 33	4 53	1 58	35 40	14 37	4 39	4 27	11 17		n.a.
S 10	10 42	18 44	5 8	4 19	0 40	10 33	5 48	23 51	0 38	24 19	0 30	12 3	2 7	23 42	0 33	4 53	1 58	35 40	14 36	4 40	4 28	11 19		n.a.
S 11	10 20	18 21	4 43	3 37	0 47	10 51	5 54	23 55	0 39	24 19	0 31	12 3	2 7	23 42	0 33	4 54	1 58	35 40	14 36	4 40	4 29	11 20		n.a.
M12	9 57	16 55	4 3	2 55	0 53	11 8	6 0	23 59	0 40	24 19	0 31	12 3	2 8	23 41	0 33	4 55	1 58	35 40	14 36	4 41	4 30	11 22		n.a.
T 13	9 35	14 36	3 10	2 14	1 0	11 25	6 5	24 3	0 42	24 19	0 31	12 2	2 8	23 41	0 33	4 56	1 58	35 40	14 36	4 42	4 32	11 24		n.a.
W14	9 12	11 34	2 8	1 32	1 7	11 40	6 11	24 7	0 43	24 19	0 31	12 2	2 8	23 41	0 33	4 56	1 58	35 40	14 36	4 42	4 33	11 25		n.a.
T 15	8 50	8 2	1 0	0 51	1 14	11 55	6 16	24 11	0 44	24 19	0 31	12 1	2 8	23 41	0 33	4 57	1 58	35 40	14 35	4 43	4 34	11 27		n.a.
F 16	8 27	4 13	0s 9	0 10	1 20	12 9	6 21	24 14	0 45	24 19	0 31	12 0	2 8	23 40	0 33	4 58	1 58	35 40	14 35	4 43	4 35	11 28		n.a.
S 17	8 4	0 16	1 17	0s31	1 27	12 22	6 26	24 18	0 46	24 18	0 32	12 0	2 8	23 40	0 33	4 59	1 58	35 40	14 35	4 43	4 37	11 30		n.a.
S 18	7 41	3n37	2 20	1 11	1 33	12 34	6 31	24 21	0 48	24 18	0 32	11 59	2 8	23 40	0 33	4 59	1 58	35 40	14 35	4 42	4 38	11 31		n.a.
M19	7 17	7 19	3 16	1 51	1 39	12 45	6 36	24 24	0 49	24 18	0 32	11 58	2 9	23 40	0 33	5 0	1 58	35 40	14 35	4 42	4 39	11 33		n.a.
T 20	6 54	10 40	4 3	2 30	1 45	12 55	6 40	24 28	0 50	24 18	0 32	11 58	2 9	23 40	0 33	5 1	1 58	35 40	14 34	4 42	4 40	11 35		n.a.
W21	6 30	13 36	4 40	3 9	1 51	13 4	6 44	24 31	0 51	24 18	0 32	11 57	2 9	23 39	0 34	5 2	1 58	35 40	14 34	4 42	4 42	11 36		n.a.
T 22	6 7	15 57	5 5	3 48	1 57	13 11	6 47	24 34	0 53	24 18	0 33	11 56	2 9	23 39	0 34	5 3	1 58	35 40	14 34	4 42	4 43	11 38		n.a.
F 23	5 43	17 39	5 17	4 25	2 3	13 18	6 50	24 37	0 54	24 17	0 33	11 55	2 9	23 39	0 34	5 3	1 58	35 40	14 34	4 41	4 44	11 39		n.a.
S 24	5 19	18 35	5 15	5 2	2 8	13 23	6 53	24 39	0 55	24 17	0 33	11 54	2 9	23 39	0 34	5 4	1 58	35 40	14 33	4 41	4 45	11 41		n.a.
S 25	4 55	18 39	4 58	5 39	2 13	13 27	6 55	24 42	0 57	24 17	0 33	11 54	2 9	23 38	0 34	5 5	1 58	35 40	14 33	4 42	4 47	11 42		n.a.
M26	4 31	17 47	4 27	6 14	2 18	13 30	6 57	24 45	0 58	24 17	0 33	11 53	2 9	23 38	0 34	5 6	1 58	35 39	14 33	4 42	4 48	11 44		n.a.
T 27	4 7	15 57	3 41	6 49	2 22	13 31	6 59	24 47	0 59	24 17	0 34	11 52	2 10	23 38	0 34	5 7	1 58	35 39	14 33	4 41	4 49	11 46		n.a.
W28	3 43	13 12	2 42	7 22	2 26	13 31	7 0	24 49	1 1	24 17	0 34	11 51	2 10	23 38	0 34	5 7	1 58	35 39	14 32	4 41	4 51	11 47		n.a.
T 29	3 18	9 37	1 31	7 54	2 30	13 30	7 0	24 52	1 2	24 16	0 34	11 50	2 10	23 38	0 34	5 8	1 58	35 39	14 32	4 41	4 52	11 49		n.a.
F 30	2n54	5n24	0s13	8s25	2s34	13s27	7s 0	24n54	1n 4	24n16	0n34	11n49	2s10	23n38	0n34	5s 9	1n57	35s39	14s32	4n41	4n53	11n50		n.a.

Julian Day Number = 1118273.5, Delta T = 10h44m55s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'11, Lahiri = -26°44'10 Julian Calendar 1 Sept. 1652 BCE == Greg. Calendar 18 Aug. 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

OCTOBER 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 41 18	23♍49'50	0♎41	16♎16	17°R23	27♊ 1	7♋ 1	6°R12	14♋40	17♎26	25°R37	18°R21	17♍48	12♉27	n.a.	S 1
S 2	23 45 15	24°50'31	15°27	17°22	17♎11	27°28	7° 8	6♉ 9	14°41	17°29	25♏37	18♍21	17°45	12°33	n.a.	S 2
M 3	23 49 12	25°51'12	0♏18	18°25	16°57	27°54	7°14	6° 5	14°43	17°31	25°36	18°20	17°42	12°40	n.a.	M 3
T 4	23 53 8	26°51'55	15° 4	19°24	16°40	28°21	7°21	6° 2	14°45	17°33	25°36	18°19	17°39	12°47	n.a.	T 4
W 5	23 57 5	27°52'40	29°39	20°20	16°21	28°47	7°27	5°59	14°47	17°35	25°35	18°18	17°36	12°54	n.a.	W 5
T 6	0 1 1	28°53'26	14♐ 0	21°12	15°59	29°13	7°33	5°56	14°48	17°37	25°35	18°17	17°33	13° 0	n.a.	T 6
F 7	0 4 58	29°54'13	28° 3	22° 0	15°35	29°39	7°39	5°52	14°50	17°39	25°34	18°D17	17°29	13° 7	n.a.	F 7
S 8	0 8 54	0♎55'01	11♏46	22°42	15°10	0♋ 4	7°45	5°49	14°51	17°41	25°34	18°17	17°26	13°14	n.a.	S 8
S 9	0 12 51	1°55'51	25°11	23°18	14°42	0°29	7°51	5°45	14°53	17°44	25°34	18°18	17°23	13°20	n.a.	S 9
M10	0 16 47	2°56'41	8♒19	23°48	14°13	0°54	7°57	5°41	14°54	17°46	25°33	18°19	17°20	13°27	n.a.	M10
T 11	0 20 44	3°57'33	21°11	24°10	13°41	1°19	8° 2	5°37	14°56	17°48	25°33	18°21	17°17	13°34	n.a.	T 11
W12	0 24 41	4°58'26	3♓50	24°25	13° 9	1°43	8° 7	5°34	14°57	17°50	25°33	18°22	17°14	13°40	n.a.	W12
T 13	0 28 37	5°59'20	16°17	24°R30	12°35	2° 7	8°12	5°30	14°58	17°53	25°32	18°R22	17°10	13°47	n.a.	T 13
F 14	0 32 34	7° 0'15	28°34	24°26	12° 0	2°30	8°17	5°26	15° 0	17°55	25°32	18°22	17° 7	13°54	n.a.	F 14
S 15	0 36 30	8° 1'11	10♈42	24°12	11°24	2°54	8°22	5°21	15° 1	17°57	25°32	18°21	17° 4	14° 1	n.a.	S 15
S 16	0 40 27	9° 2'09	22°42	23°47	10°48	3°17	8°27	5°17	15° 2	17°59	25°32	18°18	17° 1	14° 7	n.a.	S 16
M17	0 44 23	10° 3'08	4♉38	23°11	10°12	3°39	8°31	5°13	15° 3	18° 1	25°31	18°15	16°58	14°14	n.a.	M17
T 18	0 48 20	11° 4'09	16°29	22°24	9°35	4° 2	8°35	5° 9	15° 4	18° 4	25°31	18°11	16°54	14°21	n.a.	T 18
W19	0 52 16	12° 5'10	28°20	21°27	8°59	4°24	8°39	5° 4	15° 5	18° 6	25°31	18° 6	16°51	14°27	n.a.	W19
T 20	0 56 13	13° 6'13	10♊12	20°21	8°23	4°45	8°43	5° 0	15° 6	18° 8	25°31	18° 3	16°48	14°34	n.a.	T 20
F 21	1 0 9	14° 7'18	22° 9	19° 7	7°48	5° 6	8°47	4°56	15° 7	18°10	25°31	18° 0	16°45	14°41	n.a.	F 21
S 22	1 4 6	15° 8'23	4♋15	17°48	7°14	5°27	8°50	4°51	15° 7	18°13	25°31	17°58	16°42	14°47	n.a.	S 22
S 23	1 8 3	16° 9'30	16°35	16°25	6°42	5°48	8°54	4°46	15° 8	18°15	25°31	17°D57	16°39	14°54	n.a.	S 23
M24	1 11 59	17°10'38	29°13	15° 3	6°10	6° 8	8°57	4°42	15° 9	18°17	25°D31	17°58	16°35	15° 1	n.a.	M24
T 25	1 15 56	18°11'48	12♌14	13°43	5°40	6°28	9° 0	4°37	15° 9	18°20	25°31	17°59	16°32	15° 8	n.a.	T 25
W26	1 19 52	19°12'58	25°40	12°28	5°13	6°47	9° 3	4°32	15°10	18°22	25°31	18° 1	16°29	15°14	n.a.	W26
T 27	1 23 49	20°14'10	9♍33	11°21	4°46	7° 6	9° 5	4°28	15°11	18°24	25°31	18° 2	16°26	15°21	n.a.	T 27
F 28	1 27 45	21°15'22	23°55	10°23	4°22	7°24	9° 8	4°23	15°11	18°26	25°31	18°R 2	16°23	15°28	n.a.	F 28
S 29	1 31 42	22°16'36	8♎40	9°36	4° 1	7°43	9°10	4°18	15°11	18°29	25°31	18° 1	16°19	15°34	n.a.	S 29
S 30	1 35 39	23°17'50	23°44	8°59	3°41	8° 0	9°12	4°13	15°12	18°31	25°31	17°57	16°16	15°41	n.a.	S 30
M31	1 39 35	24♎19'05	8♏56	8♎34	3♎24	8♋17	9♋14	4♉ 8	15♋12	18♎33	25♏31	17♍53	16♍13	15♉48	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n30	0n46	1n 8	8s55	2s36	13s23	6s59	24n56	1n 5	24n16	0n34	11n47	2s10	23n37	0n34	5s10	1n57	35s39	14s32	4n41	4n54	11n52		n.a.
S 2	2 5	3s58	2 25	9 23	2 39	13 17	6 58	24 58	1 6	24 16	0 35	11 46	2 10	23 37	0 34	5 11	1 57	35 39	14 31	4 41	4 56	11 53		n.a.
M 3	1 41	8 29	3 32	9 49	2 41	13 9	6 56	25 0	1 8	24 16	0 35	11 45	2 10	23 37	0 34	5 12	1 57	35 38	14 31	4 42	4 57	11 55		n.a.
T 4	1 16	12 26	4 25	10 13	2 42	13 0	6 53	25 2	1 9	24 16	0 35	11 44	2 10	23 37	0 34	5 13	1 57	35 38	14 31	4 42	4 58	11 56		n.a.
W 5	0 52	15 34	5 1	10 35	2 42	12 49	6 50	25 4	1 11	24 15	0 35	11 43	2 10	23 37	0 34	5 13	1 57	35 38	14 31	4 43	4 59	11 58		n.a.
T 6	0 27	17 40	5 16	10 55	2 42	12 37	6 46	25 5	1 12	24 15	0 35	11 42	2 11	23 37	0 34	5 14	1 57	35 38	14 30	4 43	5 1	11 59		n.a.
F 7	0 2	18 40	5 12	11 12	2 41	12 23	6 41	25 7	1 14	24 15	0 36	11 40	2 11	23 36	0 34	5 15	1 57	35 38	14 30	4 43	5 2	12 1		n.a.
S 8	0s22	18 31	4 51	11 26	2 39	12 8	6 35	25 8	1 15	24 15	0 36	11 39	2 11	23 36	0 34	5 16	1 57	35 38	14 30	4 43	5 3	12 3		n.a.
S 9	0 47	17 20	4 14	11 37	2 36	11 51	6 29	25 10	1 17	24 15	0 36	11 38	2 11	23 36	0 34	5 17	1 57	35 37	14 29	4 43	5 4	12 4		n.a.
M10	1 12	15 14	3 24	11 44	2 31	11 33	6 22	25 11	1 18	24 15	0 36	11 37	2 11	23 36	0 34	5 18	1 57	35 37	14 29	4 42	5 6	12 6		n.a.
T 11	1 36	12 25	2 25	11 48	2 26	11 13	6 14	25 13	1 20	24 15	0 37	11 35	2 11	23 36	0 34	5 19	1 57	35 37	14 29	4 42	5 7	12 7		n.a.
W12	2 1	9 3	1 20	11 47	2 19	10 52	6 5	25 14	1 22	24 15	0 37	11 34	2 11	23 36	0 34	5 19	1 57	35 37	14 29	4 41	5 8	12 9		n.a.
T 13	2 25	5 20	0 12	11 41	2 11	10 29	5 55	25 15	1 23	24 15	0 37	11 32	2 11	23 36	0 34	5 20	1 57	35 36	14 28	4 41	5 9	12 10		n.a.
F 14	2 50	1 26	0s56	11 31	2 1	10 6	5 45	25 16	1 25	24 14	0 37	11 31	2 11	23 36	0 34	5 21	1 57	35 36	14 28	4 41	5 11	12 12		n.a.
S 15	3 14	2n28	2 0	11 14	1 49	9 42	5 34	25 18	1 27	24 14	0 38	11 30	2 11	23 35	0 34	5 22	1 57	35 36	14 28	4 42	5 12	12 13		n.a.
S 16	3 39	6 14	2 58	10 53	1 36	9 16	5 22	25 19	1 28	24 14	0 38	11 28	2 11	23 35	0 34	5 23	1 57	35 36	14 27	4 43	5 13	12 15		n.a.
M17	4 3	9 44	3 48	10 25	1 21	8 51	5 10	25 20	1 30	24 14	0 38	11 27	2 11	23 35	0 34	5 24	1 57	35 36	14 27	4 44	5 15	12 16		n.a.
T 18	4 28	12 48	4 28	9 52	1 5	8 24	4 57	25 21	1 32	24 14	0 38	11 25	2 11	23 35	0 35	5 25	1 57	35 35	14 27	4 46	5 16	12 18		n.a.
W19	4 52	15 21	4 56	9 14	0 46	7 57	4 43	25 22	1 33	24 14	0 38	11 24	2 11	23 35	0 35	5 26	1 57	35 35	14 26	4 47	5 17	12 19		n.a.
T 20	5 16	17 16	5 11	8 31	0 27	7 30	4 29	25 23	1 35	24 14	0 39	11 22	2 11	23 35	0 35	5 27	1 57	35 35	14 26	4 49	5 18	12 21		n.a.
F 21	5 40	18 26	5 13	7 44	0 7	7 3	4 15	25 24	1 37	24 14	0 39	11 21	2 11	23 35	0 35	5 27	1 57	35 34	14 26	4 50	5 20	12 22		n.a.
S 22	6 4	18 48	5 1	6 54	0n13	6 35	4 0	25 25	1 39	24 14	0 39	11 19	2 11	23 35	0 35	5 28	1 57	35 34	14 25	4 51	5 21	12 24		n.a.
S 23	6 28	18 16	4 36	6 3	0 34	6 8	3 45	25 26	1 40	24 14	0 39	11 18	2 11	23 35	0 35	5 29	1 57	35 34	14 25	4 51	5 22	12 26		n.a.
M24	6 52	16 51	3 56	5 12	0 54	5 42	3 30	25 27	1 42	24 14	0 40	11 16	2 11	23 35	0 35	5 30	1 57	35 34	14 25	4 51	5 23	12 27		n.a.
T 25	7 16	14 31	3 4	4 23	1 13	5 15	3 14	25 27	1 44	24 14	0 40	11 14	2 11	23 35	0 35	5 31	1 57	35 33	14 25	4 50	5 25	12 29		n.a.
W26	7 39	11 20	2 0	3 38	1 31	4 50	2 59	25 28	1 46	24 14	0 40	11 13	2 11	23 35	0 35	5 32	1 57	35 33	14 24	4 49	5 26	12 30		n.a.
T 27	8 3	7 25	0 46	2 56	1 47	4 25	2 43	25 29	1 48	24 14	0 40	11 11	2 11	23 35	0 35	5 33	1 57	35 33	14 24	4 49	5 27	12 32		n.a.
F 28	8 26	2 57	0n32	2 20	2 1	4 1	2 27	25 30	1 50	24 14	0 41	11 10	2 11	23 35	0 35	5 34	1 57	35 32	14 24	4 49	5 28	12 33		n.a.
S 29	8 50	1s49	1 50	1 51	2 13	3 38	2 12	25 31	1 52	24 14	0 41	11 8	2 11	23 35	0 35	5 34	1 57	35 32	14 23	4 49	5 30	12 35		n.a.
S 30	9 13	6 33	3 2	1 27	2 23	3 16	1 56	25 32	1 54	24 15	0 41	11 6	2 11	23 35	0 35	5 35	1 57	35 32	14 23	4 51	5 31	12 36		n.a.
M31	9s36	10s55	4n 2	1s10	2n30	2s55	1s41	25n33	1n56	24n15	0n41	11n 5	2s11	23n35	0n35	5s36	1n57	35s31	14s23	4n53	5n32	12n38		n.a.

Julian Day Number = 1118303.5, Delta T = 10h44m53s
Ecliptic obliquity = 23°53'06, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'07, Lahiri = -26°44'06 Julian Calendar 1 Oct. 1652 BCE == Greg. Calendar 17 Sept. 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

NOVEMBER 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 43 32	25♎20'20	24♏ 7	8°R20	3°R 9	8♋34	9♋15	4°R 4	15♋12	18♎35	25♑31	17°R47	16♍10	15♉54	n.a.	T 1
W 2	1 47 28	26°21'37	9♐ 7	8°D17	2♎57	8°50	9°17	3♉59	15°12	18°38	25°32	17♍41	16° 7	16° 1	n.a.	W 2
T 3	1 51 25	27°22'53	23°47	8♎23	2°47	9° 6	9°18	3°54	15°12	18°40	25°32	17°36	16° 4	16° 8	n.a.	T 3
F 4	1 55 21	28°24'10	8♑ 2	8°39	2°40	9°21	9°19	3°49	15°R13	18°42	25°32	17°32	16° 0	16°15	n.a.	F 4
S 5	1 59 18	29°25'27	21°51	9° 3	2°35	9°36	9°20	3°44	15°13	18°44	25°32	17°30	15°57	16°21	n.a.	S 5
S 6	2 3 14	0♏26'44	5♒14	9°35	2°D32	9°50	9°21	3°39	15°12	18°47	25°33	17°D30	15°54	16°28	n.a.	S 6
M 7	2 7 11	1°28'01	18°14	10°14	2°32	10° 4	9°21	3°34	15°12	18°49	25°33	17°31	15°51	16°35	n.a.	M 7
T 8	2 11 8	2°29'19	0♓54	10°58	2°35	10°17	9°21	3°29	15°12	18°51	25°33	17°33	15°48	16°41	n.a.	T 8
W 9	2 15 4	3°30'36	13°18	11°48	2°39	10°30	9°R22	3°24	15°12	18°53	25°34	17°R34	15°45	16°48	n.a.	W 9
T 10	2 19 1	4°31'53	25°31	12°43	2°47	10°42	9°21	3°19	15°12	18°55	25°34	17°33	15°41	16°55	n.a.	T 10
F 11	2 22 57	5°33'11	7♈34	13°41	2°56	10°53	9°21	3°14	15°11	18°58	25°35	17°31	15°38	17° 2	n.a.	F 11
S 12	2 26 54	6°34'28	19°32	14°44	3° 8	11° 4	9°21	3° 9	15°11	19° 0	25°35	17°26	15°35	17° 8	n.a.	S 12
S 13	2 30 50	7°35'46	1♉26	15°49	3°22	11°15	9°20	3° 4	15°10	19° 2	25°36	17°19	15°32	17°15	n.a.	S 13
M14	2 34 47	8°37'04	13°18	16°58	3°38	11°25	9°19	2°59	15°10	19° 4	25°36	17°10	15°29	17°22	n.a.	M14
T 15	2 38 43	9°38'22	25°10	18° 9	3°56	11°34	9°18	2°54	15° 9	19° 6	25°37	17° 0	15°25	17°28	n.a.	T 15
W16	2 42 40	10°39'40	7♊ 2	19°22	4°16	11°42	9°17	2°49	15° 9	19° 8	25°37	16°48	15°22	17°35	n.a.	W16
T 17	2 46 37	11°40'58	18°58	20°37	4°38	11°50	9°15	2°44	15° 8	19°11	25°38	16°38	15°19	17°42	n.a.	T 17
F 18	2 50 33	12°42'17	0♋58	21°54	5° 2	11°58	9°14	2°39	15° 7	19°13	25°38	16°29	15°16	17°48	n.a.	F 18
S 19	2 54 30	13°43'35	13° 6	23°13	5°28	12° 4	9°12	2°34	15° 6	19°15	25°39	16°22	15°13	17°55	n.a.	S 19
S 20	2 58 26	14°44'54	25°24	24°32	5°55	12°10	9°10	2°29	15° 6	19°17	25°40	16°17	15°10	18° 2	n.a.	S 20
M21	3 2 23	15°46'13	7♌58	25°54	6°24	12°16	9° 7	2°25	15° 5	19°19	25°40	16°15	15° 6	18° 9	n.a.	M21
T 22	3 6 19	16°47'31	20°50	27°16	6°55	12°20	9° 5	2°20	15° 4	19°21	25°41	16°D15	15° 3	18°15	n.a.	T 22
W23	3 10 16	17°48'50	4♍ 6	28°39	7°28	12°24	9° 2	2°15	15° 3	19°23	25°42	16°15	15° 0	18°22	n.a.	W23
T 24	3 14 13	18°50'09	17°47	0♏ 3	8° 1	12°27	9° 0	2°10	15° 2	19°25	25°42	16°R16	14°57	18°29	n.a.	T 24
F 25	3 18 9	19°51'28	1♎58	1°28	8°37	12°30	8°57	2° 6	15° 1	19°27	25°43	16°15	14°54	18°35	n.a.	F 25
S 26	3 22 6	20°52'46	16°35	2°53	9°13	12°31	8°53	2° 1	15° 0	19°29	25°44	16°11	14°50	18°42	n.a.	S 26
S 27	3 26 2	21°54'05	1♏36	4°20	9°51	12°32	8°50	1°57	14°58	19°31	25°45	16° 5	14°47	18°49	n.a.	S 27
M28	3 29 59	22°55'23	16°53	5°47	10°31	12°R33	8°46	1°52	14°57	19°33	25°46	15°57	14°44	18°56	n.a.	M28
T 29	3 33 55	23°56'41	2♐14	7°15	11°11	12°32	8°43	1°48	14°56	19°35	25°47	15°46	14°41	19° 2	n.a.	T 29
W30	3 37 52	24♏57'58	17♐29	8♏43	11♎53	12♋31	8♋39	1♉43	14♋54	19♎37	25♑47	15♍36	14♍38	19♉ 9	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s59	14s33	4n45	0s59	2n36	2s35	1s26	25n34	1n58	24n15	0n42	11n 3	2s11	23n35	0n35	5s37	1n57	35s31	14s22	4n55	5n33	12n39		n.a.
W 2	10 21	17 10	5 7	0 54	2 40	2 17	1 12	25 35	2 0	24 15	0 42	11 1	2 11	23 35	0 35	5 38	1 57	35 31	14 22	4 57	5 35	12 41		n.a.
T 3	10 44	18 36	5 9	0 54	2 43	2 0	0 57	25 36	2 2	24 15	0 42	11 0	2 11	23 35	0 35	5 39	1 57	35 30	14 22	4 59	5 36	12 42		n.a.
F 4	11 6	18 48	4 51	0 59	2 44	1 44	0 43	25 37	2 4	24 15	0 42	10 58	2 11	23 35	0 35	5 40	1 57	35 30	14 21	5 1	5 37	12 44		n.a.
S 5	11 28	17 51	4 17	1 9	2 43	1 29	0 29	25 38	2 6	24 15	0 43	10 56	2 11	23 35	0 35	5 40	1 57	35 29	14 21	5 2	5 38	12 45		n.a.
S 6	11 50	15 56	3 29	1 23	2 42	1 16	0 16	25 39	2 8	24 16	0 43	10 55	2 11	23 35	0 35	5 41	1 57	35 29	14 21	5 2	5 40	12 47		n.a.
M 7	12 12	13 14	2 32	1 41	2 40	1 4	0 3	25 40	2 11	24 16	0 43	10 53	2 11	23 35	0 35	5 42	1 57	35 29	14 20	5 1	5 41	12 48		n.a.
T 8	12 34	9 58	1 29	2 2	2 37	0 54	0n10	25 41	2 13	24 16	0 43	10 52	2 11	23 35	0 35	5 43	1 57	35 28	14 20	5 1	5 42	12 50		n.a.
W 9	12 55	6 20	0 23	2 25	2 33	0 44	0 22	25 42	2 15	24 16	0 44	10 50	2 11	23 35	0 35	5 44	1 57	35 28	14 20	5 0	5 43	12 51		n.a.
T 10	13 16	2 28	0s43	2 51	2 28	0 37	0 34	25 43	2 17	24 17	0 44	10 48	2 11	23 35	0 35	5 45	1 57	35 28	14 20	5 0	5 45	12 53		n.a.
F 11	13 37	1n27	1 46	3 19	2 23	0 30	0 45	25 45	2 19	24 17	0 44	10 47	2 11	23 35	0 35	5 45	1 57	35 27	14 19	5 1	5 46	12 54		n.a.
S 12	13 58	5 16	2 44	3 48	2 17	0 25	0 56	25 46	2 22	24 17	0 44	10 45	2 11	23 35	0 36	5 46	1 57	35 27	14 19	5 3	5 47	12 56		n.a.
S 13	14 18	8 51	3 34	4 20	2 11	0 21	1 7	25 47	2 24	24 18	0 45	10 43	2 10	23 36	0 36	5 47	1 57	35 26	14 19	5 6	5 48	12 57		n.a.
M14	14 38	12 5	4 14	4 52	2 5	0 18	1 17	25 49	2 26	24 18	0 45	10 42	2 10	23 36	0 36	5 48	1 57	35 26	14 18	5 10	5 50	12 59		n.a.
T 15	14 58	14 50	4 44	5 26	1 58	0 16	1 26	25 50	2 29	24 18	0 45	10 40	2 10	23 36	0 36	5 49	1 57	35 26	14 18	5 14	5 51	13 0		n.a.
W16	15 18	16 57	5 1	6 0	1 52	0 16	1 36	25 52	2 31	24 18	0 45	10 39	2 10	23 36	0 36	5 50	1 57	35 25	14 18	5 18	5 52	13 1		n.a.
T 17	15 37	18 21	5 5	6 35	1 44	0 17	1 45	25 54	2 34	24 19	0 46	10 37	2 10	23 36	0 36	5 50	1 57	35 25	14 17	5 22	5 53	13 3		n.a.
F 18	15 56	18 57	4 55	7 11	1 37	0 19	1 53	25 55	2 36	24 19	0 46	10 35	2 10	23 36	0 36	5 51	1 57	35 24	14 17	5 26	5 55	13 4		n.a.
S 19	16 15	18 42	4 33	7 48	1 30	0 22	2 1	25 57	2 38	24 20	0 46	10 34	2 10	23 36	0 36	5 52	1 57	35 24	14 17	5 29	5 56	13 6		n.a.
S 20	16 34	17 34	3 57	8 24	1 23	0 26	2 9	25 59	2 41	24 20	0 46	10 32	2 10	23 36	0 36	5 53	1 57	35 24	14 17	5 31	5 57	13 7		n.a.
M21	16 52	15 34	3 10	9 1	1 15	0 31	2 16	26 1	2 43	24 20	0 47	10 31	2 9	23 36	0 36	5 54	1 57	35 23	14 16	5 31	5 58	13 9		n.a.
T 22	17 10	12 45	2 12	9 38	1 8	0 37	2 23	26 3	2 46	24 21	0 47	10 29	2 9	23 37	0 36	5 54	1 57	35 23	14 16	5 31	6 0	13 10		n.a.
W23	17 27	9 11	1 5	10 15	1 0	0 44	2 30	26 5	2 48	24 21	0 47	10 28	2 9	23 37	0 36	5 55	1 57	35 22	14 16	5 31	6 1	13 12		n.a.
T 24	17 45	5 2	0n 8	10 53	0 53	0 51	2 36	26 7	2 51	24 22	0 47	10 26	2 9	23 37	0 36	5 56	1 57	35 22	14 15	5 31	6 2	13 13		n.a.
F 25	18 2	0 28	1 23	11 30	0 45	1 0	2 42	26 10	2 54	24 22	0 48	10 25	2 9	23 37	0 36	5 57	1 57	35 21	14 15	5 31	6 3	13 15		n.a.
S 26	18 18	4s16	2 34	12 7	0 38	1 10	2 48	26 12	2 56	24 23	0 48	10 23	2 9	23 37	0 36	5 57	1 57	35 21	14 15	5 33	6 5	13 16		n.a.
S 27	18 35	8 52	3 37	12 44	0 30	1 20	2 53	26 15	2 59	24 23	0 48	10 22	2 9	23 37	0 36	5 58	1 58	35 20	14 15	5 35	6 6	13 18		n.a.
M28	18 51	12 58	4 25	13 20	0 23	1 31	2 58	26 17	3 1	24 24	0 48	10 20	2 8	23 38	0 36	5 59	1 58	35 20	14 14	5 39	6 7	13 19		n.a.
T 29	19 6	16 12	4 54	13 56	0 16	1 43	3 2	26 20	3 4	24 24	0 49	10 19	2 8	23 38	0 36	5 59	1 58	35 20	14 14	5 43	6 8	13 21		n.a.
W30	19s22	18s16	5n 2	14s32	0n 8	1s56	3n 7	26n23	3n 7	24n25	0n49	10n18	2s 8	23n38	0n36	6s 0	1n58	35s19	14s14	5n47	6n10	13n22		n.a.

Julian Day Number = 1118334.5, Delta T = 10h44m51s
Ecliptic obliquity = 23°53'06, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°51'03, Lahiri = -26°44'02 Julian Calendar 1 Nov. 1652 BCE == Greg. Calendar 18 Oct. 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1652 BCE
geocentric

DECEMBER 1652 BCE (-1651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 41 49	25♏59'15	2♑25	10♏12	12♎35	12°R29	8°R35	1°R39	14°R53	19♎39	25♑48	15°R26	14♍35	19♉16	n.a.	T 1
F 2	3 45 45	27° 0'30	16°56	11°41	13°19	12♋26	8♋30	1♉35	14♋52	19°41	25°49	15♍18	14°31	19°22	n.a.	F 2
S 3	3 49 42	28° 1'45	0♒57	13°11	14° 4	12°22	8°26	1°30	14°50	19°43	25°50	15°12	14°28	19°29	n.a.	S 3
S 4	3 53 38	29° 2'59	14°28	14°42	14°50	12°18	8°21	1°26	14°49	19°45	25°51	15° 9	14°25	19°36	n.a.	S 4
M 5	3 57 35	0♐ 4'12	27°31	16°13	15°37	12°12	8°17	1°22	14°47	19°47	25°52	15°D 9	14°22	19°43	n.a.	M 5
T 6	4 1 31	1° 5'24	10♓10	17°45	16°24	12° 6	8°12	1°18	14°45	19°48	25°53	15°R 9	14°19	19°49	n.a.	T 6
W 7	4 5 28	2° 6'34	22°30	19°17	17°13	12° 0	8° 7	1°14	14°44	19°50	25°54	15° 9	14°16	19°56	n.a.	W 7
T 8	4 9 24	3° 7'44	4♈37	20°50	18° 2	11°52	8° 1	1°10	14°42	19°52	25°55	15° 7	14°12	20° 3	n.a.	T 8
F 9	4 13 21	4° 8'52	16°34	22°23	18°52	11°44	7°56	1° 7	14°40	19°54	25°56	15° 3	14° 9	20° 9	n.a.	F 9
S 10	4 17 18	5° 9'59	28°26	23°57	19°43	11°34	7°50	1° 3	14°38	19°55	25°57	14°56	14° 6	20°16	n.a.	S 10
S 11	4 21 14	6°11'05	10♉16	25°31	20°35	11°24	7°45	0°59	14°37	19°57	25°58	14°46	14° 3	20°23	n.a.	S 11
M12	4 25 11	7°12'11	22° 7	27° 6	21°28	11°14	7°39	0°56	14°35	19°59	26° 0	14°34	14° 0	20°30	n.a.	M12
T 13	4 29 7	8°13'15	4♊ 0	28°42	22°21	11° 2	7°33	0°52	14°33	20° 1	26° 1	14°19	13°56	20°36	n.a.	T 13
W14	4 33 4	9°14'18	15°58	0♗18	23°15	10°50	7°27	0°49	14°31	20° 2	26° 2	14° 4	13°53	20°43	n.a.	W14
T 15	4 37 0	10°15'20	28° 1	1°55	24° 9	10°37	7°20	0°46	14°29	20° 4	26° 3	13°50	13°50	20°50	n.a.	T 15
F 16	4 40 57	11°16'20	10♋ 9	3°32	25° 4	10°23	7°14	0°42	14°27	20° 5	26° 4	13°37	13°47	20°56	n.a.	F 16
S 17	4 44 54	12°17'20	22°26	5°10	26° 0	10° 8	7° 7	0°39	14°25	20° 7	26° 5	13°27	13°44	21° 3	n.a.	S 17
S 18	4 48 50	13°18'19	4♌51	6°49	26°56	9°53	7° 1	0°36	14°23	20° 9	26° 7	13°19	13°41	21°10	n.a.	S 18
M19	4 52 47	14°19'17	17°29	8°28	27°53	9°37	6°54	0°34	14°20	20°10	26° 8	13°15	13°37	21°17	n.a.	M19
T 20	4 56 43	15°20'14	0♍21	10° 8	28°50	9°20	6°47	0°31	14°18	20°12	26° 9	13°13	13°34	21°23	n.a.	T 20
W21	5 0 40	16°21'09	13°32	11°49	29°48	9° 2	6°40	0°28	14°16	20°13	26°10	13°13	13°31	21°30	n.a.	W21
T 22	5 4 36	17°22'04	27° 4	13°30	0♏47	8°44	6°33	0°25	14°14	20°14	26°12	13°13	13°28	21°37	n.a.	T 22
F 23	5 8 33	18°22'57	11♎ 0	15°13	1°45	8°26	6°26	0°23	14°12	20°16	26°13	13°12	13°25	21°43	n.a.	F 23
S 24	5 12 29	19°23'50	25°21	16°56	2°45	8° 6	6°19	0°20	14° 9	20°17	26°14	13° 8	13°22	21°50	n.a.	S 24
S 25	5 16 26	20°24'41	10♏ 5	18°39	3°44	7°46	6°11	0°18	14° 7	20°19	26°16	13° 2	13°18	21°57	n.a.	S 25
M26	5 20 23	21°25'31	25° 6	20°24	4°44	7°26	6° 4	0°16	14° 5	20°20	26°17	12°53	13°15	22° 4	n.a.	M26
T 27	5 24 19	22°26'20	10♐17	22° 9	5°45	7° 5	5°57	0°14	14° 2	20°21	26°18	12°42	13°12	22°10	n.a.	T 27
W28	5 28 16	23°27'08	25°26	23°55	6°46	6°44	5°49	0°12	14° 0	20°23	26°20	12°30	13° 9	22°17	n.a.	W28
T 29	5 32 12	24°27'53	10♑23	25°42	7°47	6°22	5°41	0°10	13°58	20°24	26°21	12°19	13° 6	22°24	n.a.	T 29
F 30	5 36 9	25°28'38	24°59	27°30	8°49	5°59	5°34	0° 8	13°55	20°25	26°22	12°10	13° 2	22°30	n.a.	F 30
S 31	5 40 5	26♐29'20	9♒ 8	29♐18	9♏51	5♋37	5♋26	0♉ 7	13♋53	20♎26	26♑24	12♍ 3	12♍59	22♉37	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s37	19s 2	4n49	15s 8	0n 1	2s 9	3n11	26n26	3n 9	24n25	0n49	10n16	2s 8	23n38	0n36	6s 1	1n58	35s19	14s13	5n51	6n11	13n23		n.a.
F 2	19 51	18 31	4 18	15 43	0s 6	2 23	3 14	26 28	3 12	24 26	0 49	10 15	2 8	23 38	0 36	6 2	1 58	35 18	14 13	5 54	6 12	13 25		n.a.
S 3	20 5	16 52	3 32	16 18	0 13	2 37	3 18	26 31	3 14	24 26	0 50	10 14	2 7	23 39	0 36	6 2	1 58	35 18	14 13	5 56	6 13	13 26		n.a.
S 4	20 19	14 19	2 35	16 52	0 20	2 52	3 21	26 34	3 17	24 27	0 50	10 12	2 7	23 39	0 36	6 3	1 58	35 17	14 13	5 57	6 15	13 28		n.a.
M 5	20 33	11 7	1 32	17 25	0 26	3 8	3 24	26 38	3 20	24 27	0 50	10 11	2 7	23 39	0 36	6 4	1 58	35 17	14 12	5 58	6 16	13 29		n.a.
T 6	20 46	7 29	0 26	17 58	0 33	3 24	3 26	26 41	3 22	24 28	0 50	10 10	2 7	23 39	0 36	6 4	1 58	35 16	14 12	5 58	6 17	13 31		n.a.
W 7	20 58	3 37	0s39	18 30	0 39	3 41	3 29	26 44	3 25	24 28	0 51	10 9	2 7	23 39	0 36	6 5	1 58	35 16	14 12	5 58	6 18	13 32		n.a.
T 8	21 10	0n19	1 41	19 2	0 46	3 58	3 31	26 47	3 28	24 29	0 51	10 8	2 6	23 40	0 36	6 6	1 58	35 16	14 12	5 58	6 20	13 34		n.a.
F 9	21 22	4 12	2 38	19 32	0 52	4 15	3 33	26 51	3 30	24 30	0 51	10 6	2 6	23 40	0 36	6 6	1 58	35 15	14 11	6 0	6 21	13 35		n.a.
S 10	21 34	7 53	3 28	20 2	0 58	4 33	3 34	26 54	3 33	24 30	0 51	10 5	2 6	23 40	0 37	6 7	1 58	35 15	14 11	6 2	6 22	13 36		n.a.
S 11	21 44	11 15	4 8	20 31	1 3	4 52	3 36	26 58	3 36	24 31	0 52	10 4	2 6	23 40	0 37	6 7	1 58	35 14	14 11	6 6	6 23	13 38		n.a.
M12	21 55	14 10	4 37	20 59	1 9	5 10	3 37	27 1	3 38	24 31	0 52	10 3	2 6	23 41	0 37	6 8	1 58	35 14	14 11	6 11	6 25	13 39		n.a.
T 13	22 5	16 31	4 55	21 26	1 14	5 29	3 38	27 5	3 41	24 32	0 52	10 2	2 5	23 41	0 37	6 9	1 58	35 13	14 11	6 17	6 26	13 41		n.a.
W14	22 15	18 10	4 59	21 53	1 19	5 49	3 39	27 8	3 43	24 32	0 52	10 1	2 5	23 41	0 37	6 9	1 58	35 13	14 10	6 23	6 27	13 42		n.a.
T 15	22 24	19 2	4 50	22 18	1 24	6 9	3 39	27 12	3 46	24 33	0 52	10 0	2 5	23 41	0 37	6 10	1 58	35 12	14 10	6 28	6 28	13 44		n.a.
F 16	22 33	19 2	4 28	22 42	1 28	6 29	3 40	27 16	3 48	24 34	0 53	10 0	2 5	23 42	0 37	6 10	1 58	35 12	14 10	6 34	6 30	13 45		n.a.
S 17	22 41	18 8	3 54	23 5	1 33	6 49	3 40	27 19	3 51	24 34	0 53	9 59	2 4	23 42	0 37	6 11	1 58	35 11	14 10	6 38	6 31	13 46		n.a.
S 18	22 49	16 22	3 8	23 26	1 37	7 9	3 40	27 23	3 53	24 35	0 53	9 58	2 4	23 42	0 37	6 12	1 58	35 11	14 10	6 40	6 32	13 48		n.a.
M19	22 57	13 48	2 11	23 47	1 41	7 30	3 40	27 26	3 55	24 35	0 53	9 57	2 4	23 42	0 37	6 12	1 58	35 11	14 9	6 42	6 33	13 49		n.a.
T 20	23 4	10 30	1 7	24 6	1 44	7 51	3 40	27 30	3 58	24 36	0 54	9 56	2 4	23 43	0 37	6 13	1 58	35 10	14 9	6 43	6 35	13 51		n.a.
W21	23 10	6 37	0n 2	24 24	1 47	8 12	3 39	27 33	4 0	24 36	0 54	9 56	2 3	23 43	0 37	6 13	1 59	35 10	14 9	6 43	6 36	13 52		n.a.
T 22	23 16	2 18	1 13	24 40	1 50	8 33	3 38	27 37	4 2	24 37	0 54	9 55	2 3	23 43	0 37	6 14	1 59	35 9	14 9	6 43	6 37	13 54		n.a.
F 23	23 22	2s17	2 21	24 55	1 52	8 54	3 38	27 40	4 4	24 38	0 54	9 54	2 3	23 43	0 37	6 14	1 59	35 9	14 9	6 43	6 38	13 55		n.a.
S 24	23 27	6 51	3 23	25 8	1 55	9 16	3 37	27 44	4 6	24 38	0 54	9 54	2 3	23 44	0 37	6 15	1 59	35 8	14 8	6 45	6 40	13 56		n.a.
S 25	23 32	11 7	4 13	25 19	1 56	9 37	3 35	27 47	4 8	24 39	0 55	9 53	2 2	23 44	0 37	6 15	1 59	35 8	14 8	6 47	6 41	13 58		n.a.
M26	23 36	14 46	4 46	25 29	1 58	9 59	3 34	27 50	4 10	24 39	0 55	9 53	2 2	23 44	0 37	6 16	1 59	35 7	14 8	6 51	6 42	13 59		n.a.
T 27	23 40	17 27	5 0	25 37	1 59	10 21	3 33	27 53	4 12	24 40	0 55	9 52	2 2	23 45	0 37	6 16	1 59	35 7	14 8	6 55	6 43	14 1		n.a.
W28	23 43	18 55	4 53	25 44	1 59	10 42	3 31	27 56	4 14	24 40	0 55	9 52	2 1	23 45	0 37	6 16	1 59	35 7	14 8	7 0	6 44	14 2		n.a.
T 29	23 46	19 3	4 26	25 48	1 59	11 4	3 30	27 59	4 15	24 41	0 55	9 51	2 1	23 45	0 37	6 17	1 59	35 6	14 8	7 4	6 46	14 3		n.a.
F 30	23 48	17 54	3 41	25 50	1 59	11 25	3 28	28 1	4 17	24 41	0 55	9 51	2 1	23 45	0 37	6 17	1 59	35 6	14 7	7 7	6 47	14 5		n.a.
S 31	23s50	15s40	2n45	25s51	1s58	11s47	3n26	28n 4	4n18	24n42	0n56	9n50	2s 1	23n46	0n37	6s18	1n59	35s 5	14s 7	7n10	6n48	14n 6		n.a.

Julian Day Number = 1118364.5, Delta T = 10h44m49s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'59, Lahiri = -26°43'58 Julian Calendar 1 Dec. 1652 BCE == Greg. Calendar 17 Nov. 1652 BCE

The year -1651 astronomical counting style corresponds to year 1652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

JANUARY 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 44 2	27♐30'00	22♒47	1♑ 7	10♏53	5°R14	5°R18	0°R 5	13°R50	20♎27	26♑25	12°R 0	12♍56	22♉44	n.a.	S 1
M 2	5 47 58	28°30'39	5♓58	2°56	11°55	4♋51	5♋10	0♉ 4	13♋48	20°28	26°27	11♍58	12°53	22°51	n.a.	M 2
T 3	5 51 55	29°31'15	18°42	4°46	12°58	4°27	5° 3	0° 2	13°45	20°30	26°28	11°D58	12°50	22°57	n.a.	T 3
W 4	5 55 52	0♑31'50	1♈ 6	6°37	14° 1	4° 4	4°55	0° 1	13°43	20°31	26°29	11°R58	12°47	23° 4	n.a.	W 4
T 5	5 59 48	1°32'22	13°14	8°27	15° 5	3°40	4°47	29♈59	13°40	20°32	26°31	11°58	12°43	23°11	n.a.	T 5
F 6	6 3 45	2°32'53	25°11	10°19	16° 8	3°16	4°39	29°59	13°38	20°33	26°32	11°55	12°40	23°17	n.a.	F 6
S 7	6 7 41	3°33'21	7♉ 2	12°10	17°12	2°52	4°31	29°58	13°35	20°34	26°34	11°50	12°37	23°24	n.a.	S 7
S 8	6 11 38	4°33'48	18°52	14° 1	18°17	2°28	4°23	29°57	13°32	20°35	26°35	11°42	12°34	23°31	n.a.	S 8
M 9	6 15 34	5°34'12	0♊44	15°52	19°21	2° 5	4°15	29°57	13°30	20°35	26°37	11°32	12°31	23°38	n.a.	M 9
T 10	6 19 31	6°34'35	12°41	17°42	20°26	1°41	4° 7	29°56	13°27	20°36	26°38	11°20	12°28	23°44	n.a.	T 10
W11	6 23 27	7°34'55	24°45	19°32	21°31	1°17	3°59	29°56	13°25	20°37	26°40	11° 8	12°24	23°51	n.a.	W11
T 12	6 27 24	8°35'14	6♋58	21°20	22°36	0°54	3°52	29°55	13°22	20°38	26°41	10°56	12°21	23°58	n.a.	T 12
F 13	6 31 21	9°35'30	19°19	23° 7	23°41	0°31	3°44	29°55	13°19	20°39	26°43	10°45	12°18	24° 4	n.a.	F 13
S 14	6 35 17	10°35'45	1♌50	24°52	24°47	0° 8	3°36	29°D55	13°17	20°40	26°44	10°37	12°15	24°11	n.a.	S 14
S 15	6 39 14	11°35'58	14°32	26°35	25°53	29♊45	3°28	29°55	13°14	20°40	26°46	10°31	12°12	24°18	n.a.	S 15
M16	6 43 10	12°36'09	27°24	28°15	26°59	29°23	3°20	29°55	13°12	20°41	26°48	10°28	12° 8	24°25	n.a.	M16
T 17	6 47 7	13°36'18	10♍28	29°52	28° 5	29° 1	3°13	29°55	13° 9	20°42	26°49	10°D27	12° 5	24°31	n.a.	T 17
W18	6 51 3	14°36'25	23°46	1♒24	29°11	28°40	3° 5	29°56	13° 6	20°42	26°51	10°27	12° 2	24°38	n.a.	W18
T 19	6 55 0	15°36'31	7♎20	2°52	0♐18	28°19	2°57	29°56	13° 4	20°43	26°52	10°28	11°59	24°45	n.a.	T 19
F 20	6 58 56	16°36'34	21°11	4°15	1°24	27°58	2°50	29°57	13° 1	20°43	26°54	10°R28	11°56	24°51	n.a.	F 20
S 21	7 2 53	17°36'37	5♏19	5°32	2°31	27°38	2°42	29°58	12°58	20°44	26°55	10°27	11°53	24°58	n.a.	S 21
S 22	7 6 50	18°36'37	19°43	6°43	3°38	27°19	2°35	29°58	12°56	20°44	26°57	10°23	11°49	25° 5	n.a.	S 22
M23	7 10 46	19°36'36	4♐21	7°47	4°46	27° 0	2°28	29°59	12°53	20°45	26°59	10°18	11°46	25°12	n.a.	M23
T 24	7 14 43	20°36'32	19° 7	8°44	5°53	26°42	2°20	0♉ 0	12°51	20°45	27° 0	10°10	11°43	25°18	n.a.	T 24
W25	7 18 39	21°36'27	3♑53	9°33	7° 0	26°24	2°13	0° 1	12°48	20°46	27° 2	10° 3	11°40	25°25	n.a.	W25
T 26	7 22 36	22°36'20	18°32	10°14	8° 8	26° 7	2° 6	0° 3	12°45	20°46	27° 3	9°55	11°37	25°32	n.a.	T 26
F 27	7 26 32	23°36'11	2♒56	10°46	9°16	25°51	1°59	0° 4	12°43	20°46	27° 5	9°49	11°34	25°38	n.a.	F 27
S 28	7 30 29	24°35'59	16°58	11°10	10°24	25°36	1°52	0° 6	12°40	20°47	27° 6	9°44	11°30	25°45	n.a.	S 28
S 29	7 34 25	25°35'46	0♓37	11°25	11°32	25°21	1°46	0° 7	12°38	20°47	27° 8	9°42	11°27	25°52	n.a.	S 29
M30	7 38 22	26°35'29	13°50	11°R31	12°40	25° 7	1°39	0° 9	12°35	20°47	27°10	9°D42	11°24	25°59	n.a.	M30
T 31	7 42 19	27♑35'11	26♓39	11♒29	13♐48	24♊54	1♋32	0♉11	12♋33	20♎47	27♑11	9♍43	11♍21	26♉ 5	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	23s52	12s36	1n40	25s49	1s56	12s 9	3n24	28n 6	4n20	24n42	0n56	9n50	2s 0	23n46	0n37	6s18	1n59	35s 5	14s 7	7n11	6n49	14n 8			n.a.
M 2	23 53	9 0	0 32	25 45	1 54	12 30	3 22	28 9	4 21	24 43	0 56	9 50	2 0	23 46	0 37	6 18	1 59	35 4	14 7	7 12	6 51	14 9			n.a.
T 3	23 53	5 6	0s36	25 40	1 52	12 51	3 19	28 11	4 22	24 43	0 56	9 50	2 0	23 46	0 37	6 19	1 59	35 4	14 7	7 12	6 52	14 10			n.a.
W 4	23 53	1 5	1 40	25 31	1 49	13 13	3 17	28 13	4 23	24 44	0 56	9 50	2 0	23 47	0 37	6 19	1 59	35 3	14 7	7 12	6 53	14 12			n.a.
T 5	23 52	2n54	2 38	25 21	1 45	13 34	3 14	28 14	4 24	24 44	0 56	9 49	1 59	23 47	0 37	6 19	1 59	35 3	14 7	7 12	6 54	14 13			n.a.
F 6	23 52	6 42	3 28	25 9	1 40	13 55	3 12	28 16	4 25	24 45	0 56	9 49	1 59	23 47	0 37	6 20	1 59	35 3	14 7	7 13	6 56	14 15			n.a.
S 7	23 50	10 12	4 9	24 54	1 35	14 16	3 9	28 17	4 26	24 45	0 57	9 49	1 59	23 48	0 37	6 20	1 59	35 2	14 6	7 15	6 57	14 16			n.a.
S 8	23 48	13 17	4 39	24 37	1 29	14 36	3 6	28 18	4 27	24 45	0 57	9 49	1 58	23 48	0 37	6 20	2 0	35 2	14 6	7 18	6 58	14 17			n.a.
M 9	23 46	15 50	4 57	24 18	1 23	14 57	3 4	28 19	4 27	24 46	0 57	9 49	1 58	23 48	0 37	6 21	2 0	35 1	14 6	7 22	6 59	14 19			n.a.
T 10	23 43	17 45	5 2	23 56	1 16	15 17	3 1	28 20	4 28	24 46	0 57	9 49	1 58	23 48	0 37	6 21	2 0	35 1	14 6	7 27	7 1	14 20			n.a.
W11	23 40	18 53	4 54	23 33	1 8	15 37	2 58	28 21	4 28	24 47	0 57	9 49	1 58	23 49	0 37	6 21	2 0	35 1	14 6	7 31	7 2	14 21			n.a.
T 12	23 36	19 10	4 32	23 8	0 59	15 57	2 54	28 21	4 28	24 47	0 57	9 50	1 57	23 49	0 37	6 21	2 0	35 0	14 6	7 36	7 3	14 23			n.a.
F 13	23 32	18 33	3 58	22 40	0 49	16 17	2 51	28 22	4 29	24 47	0 57	9 50	1 57	23 49	0 37	6 22	2 0	35 0	14 6	7 40	7 4	14 24			n.a.
S 14	23 27	17 1	3 11	22 12	0 39	16 36	2 48	28 22	4 29	24 48	0 57	9 50	1 57	23 50	0 37	6 22	2 0	34 59	14 6	7 44	7 6	14 26			n.a.
S 15	23 22	14 39	2 14	21 41	0 28	16 55	2 45	28 22	4 29	24 48	0 58	9 50	1 56	23 50	0 37	6 22	2 0	34 59	14 6	7 46	7 7	14 27			n.a.
M16	23 16	11 31	1 9	21 10	0 16	17 14	2 41	28 21	4 28	24 48	0 58	9 51	1 56	23 50	0 37	6 22	2 0	34 59	14 6	7 47	7 8	14 28			n.a.
T 17	23 10	7 47	0n 0	20 37	0 4	17 32	2 38	28 21	4 28	24 48	0 58	9 51	1 56	23 50	0 37	6 23	2 0	34 58	14 6	7 47	7 9	14 30			n.a.
W18	23 4	3 36	1 11	20 4	0n 9	17 50	2 34	28 20	4 28	24 49	0 58	9 51	1 55	23 51	0 37	6 23	2 0	34 58	14 6	7 47	7 10	14 31			n.a.
T 19	22 57	0s50	2 19	19 31	0 23	18 8	2 31	28 20	4 27	24 49	0 58	9 52	1 55	23 51	0 37	6 23	2 0	34 57	14 6	7 47	7 12	14 32			n.a.
F 20	22 50	5 19	3 21	18 58	0 37	18 25	2 27	28 19	4 27	24 49	0 58	9 52	1 55	23 51	0 37	6 23	2 0	34 57	14 6	7 47	7 13	14 34			n.a.
S 21	22 42	9 36	4 11	18 25	0 51	18 42	2 24	28 18	4 26	24 50	0 58	9 53	1 55	23 51	0 37	6 23	2 0	34 57	14 6	7 47	7 14	14 35			n.a.
S 22	22 34	13 23	4 47	17 52	1 6	18 59	2 20	28 17	4 25	24 50	0 58	9 53	1 54	23 52	0 37	6 23	2 0	34 56	14 6	7 49	7 15	14 37			n.a.
M23	22 25	16 25	5 5	17 21	1 21	19 15	2 16	28 15	4 25	24 50	0 58	9 54	1 54	23 52	0 37	6 23	2 0	34 56	14 6	7 51	7 17	14 38			n.a.
T 24	22 16	18 24	5 3	16 52	1 36	19 31	2 12	28 14	4 24	24 50	0 58	9 55	1 54	23 52	0 37	6 24	2 1	34 56	14 6	7 54	7 18	14 39			n.a.
W25	22 7	19 9	4 41	16 24	1 52	19 46	2 9	28 13	4 23	24 50	0 58	9 55	1 53	23 52	0 37	6 24	2 1	34 55	14 6	7 57	7 19	14 41			n.a.
T 26	21 57	18 36	4 0	15 59	2 6	20 1	2 5	28 11	4 22	24 51	0 58	9 56	1 53	23 53	0 37	6 24	2 1	34 55	14 6	8 0	7 20	14 42			n.a.
F 27	21 47	16 52	3 5	15 36	2 21	20 16	2 1	28 9	4 20	24 51	0 59	9 57	1 53	23 53	0 37	6 24	2 1	34 55	14 6	8 2	7 22	14 43			n.a.
S 28	21 36	14 8	2 0	15 16	2 35	20 30	1 57	28 8	4 19	24 51	0 59	9 58	1 53	23 53	0 37	6 24	2 1	34 54	14 6	8 4	7 23	14 45			n.a.
S 29	21 25	10 42	0 49	14 59	2 49	20 43	1 53	28 6	4 18	24 51	0 59	9 58	1 52	23 54	0 37	6 24	2 1	34 54	14 6	8 4	7 24	14 46			n.a.
M30	21 14	6 49	0s22	14 45	3 1	20 56	1 49	28 4	4 17	24 51	0 59	9 59	1 52	23 54	0 37	6 24	2 1	34 54	14 6	8 5	7 25	14 47			n.a.
T 31	21s 2	2s44	1s31	14s34	3n13	21s 9	1n45	28n 2	4n15	24n51	0n59	10n 0	1s52	23n54	0n37	6s24	2n 1	34s53	14s 6	8n 4	7n26	14n49			n.a.

Julian Day Number = 1118395.5, Delta T = 10h44m47s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'54, Lahiri = -26°43'54 Julian Calendar 1 Jan. 1651 BCE == Greg. Calendar 18 Dec. 1652 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

FEBRUARY 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 46 15	28♉34'50	9♈ 7	11°R18	14♐56	24°R41	1°R26	0♉13	12°R30	20♎47	27♉13	9♍44	11♍18	26♉12	n.a.	W 1
T 2	7 50 12	29°34'26	21°19	10♒59	16° 5	24♊29	1♋20	0°15	12♋28	20°47	27°14	9°46	11°14	26°19	n.a.	T 2
F 3	7 54 8	0♒34'00	3♉19	10°33	17°13	24°18	1°14	0°17	12°25	20°48	27°16	9°R46	11°11	26°26	n.a.	F 3
S 4	7 58 5	1°33'32	15°12	10° 0	18°22	24° 8	1° 8	0°19	12°23	20°48	27°18	9°45	11° 8	26°32	n.a.	S 4
S 5	8 2 1	2°33'01	27° 4	9°21	19°30	23°59	1° 2	0°22	12°20	20°R48	27°19	9°42	11° 5	26°39	n.a.	S 5
M 6	8 5 58	3°32'28	8♊58	8°36	20°39	23°50	0°56	0°24	12°18	20°48	27°21	9°38	11° 2	26°46	n.a.	M 6
T 7	8 9 54	4°31'52	20°58	7°48	21°48	23°42	0°51	0°27	12°16	20°47	27°22	9°32	10°59	26°52	n.a.	T 7
W 8	8 13 51	5°31'14	3♋ 9	6°57	22°57	23°35	0°45	0°29	12°13	20°47	27°24	9°26	10°55	26°59	n.a.	W 8
T 9	8 17 47	6°30'34	15°30	6° 3	24° 6	23°29	0°40	0°32	12°11	20°47	27°25	9°20	10°52	27° 6	n.a.	T 9
F 10	8 21 44	7°29'51	28° 5	5°10	25°15	23°24	0°35	0°35	12° 9	20°47	27°27	9°15	10°49	27°13	n.a.	F 10
S 11	8 25 41	8°29'06	10♌53	4°16	26°25	23°19	0°30	0°38	12° 6	20°47	27°29	9°11	10°46	27°19	n.a.	S 11
S 12	8 29 37	9°28'19	23°55	3°24	27°34	23°15	0°25	0°41	12° 4	20°47	27°30	9° 8	10°43	27°26	n.a.	S 12
M13	8 33 34	10°27'30	7♍ 9	2°35	28°43	23°12	0°20	0°44	12° 2	20°46	27°32	9°D 7	10°40	27°33	n.a.	M13
T 14	8 37 30	11°26'38	20°36	1°48	29°53	23°10	0°16	0°47	12° 0	20°46	27°33	9° 8	10°36	27°39	n.a.	T 14
W15	8 41 27	12°25'45	4♎14	1° 6	1♑ 2	23° 8	0°11	0°51	11°58	20°46	27°35	9° 9	10°33	27°46	n.a.	W15
T 16	8 45 23	13°24'49	18° 3	0°28	2°12	23° 8	0° 7	0°54	11°55	20°46	27°36	9°11	10°30	27°53	n.a.	T 16
F 17	8 49 20	14°23'52	2♏ 1	29♑56	3°22	23°D 8	0° 3	0°58	11°53	20°45	27°38	9°12	10°27	28° 0	n.a.	F 17
S 18	8 53 16	15°22'53	16° 8	29°28	4°31	23° 8	29♊59	1° 2	11°51	20°45	27°39	9°R12	10°24	28° 6	n.a.	S 18
S 19	8 57 13	16°21'52	0♐22	29° 6	5°41	23°10	29°56	1° 5	11°49	20°44	27°41	9°12	10°20	28°13	n.a.	S 19
M20	9 1 9	17°20'49	14°41	28°50	6°51	23°12	29°52	1° 9	11°47	20°44	27°42	9°10	10°17	28°20	n.a.	M20
T 21	9 5 6	18°19'44	29° 1	28°40	8° 1	23°15	29°49	1°13	11°45	20°43	27°44	9° 8	10°14	28°26	n.a.	T 21
W22	9 9 3	19°18'37	13♑19	28°D35	9°11	23°18	29°46	1°17	11°43	20°43	27°45	9° 5	10°11	28°33	n.a.	W22
T 23	9 12 59	20°17'28	27°29	28°35	10°21	23°22	29°43	1°21	11°41	20°42	27°47	9° 2	10° 8	28°40	n.a.	T 23
F 24	9 16 56	21°16'18	11♒28	28°41	11°31	23°27	29°40	1°25	11°40	20°42	27°48	9° 0	10° 5	28°47	n.a.	F 24
S 25	9 20 52	22°15'05	25°11	28°52	12°42	23°33	29°38	1°30	11°38	20°41	27°50	8°59	10° 1	28°53	n.a.	S 25
S 26	9 24 49	23°13'50	8♓35	29° 8	13°52	23°39	29°35	1°34	11°36	20°40	27°51	8°D58	9°58	29° 0	n.a.	S 26
M27	9 28 45	24°12'32	21°41	29°29	15° 2	23°46	29°33	1°39	11°34	20°40	27°53	8°59	9°55	29° 7	n.a.	M27
T 28	9 32 42	25♒11'13	4♈26	29♑55	16♑13	23♊53	29♊31	1♉43	11♋33	20♎39	27♉54	9♍ 0	9♍52	29♉14	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20s50	1n21	2s33	14s27	3n23	21s21	1n41	28n 0	4n14	24n51	0n59	10n 1	1s51	23n54	0n37	6s24	2n 1	34s53	14s 6	8n 4	7n28	14n50		n.a.
T 2	20 37	5 17	3 27	14 24	3 32	21 32	1 37	27 58	4 12	24 51	0 59	10 2	1 51	23 54	0 37	6 24	2 1	34 53	14 6	8 3	7 29	14 51		n.a.
F 3	20 24	8 56	4 10	14 24	3 40	21 43	1 33	27 56	4 11	24 52	0 59	10 3	1 51	23 55	0 37	6 24	2 1	34 52	14 6	8 3	7 30	14 53		n.a.
S 4	20 11	12 11	4 43	14 27	3 46	21 53	1 29	27 54	4 9	24 52	0 59	10 4	1 51	23 55	0 37	6 24	2 1	34 52	14 6	8 3	7 31	14 54		n.a.
S 5	19 57	14 57	5 3	14 33	3 50	22 3	1 25	27 52	4 8	24 52	0 59	10 5	1 50	23 55	0 37	6 24	2 1	34 52	14 6	8 5	7 33	14 55		n.a.
M 6	19 43	17 5	5 11	14 43	3 52	22 12	1 21	27 50	4 6	24 52	0 59	10 7	1 50	23 55	0 37	6 24	2 1	34 51	14 6	8 6	7 34	14 57		n.a.
T 7	19 29	18 30	5 5	14 55	3 52	22 21	1 17	27 48	4 4	24 52	0 59	10 8	1 50	23 56	0 37	6 24	2 1	34 51	14 6	8 8	7 35	14 58		n.a.
W 8	19 14	19 6	4 45	15 10	3 51	22 29	1 13	27 46	4 3	24 52	0 59	10 9	1 50	23 56	0 37	6 23	2 2	34 51	14 6	8 11	7 36	14 59		n.a.
T 9	19 0	18 48	4 12	15 26	3 47	22 36	1 9	27 44	4 1	24 52	0 59	10 10	1 49	23 56	0 37	6 23	2 2	34 51	14 6	8 13	7 37	15 1		n.a.
F 10	18 44	17 35	3 25	15 45	3 42	22 43	1 5	27 42	3 59	24 52	0 59	10 11	1 49	23 56	0 37	6 23	2 2	34 50	14 6	8 15	7 39	15 2		n.a.
S 11	18 29	15 27	2 28	16 4	3 35	22 49	1 1	27 40	3 57	24 52	0 59	10 13	1 49	23 56	0 37	6 23	2 2	34 50	14 6	8 16	7 40	15 3		n.a.
S 12	18 13	12 30	1 22	16 25	3 26	22 55	0 57	27 38	3 55	24 52	0 59	10 14	1 48	23 57	0 37	6 23	2 2	34 50	14 6	8 17	7 41	15 5		n.a.
M13	17 57	8 53	0 11	16 46	3 16	23 0	0 53	27 36	3 54	24 52	0 59	10 15	1 48	23 57	0 37	6 23	2 2	34 50	14 6	8 18	7 42	15 6		n.a.
T 14	17 40	4 45	1n 3	17 8	3 5	23 4	0 49	27 34	3 52	24 52	0 59	10 17	1 48	23 57	0 37	6 23	2 2	34 49	14 6	8 18	7 44	15 7		n.a.
W15	17 23	0 19	2 13	17 29	2 52	23 8	0 45	27 32	3 50	24 52	0 59	10 18	1 48	23 57	0 37	6 22	2 2	34 49	14 7	8 17	7 45	15 9		n.a.
T 16	17 6	4s10	3 18	17 50	2 39	23 11	0 41	27 30	3 48	24 52	0 59	10 20	1 47	23 57	0 37	6 22	2 2	34 49	14 7	8 17	7 46	15 10		n.a.
F 17	16 49	8 29	4 11	18 11	2 25	23 13	0 37	27 28	3 46	24 52	0 59	10 21	1 47	23 58	0 37	6 22	2 2	34 49	14 7	8 16	7 47	15 11		n.a.
S 18	16 31	12 21	4 49	18 30	2 11	23 15	0 33	27 26	3 44	24 52	0 59	10 23	1 47	23 58	0 37	6 22	2 2	34 48	14 7	8 16	7 49	15 12		n.a.
S 19	16 13	15 33	5 11	18 49	1 56	23 16	0 29	27 24	3 42	24 52	0 59	10 24	1 47	23 58	0 37	6 22	2 2	34 48	14 7	8 16	7 50	15 14		n.a.
M20	15 55	17 48	5 13	19 7	1 41	23 17	0 25	27 22	3 40	24 52	0 59	10 26	1 46	23 58	0 37	6 21	2 2	34 48	14 7	8 17	7 51	15 15		n.a.
T 21	15 37	18 57	4 56	19 24	1 27	23 17	0 22	27 21	3 38	24 52	0 59	10 28	1 46	23 58	0 37	6 21	2 2	34 48	14 7	8 18	7 52	15 16		n.a.
W22	15 18	18 53	4 20	19 40	1 12	23 16	0 18	27 19	3 36	24 52	0 59	10 29	1 46	23 58	0 37	6 21	2 2	34 48	14 7	8 19	7 53	15 18		n.a.
T 23	14 59	17 38	3 29	19 54	0 57	23 14	0 14	27 17	3 34	24 52	0 59	10 31	1 46	23 59	0 37	6 21	2 2	34 47	14 8	8 20	7 55	15 19		n.a.
F 24	14 40	15 20	2 26	20 7	0 43	23 12	0 10	27 15	3 33	24 52	0 59	10 33	1 45	23 59	0 37	6 20	2 2	34 47	14 8	8 21	7 56	15 20		n.a.
S 25	14 21	12 11	1 15	20 18	0 29	23 9	0 7	27 14	3 31	24 52	0 59	10 34	1 45	23 59	0 37	6 20	2 3	34 47	14 8	8 21	7 57	15 21		n.a.
S 26	14 2	8 28	0 2	20 28	0 15	23 6	0 3	27 12	3 29	24 52	0 59	10 36	1 45	23 59	0 37	6 20	2 3	34 47	14 8	8 21	7 58	15 23		n.a.
M27	13 42	4 25	1s10	20 37	0 2	23 2	0s 0	27 11	3 27	24 52	0 59	10 38	1 45	23 59	0 37	6 19	2 3	34 47	14 8	8 21	8 0	15 24		n.a.
T 28	13s22	0s17	2s16	20s44	0s11	22s57	0s 4	27n 9	3n25	24n51	0n58	10n40	1s44	23n59	0n37	6s19	2n 3	34s47	14s 8	8n21	8n 1	15n25		n.a.

Julian Day Number = 1118426.5, Delta T = 10h44m45s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'50, Lahiri = -26°43'50 Julian Calendar 1 Feb. 1651 BCE == Greg. Calendar 18 Jan. 1651 BCE

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

MARCH 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 36 38	26♒ 9'51	16♈55	0♒24	17♉23	24♊ 2	29°R29	1♉48	11°R31	20°R38	27♉56	9♍ 1	9♍49	29♉20	n.a.	W 1
T 2	9 40 35	27° 8'26	29° 8	0°59	18°33	24°10	29♊27	1°53	11♋29	20♎37	27°57	9° 2	9°45	29°27	n.a.	T 2
F 3	9 44 31	28° 7'00	11♉11	1°37	19°44	24°20	29°26	1°57	11°28	20°37	27°59	9° 3	9°42	29°34	n.a.	F 3
S 4	9 48 28	29° 5'31	23° 6	2°18	20°54	24°30	29°25	2° 2	11°26	20°36	28° 0	9° 3	9°39	29°40	n.a.	S 4
S 5	9 52 25	0♓ 4'00	4♊59	3° 4	22° 5	24°40	29°24	2° 7	11°25	20°35	28° 1	9°R 3	9°36	29°47	n.a.	S 5
M 6	9 56 21	1° 2'26	16°54	3°53	23°16	24°52	29°23	2°12	11°23	20°34	28° 3	9° 3	9°33	29°54	n.a.	M 6
T 7	10 0 18	2° 0'51	28°56	4°45	24°26	25° 3	29°22	2°18	11°22	20°33	28° 4	9° 2	9°30	0♊ 1	n.a.	T 7
W 8	10 4 14	2°59'13	11♋ 9	5°40	25°37	25°16	29°21	2°23	11°21	20°32	28° 5	9° 2	9°26	0° 7	n.a.	W 8
T 9	10 8 11	3°57'33	23°36	6°39	26°48	25°28	29°21	2°28	11°19	20°31	28° 7	9° 1	9°23	0°14	n.a.	T 9
F 10	10 12 7	4°55'50	6♌20	7°40	27°59	25°42	29°D21	2°33	11°18	20°30	28° 8	9° 0	9°20	0°21	n.a.	F 10
S 11	10 16 4	5°54'06	19°23	8°44	29° 9	25°55	29°21	2°39	11°17	20°29	28° 9	9° 0	9°17	0°27	n.a.	S 11
S 12	10 20 0	6°52'19	2♍43	9°50	0♒20	26°10	29°21	2°44	11°16	20°28	28°11	9° 0	9°14	0°34	n.a.	S 12
M13	10 23 57	7°50'31	16°22	10°59	1°31	26°25	29°22	2°50	11°15	20°27	28°12	9°D 0	9°11	0°41	n.a.	M13
T 14	10 27 53	8°48'40	0♎15	12°11	2°42	26°40	29°22	2°56	11°14	20°26	28°13	9°R 0	9° 7	0°48	n.a.	T 14
W15	10 31 50	9°46'48	14°20	13°25	3°53	26°56	29°23	3° 1	11°13	20°25	28°15	9° 0	9° 4	0°54	n.a.	W15
T 16	10 35 47	10°44'54	28°34	14°41	5° 4	27°12	29°24	3° 7	11°12	20°24	28°16	9° 0	9° 1	1° 1	n.a.	T 16
F 17	10 39 43	11°42'59	12♏52	16° 0	6°15	27°29	29°25	3°13	11°11	20°23	28°17	9° 0	8°58	1° 8	n.a.	F 17
S 18	10 43 40	12°41'01	27°11	17°20	7°26	27°46	29°26	3°19	11°10	20°22	28°18	8°59	8°55	1°15	n.a.	S 18
S 19	10 47 36	13°39'03	11♐27	18°43	8°38	28° 3	29°28	3°25	11° 9	20°20	28°19	8°D59	8°51	1°21	n.a.	S 19
M20	10 51 33	14°37'03	25°37	20° 8	9°49	28°21	29°29	3°31	11° 8	20°19	28°21	8°59	8°48	1°28	n.a.	M20
T 21	10 55 29	15°35'01	9♑40	21°35	11° 0	28°40	29°31	3°37	11° 8	20°18	28°22	9° 0	8°45	1°35	n.a.	T 21
W22	10 59 26	16°32'59	23°34	23° 4	12°11	28°58	29°33	3°43	11° 7	20°17	28°23	9° 0	8°42	1°41	n.a.	W22
T 23	11 3 22	17°30'54	7♒17	24°35	13°23	29°18	29°36	3°49	11° 6	20°15	28°24	9° 1	8°39	1°48	n.a.	T 23
F 24	11 7 19	18°28'48	20°47	26° 8	14°34	29°37	29°38	3°56	11° 6	20°14	28°25	9° 2	8°36	1°55	n.a.	F 24
S 25	11 11 15	19°26'40	4♓ 5	27°43	15°45	29°57	29°41	4° 2	11° 5	20°13	28°26	9°R 2	8°32	2° 2	n.a.	S 25
S 26	11 15 12	20°24'31	17° 9	29°20	16°57	0♋18	29°43	4° 8	11° 5	20°11	28°27	9° 2	8°29	2° 8	n.a.	S 26
M27	11 19 9	21°22'20	29°58	0♓59	18° 8	0°38	29°46	4°15	11° 5	20°10	28°28	9° 1	8°26	2°15	n.a.	M27
T 28	11 23 5	22°20'08	12♈33	2°39	19°19	1° 0	29°49	4°21	11° 4	20° 9	28°29	9° 0	8°23	2°22	n.a.	T 28
W29	11 27 2	23°17'53	24°55	4°22	20°31	1°21	29°53	4°28	11° 4	20° 7	28°30	8°58	8°20	2°29	n.a.	W29
T 30	11 30 58	24°15'37	7♉ 6	6° 7	21°42	1°43	29°56	4°35	11° 4	20° 6	28°31	8°56	8°16	2°35	n.a.	T 30
F 31	11 34 55	25♓13'20	19♉ 7	7♓54	22♒54	2♋ 5	29♊59	4♉41	11♋ 4	20♎ 4	28♉32	8♍54	8♍13	2♊42	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13s 2	3n46	3s15	20s49	0s24	22s51	0s 7	27n 8	3n23	24n51	0n58	10n42	1s44	23n59	0n37	6s19	2n 3	34s46	14s 9	8n20	8n 2	15n27		n.a.
T 2	12 41	7 35	4 3	20 53	0 35	22 45	0 11	27 6	3 21	24 51	0 58	10 44	1 44	24 0	0 37	6 18	2 3	34 46	14 9	8 20	8 3	15 28		n.a.
F 3	12 21	11 2	4 40	20 56	0 47	22 38	0 14	27 5	3 19	24 51	0 58	10 45	1 44	24 0	0 37	6 18	2 3	34 46	14 9	8 19	8 4	15 29		n.a.
S 4	12 0	13 59	5 5	20 57	0 57	22 31	0 18	27 3	3 17	24 51	0 58	10 47	1 43	24 0	0 37	6 18	2 3	34 46	14 9	8 19	8 6	15 30		n.a.
S 5	11 39	16 21	5 16	20 56	1 8	22 23	0 21	27 2	3 15	24 51	0 58	10 49	1 43	24 0	0 37	6 17	2 3	34 46	14 9	8 19	8 7	15 32		n.a.
M 6	11 18	18 1	5 14	20 53	1 17	22 14	0 24	27 0	3 14	24 51	0 58	10 51	1 43	24 0	0 37	6 17	2 3	34 46	14 10	8 19	8 8	15 33		n.a.
T 7	10 57	18 55	4 58	20 49	1 26	22 5	0 27	26 59	3 12	24 51	0 58	10 53	1 43	24 0	0 37	6 17	2 3	34 46	14 10	8 20	8 9	15 34		n.a.
W 8	10 36	18 57	4 28	20 44	1 35	21 55	0 30	26 58	3 10	24 51	0 58	10 55	1 42	24 0	0 37	6 16	2 3	34 46	14 10	8 20	8 10	15 35		n.a.
T 9	10 14	18 4	3 46	20 37	1 43	21 44	0 34	26 56	3 8	24 51	0 58	10 57	1 42	24 0	0 37	6 16	2 3	34 45	14 10	8 20	8 12	15 37		n.a.
F 10	9 53	16 16	2 51	20 28	1 50	21 33	0 37	26 55	3 6	24 51	0 58	11 0	1 42	24 0	0 37	6 15	2 3	34 45	14 10	8 20	8 13	15 38		n.a.
S 11	9 31	13 36	1 47	20 17	1 57	21 21	0 39	26 54	3 4	24 51	0 58	11 2	1 42	24 0	0 37	6 15	2 3	34 45	14 11	8 21	8 14	15 39		n.a.
S 12	9 9	10 9	0 35	20 5	2 3	21 9	0 42	26 52	3 3	24 51	0 58	11 4	1 42	24 1	0 37	6 14	2 3	34 45	14 11	8 21	8 15	15 41		n.a.
M13	8 47	6 6	0n41	19 51	2 8	20 56	0 45	26 51	3 1	24 51	0 58	11 6	1 41	24 1	0 37	6 14	2 3	34 45	14 11	8 21	8 17	15 42		n.a.
T 14	8 25	1 39	1 55	19 35	2 13	20 42	0 48	26 50	2 59	24 51	0 58	11 8	1 41	24 1	0 37	6 14	2 3	34 45	14 11	8 21	8 18	15 43		n.a.
W15	8 3	2s56	3 4	19 18	2 18	20 28	0 51	26 48	2 57	24 51	0 58	11 10	1 41	24 1	0 37	6 13	2 3	34 45	14 12	8 21	8 19	15 44		n.a.
T 16	7 40	7 24	4 2	18 59	2 21	20 13	0 53	26 47	2 56	24 51	0 58	11 12	1 41	24 1	0 37	6 13	2 4	34 45	14 12	8 21	8 20	15 46		n.a.
F 17	7 18	11 28	4 45	18 38	2 25	19 57	0 56	26 45	2 54	24 51	0 58	11 15	1 40	24 1	0 37	6 12	2 4	34 45	14 12	8 21	8 21	15 47		n.a.
S 18	6 55	14 52	5 10	18 16	2 27	19 42	0 58	26 44	2 52	24 50	0 57	11 17	1 40	24 1	0 37	6 12	2 4	34 45	14 12	8 21	8 23	15 48		n.a.
S 19	6 33	17 21	5 17	17 51	2 29	19 25	1 1	26 43	2 50	24 50	0 57	11 19	1 40	24 1	0 37	6 11	2 4	34 45	14 13	8 21	8 24	15 49		n.a.
M20	6 10	18 45	5 4	17 25	2 31	19 8	1 3	26 41	2 49	24 50	0 57	11 21	1 40	24 1	0 37	6 11	2 4	34 45	14 13	8 21	8 25	15 50		n.a.
T 21	5 47	18 59	4 33	16 58	2 32	18 50	1 5	26 40	2 47	24 50	0 57	11 24	1 40	24 1	0 37	6 10	2 4	34 45	14 13	8 21	8 26	15 52		n.a.
W22	5 24	18 4	3 46	16 28	2 32	18 32	1 8	26 38	2 45	24 50	0 57	11 26	1 39	24 1	0 37	6 10	2 4	34 45	14 13	8 20	8 27	15 53		n.a.
T 23	5 1	16 6	2 47	15 57	2 32	18 14	1 10	26 37	2 44	24 50	0 57	11 28	1 39	24 1	0 37	6 9	2 4	34 45	14 14	8 20	8 29	15 54		n.a.
F 24	4 38	13 16	1 39	15 24	2 31	17 55	1 12	26 35	2 42	24 50	0 57	11 31	1 39	24 1	0 37	6 9	2 4	34 45	14 14	8 20	8 30	15 55		n.a.
S 25	4 15	9 46	0 27	14 50	2 30	17 35	1 14	26 33	2 40	24 50	0 57	11 33	1 39	24 1	0 37	6 8	2 4	34 45	14 14	8 20	8 31	15 57		n.a.
S 26	3 52	5 51	0s45	14 13	2 28	17 15	1 16	26 32	2 39	24 50	0 57	11 35	1 39	24 1	0 37	6 8	2 4	34 45	14 15	8 20	8 32	15 58		n.a.
M27	3 29	1 44	1 53	13 35	2 25	16 55	1 18	26 30	2 37	24 50	0 57	11 38	1 39	24 1	0 37	6 7	2 4	34 45	14 15	8 20	8 34	15 59		n.a.
T 28	3 6	2n22	2 55	12 56	2 22	16 34	1 20	26 28	2 35	24 50	0 57	11 40	1 38	24 1	0 36	6 6	2 4	34 45	14 15	8 21	8 35	16 0		n.a.
W29	2 43	6 18	3 47	12 14	2 19	16 12	1 21	26 27	2 34	24 50	0 57	11 43	1 38	24 1	0 36	6 6	2 4	34 45	14 15	8 21	8 36	16 2		n.a.
T 30	2 19	9 55	4 28	11 31	2 15	15 50	1 23	26 25	2 32	24 50	0 57	11 45	1 38	24 1	0 36	6 5	2 4	34 45	14 16	8 22	8 37	16 3		n.a.
F 31	1s56	13n 4	4s57	10s46	2s10	15s28	1s24	26n23	2n31	24n50	0n57	11n47	1s38	24n 1	0n36	6s 5	2n 4	34s45	14s16	8n23	8n38	16n 4		n.a.

Julian Day Number = 1118454.5, Delta T = 10h44m44s
Ecliptic obliquity = 23°53'06, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'46, Lahiri = -26°43'46 Julian Calendar 1 March 1651 BCE == Greg. Calendar 15 Feb. 1651 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

APRIL 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 38 51	26♓11'00	1♊ 2	9♓42	24♒ 5	2♋28	0♋ 3	4♉48	11°R 4	20°R 3	28♑33	8°R52	8♍10	2♊49	n.a.	S 1
S 2	11 42 48	27° 8'39	12°55	11°33	25°17	2°50	0° 7	4°55	11♋ 3	20♎ 2	28°34	8♍50	8° 7	2°55	n.a.	S 2
M 3	11 46 44	28° 6'17	24°50	13°25	26°29	3°14	0°11	5° 2	11°D 3	20° 0	28°35	8°D50	8° 4	3° 2	n.a.	M 3
T 4	11 50 41	29° 3'52	6♋51	15°20	27°40	3°37	0°16	5° 9	11° 4	19°59	28°36	8°50	8° 1	3° 9	n.a.	T 4
W 5	11 54 38	0♈ 1'26	19° 3	17°16	28°52	4° 1	0°20	5°15	11° 4	19°57	28°37	8°51	7°57	3°16	n.a.	W 5
T 6	11 58 34	0°58'58	1♌31	19°15	0♓ 4	4°25	0°25	5°22	11° 4	19°56	28°38	8°52	7°54	3°22	n.a.	T 6
F 7	12 2 31	1°56'29	14°18	21°15	1°15	4°49	0°29	5°29	11° 4	19°54	28°39	8°54	7°51	3°29	n.a.	F 7
S 8	12 6 27	2°53'58	27°27	23°17	2°27	5°14	0°34	5°36	11° 4	19°53	28°40	8°55	7°48	3°36	n.a.	S 8
S 9	12 10 24	3°51'26	11♍ 0	25°20	3°39	5°39	0°39	5°44	11° 5	19°51	28°40	8°R55	7°45	3°42	n.a.	S 9
M10	12 14 20	4°48'52	24°56	27°25	4°51	6° 4	0°44	5°51	11° 5	19°50	28°41	8°54	7°42	3°49	n.a.	M10
T 11	12 18 17	5°46'17	9♎13	29°32	6° 2	6°30	0°50	5°58	11° 5	19°48	28°42	8°52	7°38	3°56	n.a.	T 11
W12	12 22 13	6°43'40	23°45	1♈40	7°14	6°55	0°55	6° 5	11° 6	19°46	28°43	8°49	7°35	4° 3	n.a.	W12
T 13	12 26 10	7°41'03	8♏26	3°49	8°26	7°21	1° 1	6°12	11° 6	19°45	28°43	8°45	7°32	4° 9	n.a.	T 13
F 14	12 30 6	8°38'24	23°10	5°59	9°38	7°48	1° 7	6°20	11° 7	19°43	28°44	8°41	7°29	4°16	n.a.	F 14
S 15	12 34 3	9°35'45	7♐49	8°10	10°50	8°14	1°13	6°27	11° 8	19°42	28°45	8°38	7°26	4°23	n.a.	S 15
S 16	12 38 0	10°33'05	22°17	10°21	12° 2	8°41	1°19	6°34	11° 8	19°40	28°46	8°35	7°22	4°30	n.a.	S 16
M17	12 41 56	11°30'24	6♑31	12°32	13°14	9° 8	1°25	6°42	11° 9	19°39	28°46	8°D34	7°19	4°36	n.a.	M17
T 18	12 45 53	12°27'43	20°28	14°44	14°26	9°35	1°31	6°49	11°10	19°37	28°47	8°34	7°16	4°43	n.a.	T 18
W19	12 49 49	13°25'01	4♒ 8	16°55	15°38	10° 3	1°38	6°56	11°11	19°35	28°47	8°35	7°13	4°50	n.a.	W19
T 20	12 53 46	14°22'18	17°31	19° 6	16°50	10°30	1°45	7° 4	11°11	19°34	28°48	8°37	7°10	4°56	n.a.	T 20
F 21	12 57 42	15°19'34	0♓40	21°15	18° 2	10°58	1°51	7°11	11°12	19°32	28°48	8°38	7° 7	5° 3	n.a.	F 21
S 22	13 1 39	16°16'50	13°35	23°24	19°14	11°27	1°58	7°19	11°13	19°30	28°49	8°R38	7° 3	5°10	n.a.	S 22
S 23	13 5 35	17°14'05	26°18	25°31	20°26	11°55	2° 5	7°27	11°14	19°29	28°50	8°37	7° 0	5°17	n.a.	S 23
M24	13 9 32	18°11'19	8♈49	27°37	21°38	12°24	2°12	7°34	11°16	19°27	28°50	8°33	6°57	5°23	n.a.	M24
T 25	13 13 29	19° 8'32	21°10	29°41	22°51	12°52	2°20	7°42	11°17	19°26	28°50	8°28	6°54	5°30	n.a.	T 25
W26	13 17 25	20° 5'45	3♉22	1♉43	24° 3	13°21	2°27	7°49	11°18	19°24	28°51	8°21	6°51	5°37	n.a.	W26
T 27	13 21 22	21° 2'57	15°27	3°43	25°15	13°51	2°35	7°57	11°19	19°22	28°51	8°14	6°47	5°43	n.a.	T 27
F 28	13 25 18	22° 0'08	27°24	5°41	26°27	14°20	2°42	8° 5	11°21	19°21	28°52	8° 6	6°44	5°50	n.a.	F 28
S 29	13 29 15	22°57'18	9♊17	7°37	27°40	14°50	2°50	8°12	11°22	19°19	28°52	7°58	6°41	5°57	n.a.	S 29
S 30	13 33 11	23♈54'27	21♊ 9	9♉31	28♓52	15♋20	2♋58	8♉20	11♋23	19♎18	28♑52	7♍52	6♍38	6♊ 4	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s33	15n39	5s12	9s59	2s 5	15s 5	1s26	26n21	2n29	24n50	0n57	11n50	1s38	24n 1	0n36	6s 4	2n 4	34s45	14s16	8n24	8n40	16n 5		n.a.
S 2	1 9	17 34	5 15	9 11	1 59	14 42	1 27	26 19	2 28	24 50	0 56	11 52	1 37	24 1	0 36	6 4	2 4	34 45	14 17	8 24	8 41	16 6		n.a.
M 3	0 46	18 44	5 3	8 21	1 52	14 18	1 29	26 17	2 26	24 49	0 56	11 55	1 37	24 1	0 36	6 3	2 4	34 46	14 17	8 25	8 42	16 8		n.a.
T 4	0 23	19 4	4 39	7 30	1 45	13 55	1 30	26 15	2 25	24 49	0 56	11 57	1 37	24 1	0 36	6 2	2 4	34 46	14 17	8 25	8 43	16 9		n.a.
W 5	0n 1	18 32	4 1	6 37	1 38	13 30	1 31	26 12	2 23	24 49	0 56	12 0	1 37	24 1	0 36	6 2	2 4	34 46	14 18	8 24	8 44	16 10		n.a.
T 6	0 24	17 5	3 12	5 43	1 30	13 6	1 32	26 10	2 22	24 49	0 56	12 2	1 37	24 1	0 36	6 1	2 4	34 46	14 18	8 24	8 46	16 11		n.a.
F 7	0 47	14 45	2 11	4 47	1 22	12 41	1 33	26 8	2 20	24 49	0 56	12 5	1 37	24 1	0 36	6 1	2 4	34 46	14 18	8 23	8 47	16 12		n.a.
S 8	1 10	11 36	1 3	3 50	1 13	12 15	1 34	26 5	2 19	24 49	0 56	12 7	1 36	24 1	0 36	6 0	2 4	34 46	14 19	8 23	8 48	16 14		n.a.
S 9	1 34	7 45	0n11	2 52	1 4	11 50	1 35	26 3	2 17	24 49	0 56	12 10	1 36	24 1	0 36	5 59	2 4	34 46	14 19	8 22	8 49	16 15		n.a.
M10	1 57	3 22	1 27	1 52	0 54	11 24	1 36	26 0	2 16	24 49	0 56	12 12	1 36	24 1	0 36	5 59	2 4	34 46	14 19	8 23	8 50	16 16		n.a.
T 11	2 20	1s18	2 39	0 52	0 44	10 57	1 37	25 57	2 14	24 49	0 56	12 15	1 36	24 1	0 36	5 58	2 4	34 47	14 20	8 24	8 52	16 17		n.a.
W12	2 43	5 58	3 41	0n 9	0 34	10 31	1 37	25 55	2 13	24 49	0 56	12 18	1 36	24 1	0 36	5 58	2 4	34 47	14 20	8 25	8 53	16 18		n.a.
T 13	3 6	10 19	4 30	1 11	0 24	10 4	1 38	25 52	2 11	24 49	0 56	12 20	1 36	24 1	0 36	5 57	2 4	34 47	14 20	8 26	8 54	16 19		n.a.
F 14	3 29	14 3	5 1	2 13	0 14	9 37	1 38	25 49	2 10	24 48	0 56	12 23	1 36	24 1	0 36	5 56	2 4	34 47	14 21	8 28	8 55	16 21		n.a.
S 15	3 52	16 53	5 12	3 15	0 3	9 9	1 39	25 46	2 9	24 48	0 56	12 25	1 35	24 0	0 36	5 56	2 4	34 47	14 21	8 29	8 56	16 22		n.a.
S 16	4 15	18 36	5 4	4 17	0n 8	8 42	1 39	25 43	2 7	24 48	0 56	12 28	1 35	24 0	0 36	5 55	2 4	34 47	14 21	8 30	8 58	16 23		n.a.
M17	4 38	19 7	4 36	5 19	0 18	8 14	1 39	25 39	2 6	24 48	0 55	12 30	1 35	24 0	0 36	5 55	2 4	34 48	14 22	8 31	8 59	16 24		n.a.
T 18	5 1	18 27	3 53	6 21	0 28	7 46	1 40	25 36	2 5	24 48	0 55	12 33	1 35	24 0	0 36	5 54	2 4	34 48	14 22	8 30	9 0	16 25		n.a.
W19	5 23	16 43	2 57	7 21	0 39	7 18	1 40	25 33	2 3	24 48	0 55	12 36	1 35	24 0	0 36	5 53	2 4	34 48	14 22	8 30	9 1	16 27		n.a.
T 20	5 46	14 5	1 53	8 21	0 48	6 49	1 40	25 29	2 2	24 48	0 55	12 38	1 35	24 0	0 36	5 53	2 4	34 48	14 23	8 29	9 2	16 28		n.a.
F 21	6 9	10 46	0 43	9 20	0 58	6 20	1 40	25 25	2 0	24 48	0 55	12 41	1 35	24 0	0 36	5 52	2 4	34 48	14 23	8 29	9 4	16 29		n.a.
S 22	6 31	6 59	0s27	10 17	1 7	5 52	1 40	25 22	1 59	24 47	0 55	12 43	1 34	24 0	0 36	5 51	2 4	34 49	14 23	8 29	9 5	16 30		n.a.
S 23	6 53	2 56	1 35	11 13	1 16	5 22	1 39	25 18	1 58	24 47	0 55	12 46	1 34	24 0	0 36	5 51	2 4	34 49	14 24	8 30	9 6	16 31		n.a.
M24	7 16	1n10	2 36	12 7	1 24	4 53	1 39	25 14	1 57	24 47	0 55	12 49	1 34	24 0	0 36	5 50	2 4	34 49	14 24	8 31	9 7	16 32		n.a.
T 25	7 38	5 10	3 30	13 0	1 32	4 24	1 39	25 10	1 55	24 47	0 55	12 51	1 34	23 59	0 36	5 50	2 4	34 49	14 24	8 33	9 8	16 33		n.a.
W26	8 0	8 55	4 13	13 50	1 39	3 54	1 38	25 5	1 54	24 47	0 55	12 54	1 34	23 59	0 36	5 49	2 4	34 50	14 25	8 35	9 10	16 35		n.a.
T 27	8 22	12 14	4 44	14 38	1 45	3 25	1 38	25 1	1 53	24 46	0 55	12 56	1 34	23 59	0 36	5 48	2 4	34 50	14 25	8 38	9 11	16 36		n.a.
F 28	8 43	15 2	5 3	15 24	1 51	2 55	1 37	24 57	1 51	24 46	0 55	12 59	1 34	23 59	0 36	5 48	2 4	34 50	14 26	8 41	9 12	16 37		n.a.
S 29	9 5	17 11	5 8	16 8	1 56	2 25	1 37	24 52	1 50	24 46	0 55	13 2	1 34	23 59	0 36	5 47	2 4	34 50	14 26	8 44	9 13	16 38		n.a.
S 30	9n27	18n36	5s 0	16n50	2n 1	1s56	1s36	24n47	1n49	24n46	0n55	13n 4	1s34	23n59	0n36	5s47	2n 4	34s51	14s26	8n46	9n14	16n39		n.a.

Julian Day Number = 1118485.5, Delta T = 10h44m42s
Ecliptic obliquity = 23°53'06, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'42, Lahiri = -26°43'42 Julian Calendar 1 Apr. 1651 BCE == Greg. Calendar 18 March 1651 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

MAY 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 37 8	24♈51'36	3♋ 2	11♉22	0♈ 4	15♋50	3♋ 6	8♉28	11♋25	19°R16	28♏53	7°R48	6♍35	6♊10	n.a.	M 1
T 2	13 41 5	25°48'44	15° 1	13°11	1°17	16°20	3°14	8°36	11°26	19♎14	28°53	7♍45	6°32	6°17	n.a.	T 2
W 3	13 45 1	26°45'51	27°11	14°57	2°29	16°50	3°23	8°43	11°28	19°13	28°53	7°D45	6°28	6°24	n.a.	W 3
T 4	13 48 58	27°42'57	9♌36	16°41	3°41	17°21	3°31	8°51	11°29	19°11	28°54	7°45	6°25	6°31	n.a.	T 4
F 5	13 52 54	28°40'03	22°20	18°23	4°54	17°52	3°40	8°59	11°31	19°10	28°54	7°46	6°22	6°37	n.a.	F 5
S 6	13 56 51	29°37'07	5♍29	20° 2	6° 6	18°23	3°48	9° 7	11°33	19° 8	28°54	7°R47	6°19	6°44	n.a.	S 6
S 7	14 0 47	0♉34'11	19° 5	21°39	7°19	18°54	3°57	9°15	11°34	19° 6	28°54	7°47	6°16	6°51	n.a.	S 7
M 8	14 4 44	1°31'15	3♎ 8	23°13	8°31	19°25	4° 6	9°22	11°36	19° 5	28°54	7°44	6°13	6°57	n.a.	M 8
T 9	14 8 40	2°28'18	17°38	24°44	9°44	19°57	4°15	9°30	11°38	19° 3	28°54	7°40	6° 9	7° 4	n.a.	T 9
W10	14 12 37	3°25'20	2♏28	26°14	10°56	20°28	4°24	9°38	11°40	19° 2	28°55	7°33	6° 6	7°11	n.a.	W10
T 11	14 16 34	4°22'23	17°32	27°40	12° 9	21° 0	4°33	9°46	11°42	19° 0	28°55	7°25	6° 3	7°18	n.a.	T 11
F 12	14 20 30	5°19'25	2♐39	29° 4	13°21	21°32	4°42	9°54	11°44	18°59	28°55	7°17	6° 0	7°24	n.a.	F 12
S 13	14 24 27	6°16'27	17°40	0♊25	14°34	22° 4	4°52	10° 2	11°46	18°57	28°55	7° 9	5°57	7°31	n.a.	S 13
S 14	14 28 23	7°13'29	2♑25	1°44	15°47	22°37	5° 1	10°10	11°48	18°56	28°R55	7° 3	5°53	7°38	n.a.	S 14
M15	14 32 20	8°10'32	16°50	3° 0	16°59	23° 9	5°11	10°17	11°50	18°54	28°55	6°59	5°50	7°45	n.a.	M15
T 16	14 36 16	9° 7'35	0♒51	4°13	18°12	23°42	5°20	10°25	11°52	18°52	28°55	6°57	5°47	7°51	n.a.	T 16
W17	14 40 13	10° 4'37	14°28	5°24	19°25	24°14	5°30	10°33	11°54	18°51	28°55	6°D57	5°44	7°58	n.a.	W17
T 18	14 44 9	11° 1'41	27°43	6°31	20°37	24°47	5°40	10°41	11°57	18°50	28°55	6°57	5°41	8° 5	n.a.	T 18
F 19	14 48 6	11°58'44	10♓39	7°36	21°50	25°20	5°50	10°49	11°59	18°48	28°54	6°R57	5°38	8°11	n.a.	F 19
S 20	14 52 3	12°55'47	23°19	8°38	23° 3	25°54	6° 0	10°57	12° 1	18°47	28°54	6°56	5°34	8°18	n.a.	S 20
S 21	14 55 59	13°52'51	5♈46	9°36	24°16	26°27	6°10	11° 5	12° 4	18°45	28°54	6°53	5°31	8°25	n.a.	S 21
M22	14 59 56	14°49'56	18° 3	10°31	25°29	27° 0	6°20	11°13	12° 6	18°44	28°54	6°47	5°28	8°32	n.a.	M22
T 23	15 3 52	15°47'00	0♉11	11°23	26°42	27°34	6°30	11°20	12° 9	18°42	28°54	6°38	5°25	8°38	n.a.	T 23
W24	15 7 49	16°44'05	12°14	12°12	27°55	28° 8	6°41	11°28	12°11	18°41	28°54	6°27	5°22	8°45	n.a.	W24
T 25	15 11 45	17°41'10	24°11	12°56	29° 8	28°42	6°51	11°36	12°14	18°40	28°53	6°15	5°19	8°52	n.a.	T 25
F 26	15 15 42	18°38'15	6♊ 5	13°38	0♉20	29°16	7° 2	11°44	12°16	18°38	28°53	6° 2	5°15	8°59	n.a.	F 26
S 27	15 19 39	19°35'20	17°56	14°15	1°34	29°50	7°12	11°52	12°19	18°37	28°53	5°49	5°12	9° 5	n.a.	S 27
S 28	15 23 35	20°32'26	29°48	14°48	2°47	0♌24	7°23	12° 0	12°21	18°36	28°53	5°39	5° 9	9°12	n.a.	S 28
M29	15 27 32	21°29'32	11♋41	15°18	4° 0	0°59	7°34	12° 8	12°24	18°34	28°52	5°30	5° 6	9°19	n.a.	M29
T 30	15 31 28	22°26'38	23°40	15°43	5°13	1°34	7°45	12°15	12°27	18°33	28°52	5°25	5° 3	9°25	n.a.	T 30
W31	15 35 25	23♉23'44	5♌49	16♊ 3	6♉26	2♌ 8	7♋56	12♉23	12♋30	18♎32	28♏51	5♍22	4♍59	9♊32	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9n48	19n12	4s39	17n29	2n 4	1s26	1s35	24n42	1n48	24n46	0n55	13n 7	1s33	23n59	0n36	5s46	2n 4	34s51	14s27	8n48	9n16	16n40		n.a.
T 2	10 9	18 57	4 6	18 6	2 7	0 56	1 35	24 37	1 46	24 45	0 55	13 10	1 33	23 58	0 36	5 45	2 4	34 51	14 27	8 49	9 17	16 41		n.a.
W 3	10 30	17 50	3 21	18 41	2 10	0 25	1 34	24 32	1 45	24 45	0 55	13 12	1 33	23 58	0 36	5 45	2 4	34 52	14 27	8 49	9 18	16 43		n.a.
T 4	10 51	15 50	2 26	19 14	2 11	0n 5	1 33	24 27	1 44	24 45	0 55	13 15	1 33	23 58	0 36	5 44	2 4	34 52	14 28	8 49	9 19	16 44		n.a.
F 5	11 12	13 2	1 22	19 44	2 12	0 35	1 32	24 22	1 43	24 44	0 54	13 17	1 33	23 58	0 36	5 44	2 4	34 52	14 28	8 49	9 20	16 45		n.a.
S 6	11 33	9 29	0 12	20 12	2 13	1 5	1 31	24 16	1 41	24 44	0 54	13 20	1 33	23 58	0 35	5 43	2 4	34 52	14 28	8 48	9 22	16 46		n.a.
S 7	11 53	5 19	1n 0	20 38	2 12	1 35	1 30	24 11	1 40	24 44	0 54	13 23	1 33	23 58	0 35	5 42	2 4	34 53	14 29	8 49	9 23	16 47		n.a.
M 8	12 13	0 44	2 12	21 2	2 11	2 5	1 28	24 5	1 39	24 44	0 54	13 25	1 33	23 57	0 35	5 42	2 4	34 53	14 29	8 49	9 24	16 48		n.a.
T 9	12 33	4s 1	3 17	21 24	2 9	2 35	1 27	23 59	1 38	24 43	0 54	13 28	1 33	23 57	0 35	5 41	2 4	34 53	14 30	8 51	9 25	16 49		n.a.
W10	12 53	8 39	4 10	21 43	2 7	3 6	1 26	23 53	1 37	24 43	0 54	13 30	1 33	23 57	0 35	5 41	2 4	34 54	14 30	8 54	9 26	16 50		n.a.
T 11	13 13	12 48	4 47	22 1	2 4	3 36	1 25	23 47	1 35	24 43	0 54	13 33	1 32	23 57	0 35	5 40	2 4	34 54	14 30	8 57	9 28	16 52		n.a.
F 12	13 32	16 7	5 4	22 16	2 0	4 6	1 23	23 41	1 34	24 42	0 54	13 36	1 32	23 57	0 35	5 39	2 4	34 54	14 31	9 0	9 29	16 53		n.a.
S 13	13 52	18 20	5 0	22 30	1 55	4 36	1 22	23 34	1 33	24 42	0 54	13 38	1 32	23 56	0 35	5 39	2 4	34 55	14 31	9 3	9 30	16 54		n.a.
S 14	14 11	19 16	4 36	22 41	1 50	5 5	1 20	23 28	1 32	24 41	0 54	13 41	1 32	23 56	0 35	5 38	2 4	34 55	14 31	9 5	9 31	16 55		n.a.
M15	14 30	18 55	3 55	22 51	1 44	5 35	1 19	23 21	1 31	24 41	0 54	13 43	1 32	23 56	0 35	5 38	2 4	34 55	14 32	9 7	9 32	16 56		n.a.
T 16	14 48	17 25	3 0	22 59	1 38	6 5	1 17	23 14	1 30	24 41	0 54	13 46	1 32	23 56	0 35	5 37	2 4	34 56	14 32	9 7	9 34	16 57		n.a.
W17	15 7	14 56	1 57	23 5	1 31	6 34	1 15	23 7	1 28	24 40	0 54	13 49	1 32	23 56	0 35	5 37	2 4	34 56	14 33	9 7	9 35	16 58		n.a.
T 18	15 25	11 43	0 49	23 10	1 23	7 4	1 14	23 0	1 27	24 40	0 54	13 51	1 32	23 55	0 35	5 36	2 4	34 57	14 33	9 7	9 36	16 59		n.a.
F 19	15 43	8 1	0s20	23 13	1 15	7 33	1 12	22 53	1 26	24 39	0 54	13 54	1 32	23 55	0 35	5 36	2 4	34 57	14 33	9 7	9 37	17 0		n.a.
S 20	16 0	4 1	1 26	23 14	1 6	8 2	1 10	22 45	1 25	24 39	0 54	13 56	1 32	23 55	0 35	5 35	2 4	34 57	14 34	9 8	9 38	17 2		n.a.
S 21	16 18	0n 5	2 27	23 14	0 57	8 31	1 8	22 38	1 24	24 38	0 54	13 59	1 32	23 55	0 35	5 35	2 4	34 58	14 34	9 9	9 40	17 3		n.a.
M22	16 35	4 8	3 20	23 13	0 47	9 0	1 6	22 30	1 23	24 38	0 54	14 1	1 32	23 54	0 35	5 34	2 4	34 58	14 34	9 11	9 41	17 4		n.a.
T 23	16 52	7 58	4 3	23 10	0 36	9 29	1 4	22 22	1 22	24 37	0 54	14 4	1 32	23 54	0 35	5 34	2 4	34 59	14 35	9 14	9 42	17 5		n.a.
W24	17 9	11 26	4 35	23 5	0 25	9 57	1 2	22 14	1 21	24 37	0 54	14 6	1 32	23 54	0 35	5 33	2 4	34 59	14 35	9 19	9 43	17 6		n.a.
T 25	17 25	14 25	4 55	23 0	0 13	10 26	1 0	22 6	1 20	24 36	0 54	14 9	1 31	23 54	0 35	5 33	2 4	34 59	14 35	9 23	9 44	17 7		n.a.
F 26	17 41	16 47	5 1	22 53	0 1	10 54	0 58	21 58	1 18	24 35	0 54	14 11	1 31	23 53	0 35	5 32	2 4	35 0	14 36	9 28	9 45	17 8		n.a.
S 27	17 57	18 26	4 54	22 45	0s12	11 21	0 56	21 49	1 17	24 35	0 54	14 14	1 31	23 53	0 35	5 32	2 4	35 0	14 36	9 33	9 47	17 9		n.a.
S 28	18 13	19 18	4 35	22 36	0 25	11 49	0 54	21 41	1 16	24 34	0 54	14 16	1 31	23 53	0 35	5 31	2 4	35 1	14 36	9 37	9 48	17 10		n.a.
M29	18 28	19 19	4 4	22 25	0 38	12 16	0 52	21 32	1 15	24 33	0 54	14 19	1 31	23 53	0 35	5 31	2 4	35 1	14 37	9 40	9 49	17 11		n.a.
T 30	18 43	18 28	3 22	22 14	0 52	12 43	0 50	21 23	1 14	24 33	0 54	14 21	1 31	23 52	0 35	5 30	2 3	35 1	14 37	9 42	9 50	17 12		n.a.
W31	18n58	16n45	2s30	22n 2	1s 6	13n10	0s48	21n14	1n13	24n32	0n54	14n24	1s31	23n52	0n35	5s30	2n 3	35s 2	14s38	9n43	9n51	17n13		n.a.

Julian Day Number = 1118515.5, Delta T = 10h44m40s
Ecliptic obliquity = 23°53'06, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'38, Lahiri = -26°43'38 Julian Calendar 1 May 1651 BCE == Greg. Calendar 17 Apr. 1651 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

JUNE 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 39 21	24♉20'51	18♌11	16♊19	7♉39	2♌43	8♋ 7	12♉31	12♋32	18°R31	28°R51	5°R21	4♍56	9♊39	n.a.	T 1
F 2	15 43 18	25°17'57	0♍52	16°31	8°52	3°18	8°18	12°39	12°35	18♎29	28♏51	5♍21	4°53	9°46	n.a.	F 2
S 3	15 47 14	26°15'04	13°56	16°38	10° 5	3°53	8°29	12°46	12°38	18°28	28°50	5°20	4°50	9°52	n.a.	S 3
S 4	15 51 11	27°12'11	27°27	16°R40	11°19	4°28	8°40	12°54	12°41	18°27	28°50	5°19	4°47	9°59	n.a.	S 4
M 5	15 55 8	28° 9'19	11♎28	16°37	12°32	5° 4	8°51	13° 2	12°44	18°26	28°49	5°16	4°44	10° 6	n.a.	M 5
T 6	15 59 4	29° 6'27	25°57	16°29	13°45	5°39	9° 3	13°10	12°47	18°25	28°49	5°10	4°40	10°12	n.a.	T 6
W 7	16 3 1	0♊ 3'35	10♏52	16°16	14°58	6°15	9°14	13°17	12°50	18°24	28°48	5° 1	4°37	10°19	n.a.	W 7
T 8	16 6 57	1° 0'44	26° 4	15°59	16°12	6°51	9°26	13°25	12°53	18°22	28°48	4°51	4°34	10°26	n.a.	T 8
F 9	16 10 54	1°57'54	11♐24	15°37	17°25	7°26	9°37	13°32	12°56	18°21	28°47	4°40	4°31	10°33	n.a.	F 9
S 10	16 14 50	2°55'04	26°39	15°11	18°38	8° 2	9°49	13°40	12°59	18°20	28°47	4°30	4°28	10°39	n.a.	S 10
S 11	16 18 47	3°52'16	11♑39	14°40	19°52	8°38	10° 0	13°48	13° 2	18°19	28°46	4°22	4°24	10°46	n.a.	S 11
M12	16 22 44	4°49'28	26°17	14° 6	21° 5	9°15	10°12	13°55	13° 5	18°18	28°45	4°17	4°21	10°53	n.a.	M12
T 13	16 26 40	5°46'42	10♒27	13°29	22°19	9°51	10°24	14° 3	13° 8	18°17	28°45	4°13	4°18	11° 0	n.a.	T 13
W14	16 30 37	6°43'57	24°10	12°49	23°32	10°27	10°36	14°10	13°12	18°16	28°44	4°12	4°15	11° 6	n.a.	W14
T 15	16 34 33	7°41'13	7♓25	12° 7	24°46	11° 4	10°48	14°18	13°15	18°15	28°43	4°12	4°12	11°13	n.a.	T 15
F 16	16 38 30	8°38'30	20°18	11°24	25°59	11°40	10°59	14°25	13°18	18°15	28°43	4°12	4° 9	11°20	n.a.	F 16
S 17	16 42 26	9°35'48	2♈52	10°40	27°13	12°17	11°11	14°33	13°21	18°14	28°42	4°10	4° 5	11°26	n.a.	S 17
S 18	16 46 23	10°33'08	15°11	9°56	28°27	12°54	11°23	14°40	13°25	18°13	28°41	4° 6	4° 2	11°33	n.a.	S 18
M19	16 50 19	11°30'28	27°19	9°14	29°40	13°31	11°36	14°47	13°28	18°12	28°40	4° 0	3°59	11°40	n.a.	M19
T 20	16 54 16	12°27'51	9♉19	8°32	0♊54	14° 8	11°48	14°55	13°31	18°11	28°40	3°51	3°56	11°47	n.a.	T 20
W21	16 58 13	13°25'14	21°15	7°54	2° 8	14°45	12° 0	15° 2	13°35	18°10	28°39	3°39	3°53	11°53	n.a.	W21
T 22	17 2 9	14°22'39	3♊ 8	7°19	3°21	15°23	12°12	15° 9	13°38	18°10	28°38	3°26	3°50	12° 0	n.a.	T 22
F 23	17 6 6	15°20'05	15° 0	6°47	4°35	16° 0	12°24	15°16	13°41	18° 9	28°37	3°12	3°46	12° 7	n.a.	F 23
S 24	17 10 2	16°17'32	26°52	6°21	5°49	16°37	12°37	15°24	13°45	18° 8	28°36	2°59	3°43	12°14	n.a.	S 24
S 25	17 13 59	17°15'00	8♋46	5°59	7° 3	17°15	12°49	15°31	13°48	18° 8	28°35	2°48	3°40	12°20	n.a.	S 25
M26	17 17 55	18°12'30	20°43	5°43	8°17	17°53	13° 1	15°38	13°52	18° 7	28°35	2°39	3°37	12°27	n.a.	M26
T 27	17 21 52	19°10'01	2♌47	5°33	9°31	18°31	13°14	15°45	13°55	18° 7	28°34	2°33	3°34	12°34	n.a.	T 27
W28	17 25 49	20° 7'32	14°59	5°D30	10°45	19° 9	13°26	15°52	13°59	18° 6	28°33	2°29	3°30	12°40	n.a.	W28
T 29	17 29 45	21° 5'05	27°23	5°33	11°59	19°47	13°39	15°59	14° 2	18° 5	28°32	2°D28	3°27	12°47	n.a.	T 29
F 30	17 33 42	22♊ 2'39	10♍ 4	5♊43	13♊13	20♌25	13♋51	16♉ 6	14♋ 6	18♎ 5	28♏31	2♍28	3♍24	12♊54	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n12	14n15	1s30	21n50	1s21	13n36	0s45	21n 5	1n12	24n31	0n54	14n26	1s31	23n52	0n35	5s29	2n 3	35s 2	14s38	9n43	9n53	17n14		n.a.
F 2	19 27	11 0	0 24	21 36	1 36	14 2	0 43	20 56	1 11	24 31	0 54	14 29	1 31	23 51	0 35	5 29	2 3	35 3	14 38	9 44	9 54	17 15		n.a.
S 3	19 40	7 8	0n45	21 22	1 50	14 28	0 41	20 46	1 10	24 30	0 54	14 31	1 31	23 51	0 35	5 28	2 3	35 3	14 39	9 44	9 55	17 17		n.a.
S 4	19 54	2 46	1 54	21 7	2 5	14 54	0 38	20 37	1 9	24 29	0 54	14 33	1 31	23 51	0 35	5 28	2 3	35 4	14 39	9 44	9 56	17 18		n.a.
M 5	20 7	1s53	2 58	20 52	2 20	15 19	0 36	20 27	1 8	24 28	0 54	14 36	1 31	23 51	0 35	5 28	2 3	35 4	14 39	9 45	9 57	17 19		n.a.
T 6	20 20	6 35	3 54	20 37	2 35	15 43	0 34	20 17	1 7	24 28	0 54	14 38	1 31	23 50	0 35	5 27	2 3	35 4	14 40	9 48	9 58	17 20		n.a.
W 7	20 32	11 1	4 34	20 21	2 49	16 8	0 31	20 7	1 6	24 27	0 54	14 40	1 31	23 50	0 35	5 27	2 3	35 5	14 40	9 51	10 0	17 21		n.a.
T 8	20 45	14 49	4 57	20 5	3 3	16 32	0 29	19 57	1 5	24 26	0 54	14 43	1 31	23 50	0 35	5 26	2 3	35 5	14 40	9 54	10 1	17 22		n.a.
F 9	20 56	17 38	4 58	19 50	3 17	16 55	0 27	19 47	1 4	24 25	0 54	14 45	1 31	23 49	0 35	5 26	2 3	35 6	14 41	9 58	10 2	17 23		n.a.
S 10	21 8	19 12	4 39	19 34	3 30	17 18	0 24	19 36	1 3	24 24	0 54	14 47	1 31	23 49	0 35	5 26	2 3	35 6	14 41	10 2	10 3	17 24		n.a.
S 11	21 19	19 23	4 0	19 19	3 42	17 41	0 22	19 26	1 2	24 23	0 54	14 50	1 31	23 49	0 35	5 25	2 3	35 7	14 41	10 5	10 4	17 25		n.a.
M12	21 30	18 15	3 6	19 4	3 53	18 3	0 19	19 15	1 1	24 23	0 54	14 52	1 31	23 48	0 35	5 25	2 3	35 7	14 41	10 7	10 6	17 26		n.a.
T 13	21 40	15 59	2 2	18 49	4 3	18 25	0 17	19 4	1 0	24 22	0 54	14 54	1 31	23 48	0 35	5 25	2 3	35 8	14 42	10 9	10 7	17 27		n.a.
W14	21 50	12 53	0 53	18 35	4 12	18 46	0 15	18 53	0 59	24 21	0 54	14 57	1 31	23 48	0 35	5 24	2 3	35 8	14 42	10 9	10 8	17 28		n.a.
T 15	22 0	9 12	0s17	18 23	4 20	19 7	0 12	18 42	0 57	24 20	0 54	14 59	1 31	23 47	0 35	5 24	2 3	35 8	14 42	10 9	10 9	17 29		n.a.
F 16	22 9	5 12	1 24	18 11	4 25	19 27	0 10	18 30	0 56	24 19	0 54	15 1	1 31	23 47	0 35	5 24	2 3	35 9	14 43	10 9	10 10	17 30		n.a.
S 17	22 18	1 3	2 25	18 1	4 30	19 47	0 7	18 19	0 55	24 18	0 54	15 3	1 31	23 47	0 35	5 24	2 3	35 9	14 43	10 10	10 11	17 31		n.a.
S 18	22 27	3n 3	3 18	17 52	4 32	20 6	0 5	18 7	0 54	24 17	0 54	15 6	1 31	23 46	0 35	5 23	2 3	35 10	14 43	10 11	10 13	17 32		n.a.
M19	22 35	6 57	4 2	17 45	4 33	20 25	0 2	17 56	0 53	24 16	0 54	15 8	1 31	23 46	0 35	5 23	2 2	35 10	14 44	10 13	10 14	17 33		n.a.
T 20	22 43	10 33	4 34	17 39	4 32	20 43	0n 0	17 44	0 52	24 14	0 54	15 10	1 31	23 46	0 35	5 23	2 2	35 11	14 44	10 17	10 15	17 34		n.a.
W21	22 50	13 42	4 53	17 36	4 30	21 1	0 3	17 32	0 52	24 13	0 54	15 12	1 31	23 45	0 35	5 23	2 2	35 11	14 44	10 21	10 16	17 35		n.a.
T 22	22 57	16 16	5 0	17 34	4 26	21 18	0 5	17 20	0 51	24 12	0 54	15 14	1 31	23 45	0 35	5 22	2 2	35 12	14 44	10 26	10 17	17 36		n.a.
F 23	23 4	18 9	4 54	17 35	4 20	21 34	0 7	17 7	0 50	24 11	0 54	15 16	1 31	23 44	0 35	5 22	2 2	35 12	14 45	10 31	10 18	17 37		n.a.
S 24	23 10	19 16	4 35	17 37	4 13	21 50	0 10	16 55	0 49	24 10	0 54	15 19	1 31	23 44	0 35	5 22	2 2	35 13	14 45	10 36	10 20	17 38		n.a.
S 25	23 16	19 32	4 4	17 42	4 4	22 6	0 12	16 42	0 48	24 9	0 54	15 21	1 31	23 44	0 35	5 22	2 2	35 13	14 45	10 40	10 21	17 39		n.a.
M26	23 21	18 56	3 22	17 49	3 54	22 20	0 15	16 30	0 47	24 8	0 54	15 23	1 31	23 43	0 35	5 22	2 2	35 13	14 45	10 43	10 22	17 40		n.a.
T 27	23 26	17 28	2 31	17 59	3 43	22 34	0 17	16 17	0 46	24 6	0 54	15 25	1 31	23 43	0 35	5 21	2 2	35 14	14 46	10 46	10 23	17 41		n.a.
W28	23 31	15 11	1 31	18 10	3 30	22 47	0 19	16 4	0 45	24 5	0 54	15 27	1 31	23 43	0 35	5 21	2 2	35 14	14 46	10 47	10 24	17 42		n.a.
T 29	23 35	12 11	0 27	18 24	3 17	23 0	0 22	15 51	0 44	24 4	0 54	15 29	1 31	23 42	0 35	5 21	2 2	35 15	14 46	10 47	10 26	17 43		n.a.
F 30	23n38	8n33	0n40	18n39	3s 3	23n12	0n24	15n38	0n43	24n 2	0n54	15n31	1s31	23n42	0n35	5s21	2n 2	35s15	14s46	10n47	10n27	17n44		n.a.

Julian Day Number = 1118546.5, Delta T = 10h44m38s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'34, Lahiri = -26°43'33 Julian Calendar 1 June 1651 BCE == Greg. Calendar 18 May 1651 BCE

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

JULY 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 37 38	23♊ 0'14	23♍ 5	6♊ 1	14♊27	21♌ 3	14♋ 4	16♉13	14♋10	18°R 5	28°R30	2°R28	3♍21	13♊ 1	n.a.	S 1
S 2	17 41 35	23°57'50	6♎30	6°25	15°41	21°41	14°17	16°19	14°13	18♎ 4	28♑29	2♍27	3°18	13° 7	n.a.	S 2
M 3	17 45 31	24°55'28	20°22	6°56	16°55	22°20	14°29	16°26	14°17	18° 4	28°28	2°25	3°15	13°14	n.a.	M 3
T 4	17 49 28	25°53'06	4♏42	7°34	18° 9	22°58	14°42	16°33	14°20	18° 3	28°27	2°20	3°11	13°21	n.a.	T 4
W 5	17 53 24	26°50'46	19°27	8°19	19°23	23°37	14°55	16°40	14°24	18° 3	28°26	2°13	3° 8	13°27	n.a.	W 5
T 6	17 57 21	27°48'27	4♐32	9°11	20°37	24°16	15° 7	16°46	14°28	18° 3	28°25	2° 5	3° 5	13°34	n.a.	T 6
F 7	18 1 18	28°46'10	19°48	10° 9	21°51	24°54	15°20	16°53	14°31	18° 2	28°24	1°56	3° 2	13°41	n.a.	F 7
S 8	18 5 14	29°43'54	5♑ 4	11°14	23° 5	25°33	15°33	16°59	14°35	18° 2	28°23	1°47	2°59	13°48	n.a.	S 8
S 9	18 9 11	0♋41'40	20° 8	12°25	24°20	26°12	15°46	17° 6	14°39	18° 2	28°22	1°40	2°56	13°54	n.a.	S 9
M10	18 13 7	1°39'28	4♒53	13°42	25°34	26°51	15°59	17°12	14°42	18° 2	28°21	1°35	2°52	14° 1	n.a.	M10
T 11	18 17 4	2°37'17	19°12	15° 4	26°48	27°31	16°12	17°18	14°46	18° 2	28°20	1°32	2°49	14° 8	n.a.	T 11
W12	18 21 0	3°35'08	3♓ 2	16°32	28° 3	28°10	16°24	17°25	14°50	18° 1	28°18	1°D31	2°46	14°15	n.a.	W12
T 13	18 24 57	4°33'01	16°23	18° 4	29°17	28°49	16°37	17°31	14°54	18° 1	28°17	1°32	2°43	14°21	n.a.	T 13
F 14	18 28 53	5°30'57	29°20	19°41	0♋31	29°29	16°50	17°37	14°57	18° 1	28°16	1°33	2°40	14°28	n.a.	F 14
S 15	18 32 50	6°28'54	11♈54	21°22	1°46	0♍ 8	17° 3	17°43	15° 1	18°D 1	28°15	1°R33	2°36	14°35	n.a.	S 15
S 16	18 36 47	7°26'53	24°12	23° 6	3° 0	0°48	17°16	17°49	15° 5	18° 1	28°14	1°31	2°33	14°41	n.a.	S 16
M17	18 40 43	8°24'54	6♉17	24°53	4°15	1°28	17°29	17°55	15° 9	18° 1	28°13	1°28	2°30	14°48	n.a.	M17
T 18	18 44 40	9°22'58	18°14	26°43	5°29	2° 8	17°42	18° 1	15°12	18° 1	28°12	1°22	2°27	14°55	n.a.	T 18
W19	18 48 36	10°21'03	0♊ 7	28°35	6°44	2°47	17°55	18° 7	15°16	18° 1	28°10	1°14	2°24	15° 2	n.a.	W19
T 20	18 52 33	11°19'10	11°59	0♋28	7°58	3°27	18° 8	18°13	15°20	18° 2	28° 9	1° 5	2°21	15° 8	n.a.	T 20
F 21	18 56 29	12°17'20	23°51	2°23	9°13	4° 8	18°21	18°19	15°24	18° 2	28° 8	0°55	2°17	15°15	n.a.	F 21
S 22	19 0 26	13°15'31	5♋47	4°19	10°27	4°48	18°34	18°24	15°28	18° 2	28° 7	0°46	2°14	15°22	n.a.	S 22
S 23	19 4 22	14°13'45	17°47	6°16	11°42	5°28	18°47	18°30	15°31	18° 2	28° 6	0°38	2°11	15°28	n.a.	S 23
M24	19 8 19	15°12'00	29°53	8°13	12°57	6° 9	19° 0	18°35	15°35	18° 3	28° 5	0°32	2° 8	15°35	n.a.	M24
T 25	19 12 15	16°10'17	12♌ 7	10°10	14°11	6°49	19°14	18°41	15°39	18° 3	28° 3	0°29	2° 5	15°42	n.a.	T 25
W26	19 16 12	17° 8'36	24°30	12° 7	15°26	7°30	19°27	18°46	15°43	18° 3	28° 2	0°D27	2° 2	15°49	n.a.	W26
T 27	19 20 9	18° 6'57	7♍ 5	14° 3	16°41	8°10	19°40	18°51	15°46	18° 4	28° 1	0°27	1°58	15°55	n.a.	T 27
F 28	19 24 5	19° 5'19	19°53	15°59	17°55	8°51	19°53	18°57	15°50	18° 4	28° 0	0°28	1°55	16° 2	n.a.	F 28
S 29	19 28 2	20° 3'44	2♎58	17°54	19°10	9°32	20° 6	19° 2	15°54	18° 4	27°58	0°29	1°52	16° 9	n.a.	S 29
S 30	19 31 58	21° 2'10	16°23	19°49	20°25	10°13	20°19	19° 7	15°58	18° 5	27°57	0°R30	1°49	16°16	n.a.	S 30
M31	19 35 55	22♋ 0'37	0♏ 8	21♋43	21♋40	10♍54	20♋32	19♉12	16♋ 2	18♎ 5	27♑56	0♍30	1♍46	16♊22	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23n42	4n26	1n47	18n56	2s49	23n24	0n26	15n24	0n42	24n 1	0n54	15n33	1s31	23n41	0n35	5s21	2n 2	35s16	14s47	10n47	10n28	17n45		n.a.	S 1
S 2	23 45	0s 1	2 51	19 15	2 34	23 34	0 28	15 11	0 41	24 0	0 54	15 35	1 31	23 41	0 35	5 21	2 2	35 16	14 47	10 47	10 29	17 46		n.a.	S 2
M 3	23 47	4 37	3 46	19 36	2 19	23 44	0 31	14 57	0 40	23 58	0 54	15 37	1 31	23 41	0 35	5 21	2 2	35 17	14 47	10 48	10 30	17 47		n.a.	M 3
T 4	23 49	9 6	4 29	19 57	2 3	23 53	0 33	14 44	0 39	23 57	0 54	15 39	1 31	23 40	0 35	5 21	2 1	35 17	14 47	10 50	10 31	17 48		n.a.	T 4
W 5	23 51	13 10	4 56	20 20	1 47	24 2	0 35	14 30	0 38	23 56	0 54	15 40	1 31	23 40	0 35	5 20	2 1	35 17	14 48	10 53	10 33	17 49		n.a.	W 5
T 6	23 52	16 29	5 3	20 44	1 32	24 10	0 37	14 16	0 37	23 54	0 54	15 42	1 31	23 39	0 35	5 20	2 1	35 18	14 48	10 56	10 34	17 50		n.a.	T 6
F 7	23 53	18 41	4 49	21 8	1 16	24 17	0 39	14 2	0 36	23 53	0 54	15 44	1 31	23 39	0 35	5 20	2 1	35 18	14 48	10 59	10 35	17 51		n.a.	F 7
S 8	23 53	19 33	4 14	21 32	1 1	24 23	0 41	13 47	0 35	23 51	0 54	15 46	1 31	23 39	0 35	5 20	2 1	35 19	14 48	11 2	10 36	17 52		n.a.	S 8
S 9	23 53	19 1	3 22	21 57	0 46	24 29	0 43	13 33	0 34	23 50	0 54	15 48	1 31	23 38	0 35	5 20	2 1	35 19	14 48	11 5	10 37	17 53		n.a.	S 9
M10	23 52	17 11	2 17	22 21	0 31	24 34	0 45	13 19	0 33	23 48	0 54	15 50	1 31	23 38	0 35	5 20	2 1	35 20	14 49	11 7	10 38	17 54		n.a.	M10
T 11	23 51	14 18	1 5	22 45	0 17	24 38	0 47	13 4	0 32	23 47	0 54	15 51	1 31	23 37	0 35	5 20	2 1	35 20	14 49	11 8	10 40	17 55		n.a.	T 11
W12	23 50	10 42	0s 8	23 8	0 3	24 42	0 49	12 49	0 32	23 45	0 54	15 53	1 31	23 37	0 35	5 20	2 1	35 20	14 49	11 8	10 41	17 56		n.a.	W12
T 13	23 48	6 40	1 19	23 30	0n10	24 44	0 51	12 35	0 31	23 44	0 54	15 55	1 31	23 37	0 35	5 20	2 1	35 21	14 49	11 8	10 42	17 57		n.a.	T 13
F 14	23 46	2 27	2 23	23 50	0 22	24 46	0 53	12 20	0 30	23 42	0 54	15 57	1 31	23 36	0 35	5 20	2 1	35 21	14 49	11 7	10 43	17 57		n.a.	F 14
S 15	23 43	1n45	3 19	24 9	0 33	24 47	0 55	12 5	0 29	23 40	0 54	15 58	1 31	23 36	0 35	5 20	2 1	35 22	14 50	11 7	10 44	17 58		n.a.	S 15
S 16	23 40	5 47	4 4	24 26	0 44	24 48	0 57	11 50	0 28	23 39	0 54	16 0	1 31	23 35	0 35	5 21	2 1	35 22	14 50	11 8	10 45	17 59		n.a.	S 16
M17	23 37	9 30	4 38	24 41	0 54	24 47	0 58	11 34	0 27	23 37	0 55	16 2	1 31	23 35	0 35	5 21	2 1	35 23	14 50	11 9	10 46	18 0		n.a.	M17
T 18	23 33	12 48	4 58	24 54	1 3	24 46	1 0	11 19	0 26	23 35	0 55	16 3	1 31	23 34	0 35	5 21	2 1	35 23	14 50	11 11	10 48	18 1		n.a.	T 18
W19	23 28	15 34	5 6	25 4	1 11	24 44	1 2	11 4	0 25	23 34	0 55	16 5	1 32	23 34	0 35	5 21	2 0	35 23	14 50	11 14	10 49	18 2		n.a.	W19
T 20	23 23	17 41	5 1	25 12	1 19	24 42	1 3	10 48	0 24	23 32	0 55	16 7	1 32	23 34	0 35	5 21	2 0	35 24	14 50	11 17	10 50	18 3		n.a.	T 20
F 21	23 18	19 2	4 43	25 17	1 25	24 38	1 5	10 32	0 23	23 30	0 55	16 8	1 32	23 33	0 35	5 21	2 0	35 24	14 50	11 21	10 51	18 4		n.a.	F 21
S 22	23 13	19 34	4 12	25 20	1 31	24 34	1 6	10 17	0 22	23 28	0 55	16 10	1 32	23 33	0 35	5 21	2 0	35 25	14 50	11 24	10 52	18 5		n.a.	S 22
S 23	23 6	19 13	3 30	25 19	1 36	24 29	1 8	10 1	0 22	23 27	0 55	16 11	1 32	23 32	0 35	5 21	2 0	35 25	14 51	11 27	10 53	18 6		n.a.	S 23
M24	23 0	17 59	2 38	25 17	1 40	24 23	1 9	9 45	0 21	23 25	0 55	16 13	1 32	23 32	0 35	5 22	2 0	35 25	14 51	11 29	10 55	18 7		n.a.	M24
T 25	22 53	15 55	1 38	25 12	1 43	24 17	1 10	9 29	0 20	23 23	0 55	16 14	1 32	23 31	0 35	5 22	2 0	35 26	14 51	11 31	10 56	18 8		n.a.	T 25
W26	22 46	13 6	0 32	25 4	1 45	24 10	1 12	9 12	0 19	23 21	0 55	16 15	1 32	23 31	0 35	5 22	2 0	35 26	14 51	11 31	10 57	18 9		n.a.	W26
T 27	22 38	9 38	0n36	24 54	1 47	24 2	1 13	8 56	0 18	23 19	0 55	16 17	1 32	23 30	0 35	5 22	2 0	35 26	14 51	11 31	10 58	18 10		n.a.	T 27
F 28	22 30	5 40	1 44	24 42	1 48	23 53	1 14	8 40	0 17	23 18	0 55	16 18	1 32	23 30	0 35	5 22	2 0	35 27	14 51	11 31	10 59	18 10		n.a.	F 28
S 29	22 21	1 21	2 47	24 27	1 48	23 43	1 15	8 23	0 16	23 16	0 55	16 20	1 32	23 30	0 35	5 23	2 0	35 27	14 51	11 30	11 0	18 11		n.a.	S 29
S 30	22 12	3s 7	3 44	24 10	1 48	23 33	1 16	8 7	0 15	23 14	0 55	16 21	1 32	23 29	0 35	5 23	2 0	35 28	14 51	11 30	11 2	18 12		n.a.	S 30
M31	22n 3	7s33	4n29	23n52	1n47	23n22	1n17	7n50	0n15	23n12	0n55	16n22	1s32	23n29	0n35	5s23	2n 0	35s28	14s51	11n30	11n 3	18n13		n.a.	M31

Julian Day Number = 1118576.5, Delta T = 10h44m36s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'30, Lahiri = -26°43'29 Julian Calendar 1 July 1651 BCE == Greg. Calendar 17 June 1651 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

AUGUST 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 39 51	22♋59'07	14♏16	23♋36	22♋54	11♍35	20♋45	19♉17	16♋ 5	18♎ 6	27°R55	0°R28	1♍42	16♊29	n.a.	T 1
W 2	19 43 48	23°57'38	28°45	25°27	24° 9	12°16	20°58	19°22	16° 9	18° 6	27♐54	0♍25	1°39	16°36	n.a.	W 2
T 3	19 47 44	24°56'11	13♐31	27°18	25°24	12°57	21°11	19°26	16°13	18° 7	27°52	0°21	1°36	16°42	n.a.	T 3
F 4	19 51 41	25°54'47	28°28	29° 8	26°39	13°39	21°24	19°31	16°17	18° 8	27°51	0°16	1°33	16°49	n.a.	F 4
S 5	19 55 38	26°53'24	13♐28	0♑57	27°54	14°20	21°37	19°35	16°20	18° 8	27°50	0°11	1°30	16°56	n.a.	S 5
S 6	19 59 34	27°52'03	28°21	2°45	29° 9	15° 1	21°51	19°40	16°24	18° 9	27°49	0° 7	1°27	17° 3	n.a.	S 6
M 7	20 3 31	28°50'44	13♒ 0	4°32	0♑23	15°43	22° 4	19°44	16°28	18°10	27°47	0° 4	1°23	17° 9	n.a.	M 7
T 8	20 7 27	29°49'27	27°18	6°18	1°38	16°25	22°17	19°49	16°32	18°10	27°46	0°D 3	1°20	17°16	n.a.	T 8
W 9	20 11 24	0♑48'13	11♓11	8° 2	2°53	17° 6	22°30	19°53	16°35	18°11	27°45	0° 4	1°17	17°23	n.a.	W 9
T 10	20 15 20	1°47'01	24°38	9°46	4° 8	17°48	22°43	19°57	16°39	18°12	27°44	0° 5	1°14	17°29	n.a.	T 10
F 11	20 19 17	2°45'51	7♈39	11°29	5°23	18°30	22°56	20° 1	16°43	18°13	27°42	0° 7	1°11	17°36	n.a.	F 11
S 12	20 23 13	3°44'44	20°19	13°11	6°38	19°12	23° 9	20° 5	16°46	18°14	27°41	0° 8	1° 8	17°43	n.a.	S 12
S 13	20 27 10	4°43'39	2♉39	14°51	7°53	19°54	23°22	20° 9	16°50	18°15	27°40	0°R 9	1° 4	17°50	n.a.	S 13
M14	20 31 6	5°42'37	14°46	16°31	9° 8	20°36	23°35	20°13	16°54	18°16	27°39	0° 8	1° 1	17°56	n.a.	M14
T 15	20 35 3	6°41'37	26°43	18°10	10°23	21°18	23°47	20°16	16°57	18°17	27°37	0° 7	0°58	18° 3	n.a.	T 15
W16	20 39 0	7°40'39	8♊36	19°48	11°38	22° 1	24° 0	20°20	17° 1	18°18	27°36	0° 5	0°55	18°10	n.a.	W16
T 17	20 42 56	8°39'44	20°28	21°25	12°53	22°43	24°13	20°23	17° 4	18°19	27°35	0° 1	0°52	18°16	n.a.	T 17
F 18	20 46 53	9°38'52	2♋22	23° 1	14° 8	23°26	24°26	20°27	17° 8	18°20	27°34	29♑58	0°48	18°23	n.a.	F 18
S 19	20 50 49	10°38'02	14°23	24°36	15°23	24° 8	24°39	20°30	17°12	18°21	27°33	29°55	0°45	18°30	n.a.	S 19
S 20	20 54 46	11°37'14	26°31	26°11	16°39	24°51	24°52	20°33	17°15	18°22	27°31	29°52	0°42	18°37	n.a.	S 20
M21	20 58 42	12°36'28	8♑49	27°44	17°54	25°33	25° 5	20°36	17°19	18°23	27°30	29°50	0°39	18°43	n.a.	M21
T 22	21 2 39	13°35'45	21°18	29°17	19° 9	26°16	25°17	20°39	17°22	18°24	27°29	29°49	0°36	18°50	n.a.	T 22
W23	21 6 35	14°35'03	3♍59	0♍49	20°24	26°59	25°30	20°42	17°26	18°26	27°28	29°D49	0°33	18°57	n.a.	W23
T 24	21 10 32	15°34'24	16°53	2°20	21°39	27°42	25°43	20°45	17°29	18°27	27°27	29°49	0°29	19° 4	n.a.	T 24
F 25	21 14 28	16°33'47	29°59	3°50	22°54	28°25	25°55	20°48	17°33	18°28	27°25	29°50	0°26	19°10	n.a.	F 25
S 26	21 18 25	17°33'12	13♎19	5°19	24° 9	29° 8	26° 8	20°50	17°36	18°29	27°24	29°52	0°23	19°17	n.a.	S 26
S 27	21 22 22	18°32'39	26°54	6°48	25°24	29°51	26°21	20°53	17°39	18°31	27°23	29°52	0°20	19°24	n.a.	S 27
M28	21 26 18	19°32'07	10♏42	8°16	26°40	0♎34	26°33	20°55	17°43	18°32	27°22	29°53	0°17	19°30	n.a.	M28
T 29	21 30 15	20°31'38	24°44	9°42	27°55	1°18	26°46	20°57	17°46	18°33	27°21	29°R53	0°13	19°37	n.a.	T 29
W30	21 34 11	21°31'11	8♐58	11° 8	29°10	2° 1	26°58	20°59	17°49	18°35	27°20	29°53	0°10	19°44	n.a.	W30
T 31	21 38 8	22♑30'45	23♐23	12♍33	0♍25	2♎44	27♋11	21♉ 1	17♋53	18♎36	27♐19	29♑52	0♍ 7	19♊51	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21n53	11s40	4n59	23n31	1n46	23n11	1n18	7n34	0n14	23n10	0n56	16n24	1s32	23n28	0n35	5s23	2n 0	35s28	14s51	11n31	11n 4	18n14			n.a.
W 2	21 43	15 12	5 11	23 9	1 44	22 59	1 19	7 17	0 13	23 8	0 56	16 25	1 32	23 28	0 35	5 24	1 59	35 29	14 51	11 32	11 5	18 15			n.a.
T 3	21 32	17 50	5 3	22 45	1 42	22 46	1 20	7 0	0 12	23 6	0 56	16 26	1 32	23 27	0 35	5 24	1 59	35 29	14 51	11 33	11 6	18 16			n.a.
F 4	21 21	19 18	4 35	22 20	1 39	22 32	1 20	6 43	0 11	23 4	0 56	16 27	1 32	23 27	0 35	5 24	1 59	35 29	14 52	11 35	11 7	18 17			n.a.
S 5	21 10	19 25	3 47	21 53	1 36	22 18	1 21	6 26	0 10	23 2	0 56	16 28	1 33	23 26	0 35	5 25	1 59	35 29	14 52	11 37	11 8	18 18			n.a.
S 6	20 58	18 11	2 45	21 25	1 32	22 3	1 22	6 9	0 9	23 0	0 56	16 30	1 33	23 26	0 35	5 25	1 59	35 30	14 52	11 38	11 10	18 18			n.a.
M 7	20 46	15 45	1 32	20 55	1 29	21 47	1 22	5 52	0 9	22 58	0 56	16 31	1 33	23 25	0 35	5 25	1 59	35 30	14 52	11 39	11 11	18 19			n.a.
T 8	20 34	12 24	0 15	20 24	1 24	21 31	1 23	5 35	0 8	22 56	0 56	16 32	1 33	23 25	0 35	5 26	1 59	35 30	14 52	11 40	11 12	18 20			n.a.
W 9	20 21	8 26	1s 1	19 53	1 20	21 14	1 23	5 17	0 7	22 54	0 56	16 33	1 33	23 25	0 35	5 26	1 59	35 31	14 52	11 39	11 13	18 21			n.a.
T 10	20 8	4 10	2 11	19 20	1 15	20 56	1 24	5 0	0 6	22 51	0 56	16 34	1 33	23 24	0 35	5 26	1 59	35 31	14 52	11 39	11 14	18 22			n.a.
F 11	19 54	0n10	3 12	18 46	1 10	20 38	1 24	4 43	0 5	22 49	0 56	16 35	1 33	23 24	0 35	5 27	1 59	35 31	14 52	11 38	11 15	18 23			n.a.
S 12	19 40	4 21	4 2	18 12	1 4	20 19	1 24	4 25	0 4	22 47	0 57	16 36	1 33	23 23	0 35	5 27	1 59	35 32	14 52	11 38	11 17	18 24			n.a.
S 13	19 26	8 15	4 39	17 37	0 59	20 0	1 24	4 7	0 3	22 45	0 57	16 37	1 33	23 23	0 35	5 28	1 59	35 32	14 52	11 38	11 18	18 24			n.a.
M14	19 12	11 44	5 3	17 1	0 53	19 40	1 24	3 50	0 3	22 43	0 57	16 38	1 33	23 22	0 35	5 28	1 59	35 32	14 52	11 38	11 19	18 25			n.a.
T 15	18 57	14 42	5 14	16 25	0 47	19 19	1 24	3 32	0 2	22 41	0 57	16 39	1 33	23 22	0 35	5 28	1 59	35 32	14 52	11 38	11 20	18 26			n.a.
W16	18 41	17 2	5 11	15 47	0 41	18 58	1 24	3 14	0 1	22 38	0 57	16 40	1 33	23 21	0 35	5 29	1 58	35 33	14 52	11 39	11 21	18 27			n.a.
T 17	18 26	18 38	4 55	15 10	0 34	18 36	1 24	2 57	0 0	22 36	0 57	16 41	1 34	23 21	0 35	5 29	1 58	35 33	14 52	11 40	11 22	18 28			n.a.
F 18	18 10	19 26	4 26	14 32	0 28	18 14	1 24	2 39	0s 1	22 34	0 57	16 41	1 34	23 21	0 35	5 30	1 58	35 33	14 51	11 42	11 23	18 29			n.a.
S 19	17 54	19 22	3 45	13 54	0 21	17 51	1 24	2 21	0 1	22 32	0 57	16 42	1 34	23 20	0 35	5 30	1 58	35 33	14 51	11 43	11 25	18 30			n.a.
S 20	17 37	18 24	2 54	13 15	0 14	17 28	1 24	2 3	0 2	22 30	0 57	16 43	1 34	23 20	0 35	5 31	1 58	35 33	14 51	11 44	11 26	18 30			n.a.
M21	17 20	16 34	1 53	12 36	0 7	17 4	1 23	1 45	0 3	22 27	0 57	16 44	1 34	23 19	0 35	5 31	1 58	35 34	14 51	11 44	11 27	18 31			n.a.
T 22	17 3	13 55	0 47	11 57	0 0	16 40	1 23	1 27	0 4	22 25	0 58	16 44	1 34	23 19	0 35	5 32	1 58	35 34	14 51	11 45	11 28	18 32			n.a.
W23	16 46	10 35	0n23	11 17	0s 7	16 15	1 22	1 9	0 5	22 23	0 58	16 45	1 34	23 18	0 35	5 32	1 58	35 34	14 51	11 45	11 29	18 33			n.a.
T 24	16 28	6 42	1 33	10 37	0 14	15 50	1 22	0 51	0 5	22 21	0 58	16 46	1 34	23 18	0 35	5 33	1 58	35 34	14 51	11 45	11 30	18 34			n.a.
F 25	16 10	2 26	2 39	9 58	0 21	15 25	1 21	0 33	0 6	22 18	0 58	16 46	1 34	23 17	0 35	5 33	1 58	35 34	14 51	11 44	11 31	18 35			n.a.
S 26	15 52	2s 1	3 38	9 18	0 28	14 59	1 21	0 15	0 7	22 16	0 58	16 47	1 34	23 17	0 35	5 34	1 58	35 35	14 51	11 44	11 33	18 35			n.a.
S 27	15 33	6 26	4 26	8 38	0 35	14 32	1 20	0s 4	0 8	22 14	0 58	16 47	1 34	23 17	0 35	5 35	1 58	35 35	14 51	11 44	11 34	18 36			n.a.
M28	15 14	10 34	4 59	7 58	0 43	14 6	1 19	0 22	0 9	22 11	0 58	16 48	1 35	23 16	0 35	5 35	1 58	35 35	14 51	11 43	11 35	18 37			n.a.
T 29	14 55	14 12	5 16	7 18	0 50	13 39	1 18	0 40	0 9	22 9	0 58	16 49	1 35	23 16	0 35	5 36	1 58	35 35	14 51	11 43	11 36	18 38			n.a.
W30	14 36	17 3	5 13	6 38	0 57	13 11	1 17	0 58	0 10	22 7	0 59	16 49	1 35	23 15	0 35	5 36	1 58	35 35	14 50	11 43	11 37	18 39			n.a.
T 31	14n16	18s53	4n51	5n59	1s 4	12n43	1n16	1s17	0s11	22n 4	0n59	16n49	1s35	23n15	0n35	5s37	1n58	35s35	14s50	11n44	11n38	18n39			n.a.

Julian Day Number = 1118607.5, Delta T = 10h44m34s
Ecliptic obliquity = 23°53'05, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'26, Lahiri = -26°43'25 Julian Calendar 1 Aug. 1651 BCE == Greg. Calendar 18 July 1651 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

SEPTEMBER 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 42 4	23♌30'22	7♉54	13♍57	1♍40	3♎28	27♋23	21♉ 3	17♋56	18♎38	27°R17	29°R51	0♍ 4	19♊57	n.a.	F 1
S 2	21 46 1	24°30'00	22°27	15°21	2°55	4°11	27°36	21° 5	17°59	18°39	27♉16	29♌51	0° 1	20° 4	n.a.	S 2
S 3	21 49 57	25°29'40	6♒56	16°43	4°11	4°55	27°48	21° 7	18° 2	18°41	27°15	29°50	29♌58	20°11	n.a.	S 3
M 4	21 53 54	26°29'23	21°15	18° 4	5°26	5°39	28° 0	21° 9	18° 6	18°42	27°14	29°50	29°54	20°17	n.a.	M 4
T 5	21 57 50	27°29'07	5♓19	19°24	6°41	6°23	28°12	21°10	18° 9	18°44	27°13	29°D50	29°51	20°24	n.a.	T 5
W 6	22 1 47	28°28'54	19° 4	20°43	7°56	7° 6	28°24	21°11	18°12	18°45	27°12	29°50	29°48	20°31	n.a.	W 6
T 7	22 5 44	29°28'43	2♈29	22° 0	9°11	7°50	28°37	21°13	18°15	18°47	27°11	29°R50	29°45	20°38	n.a.	T 7
F 8	22 9 40	0♍28'34	15°31	23°16	10°26	8°34	28°49	21°14	18°18	18°49	27°10	29°50	29°42	20°44	n.a.	F 8
S 9	22 13 37	1°28'27	28°13	24°31	11°42	9°18	29° 1	21°15	18°21	18°50	27° 9	29°50	29°39	20°51	n.a.	S 9
S 10	22 17 33	2°28'23	10♉37	25°44	12°57	10° 2	29°13	21°16	18°24	18°52	27° 8	29°50	29°35	20°58	n.a.	S 10
M11	22 21 30	3°28'21	22°46	26°56	14°12	10°47	29°25	21°17	18°27	18°54	27° 7	29°50	29°32	21° 4	n.a.	M11
T 12	22 25 26	4°28'22	4♊45	28° 6	15°27	11°31	29°36	21°17	18°30	18°55	27° 6	29°D50	29°29	21°11	n.a.	T 12
W13	22 29 23	5°28'25	16°38	29°14	16°42	12°15	29°48	21°18	18°33	18°57	27° 5	29°50	29°26	21°18	n.a.	W13
T 14	22 33 19	6°28'30	28°30	0♎19	17°58	13° 0	29°59	21°19	18°36	18°59	27° 4	29°50	29°23	21°25	n.a.	T 14
F 15	22 37 16	7°28'37	10♋26	1°22	19°13	13°44	0♌12	21°19	18°39	19° 1	27° 3	29°51	29°19	21°31	n.a.	F 15
S 16	22 41 12	8°28'47	22°29	2°23	20°28	14°28	0°23	21°19	18°41	19° 2	27° 3	29°52	29°16	21°38	n.a.	S 16
S 17	22 45 9	9°28'59	4♌44	3°20	21°43	15°13	0°35	21°19	18°44	19° 4	27° 2	29°53	29°13	21°45	n.a.	S 17
M18	22 49 6	10°29'13	17°13	4°15	22°58	15°58	0°46	21°R19	18°47	19° 6	27° 1	29°53	29°10	21°51	n.a.	M18
T 19	22 53 2	11°29'29	29°58	5° 5	24°14	16°42	0°58	21°19	18°49	19° 8	27° 0	29°R54	29° 7	21°58	n.a.	T 19
W20	22 56 59	12°29'47	12♍59	5°51	25°29	17°27	1° 9	21°19	18°52	19°10	26°59	29°53	29° 4	22° 5	n.a.	W20
T 21	23 0 55	13°30'07	26°17	6°33	26°44	18°12	1°20	21°19	18°55	19°12	26°58	29°52	29° 0	22°12	n.a.	T 21
F 22	23 4 52	14°30'29	9♎49	7°10	27°59	18°57	1°31	21°18	18°57	19°14	26°58	29°51	28°57	22°18	n.a.	F 22
S 23	23 8 48	15°30'53	23°35	7°41	29°14	19°42	1°43	21°18	19° 0	19°16	26°57	29°48	28°54	22°25	n.a.	S 23
S 24	23 12 45	16°31'18	7♏31	8° 6	0♎29	20°27	1°54	21°17	19° 2	19°18	26°56	29°46	28°51	22°32	n.a.	S 24
M25	23 16 41	17°31'45	21°35	8°24	1°45	21°12	2° 5	21°16	19° 5	19°20	26°55	29°44	28°48	22°38	n.a.	M25
T 26	23 20 38	18°32'13	5♐43	8°34	3° 0	21°57	2°15	21°15	19° 7	19°22	26°55	29°43	28°45	22°45	n.a.	T 26
W27	23 24 35	19°32'43	19°54	8°R36	4°15	22°42	2°26	21°14	19° 9	19°24	26°54	29°D42	28°41	22°52	n.a.	W27
T 28	23 28 31	20°33'15	4♑ 5	8°29	5°30	23°27	2°37	21°13	19°12	19°26	26°53	29°43	28°38	22°58	n.a.	T 28
F 29	23 32 28	21°33'48	18°14	8°13	6°45	24°13	2°48	21°12	19°14	19°28	26°53	29°44	28°35	23° 5	n.a.	F 29
S 30	23 36 24	22♍34'22	2♒19	7♎46	8♎ 0	24♎58	2♌58	21♉11	19♋16	19♎30	26♑52	29♌46	28♌32	23♊12	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n56	19s29	4n10	5n19	1s12	12n15	1n15	1s35	0s12	22n 2	0n59	16n50	1s35	23n14	0n35	5s37	1n57	35s35	14s50	11n44	11n39	18n40		n.a.
S 2	13 36	18 48	3 13	4 40	1 19	11 46	1 14	1 53	0 12	22 0	0 59	16 50	1 35	23 14	0 35	5 38	1 57	35 35	14 50	11 44	11 41	18 41		n.a.
S 3	13 16	16 53	2 4	4 1	1 26	11 17	1 13	2 11	0 13	21 57	0 59	16 51	1 35	23 14	0 35	5 39	1 57	35 36	14 50	11 44	11 42	18 42		n.a.
M 4	12 55	13 56	0 47	3 23	1 33	10 48	1 12	2 30	0 14	21 55	0 59	16 51	1 35	23 13	0 35	5 39	1 57	35 36	14 50	11 44	11 43	18 43		n.a.
T 5	12 34	10 12	0s30	2 45	1 40	10 19	1 11	2 48	0 15	21 52	0 59	16 51	1 35	23 13	0 35	5 40	1 57	35 36	14 50	11 44	11 44	18 43		n.a.
W 6	12 13	6 0	1 45	2 7	1 47	9 49	1 9	3 6	0 15	21 50	1 0	16 52	1 35	23 12	0 35	5 41	1 57	35 36	14 49	11 44	11 45	18 44		n.a.
T 7	11 52	1 37	2 51	1 30	1 53	9 19	1 8	3 25	0 16	21 48	1 0	16 52	1 35	23 12	0 35	5 41	1 57	35 36	14 49	11 44	11 46	18 45		n.a.
F 8	11 31	2n44	3 47	0 53	2 0	8 49	1 7	3 43	0 17	21 45	1 0	16 52	1 36	23 12	0 36	5 42	1 57	35 36	14 49	11 44	11 47	18 46		n.a.
S 9	11 9	6 50	4 30	0 17	2 6	8 18	1 5	4 1	0 18	21 43	1 0	16 52	1 36	23 11	0 36	5 43	1 57	35 36	14 49	11 44	11 48	18 47		n.a.
S 10	10 47	10 33	5 0	0s18	2 13	7 48	1 4	4 20	0 18	21 41	1 0	16 52	1 36	23 11	0 36	5 43	1 57	35 36	14 49	11 44	11 50	18 47		n.a.
M11	10 25	13 44	5 15	0 52	2 18	7 17	1 2	4 38	0 19	21 38	1 0	16 53	1 36	23 10	0 36	5 44	1 57	35 36	14 49	11 45	11 51	18 48		n.a.
T 12	10 3	16 18	5 16	1 26	2 24	6 46	1 0	4 56	0 20	21 36	1 0	16 53	1 36	23 10	0 36	5 45	1 57	35 36	14 48	11 45	11 52	18 49		n.a.
W13	9 41	18 10	5 4	1 58	2 30	6 14	0 59	5 15	0 21	21 33	1 1	16 53	1 36	23 10	0 36	5 46	1 57	35 36	14 48	11 45	11 53	18 50		n.a.
T 14	9 18	19 14	4 39	2 29	2 35	5 43	0 57	5 33	0 21	21 31	1 1	16 53	1 36	23 9	0 36	5 46	1 57	35 36	14 48	11 44	11 54	18 50		n.a.
F 15	8 55	19 28	4 1	2 59	2 39	5 11	0 55	5 51	0 22	21 29	1 1	16 53	1 36	23 9	0 36	5 47	1 57	35 36	14 48	11 44	11 55	18 51		n.a.
S 16	8 32	18 48	3 13	3 28	2 44	4 40	0 53	6 9	0 23	21 26	1 1	16 53	1 36	23 9	0 36	5 48	1 57	35 36	14 48	11 44	11 56	18 52		n.a.
S 17	8 9	17 15	2 15	3 54	2 48	4 8	0 51	6 28	0 24	21 24	1 1	16 53	1 36	23 8	0 36	5 49	1 57	35 36	14 47	11 43	11 58	18 53		n.a.
M18	7 46	14 52	1 10	4 19	2 51	3 36	0 49	6 46	0 24	21 22	1 2	16 53	1 36	23 8	0 36	5 49	1 57	35 36	14 47	11 43	11 59	18 53		n.a.
T 19	7 23	11 42	0n 0	4 42	2 54	3 4	0 48	7 4	0 25	21 19	1 2	16 52	1 37	23 8	0 36	5 50	1 57	35 36	14 47	11 43	12 0	18 54		n.a.
W20	7 0	7 55	1 12	5 3	2 56	2 31	0 45	7 22	0 26	21 17	1 2	16 52	1 37	23 7	0 36	5 51	1 57	35 36	14 47	11 43	12 1	18 55		n.a.
T 21	6 36	3 39	2 21	5 21	2 57	1 59	0 43	7 40	0 26	21 14	1 2	16 52	1 37	23 7	0 36	5 52	1 57	35 36	14 47	11 44	12 2	18 56		n.a.
F 22	6 13	0s51	3 23	5 37	2 58	1 27	0 41	7 58	0 27	21 12	1 2	16 52	1 37	23 7	0 36	5 52	1 56	35 36	14 46	11 44	12 3	18 56		n.a.
S 23	5 49	5 23	4 15	5 49	2 58	0 54	0 39	8 16	0 28	21 10	1 2	16 52	1 37	23 6	0 36	5 53	1 56	35 36	14 46	11 45	12 4	18 57		n.a.
S 24	5 25	9 41	4 52	5 58	2 57	0 22	0 37	8 34	0 28	21 7	1 3	16 52	1 37	23 6	0 36	5 54	1 56	35 36	14 46	11 46	12 5	18 58		n.a.
M25	5 1	13 28	5 12	6 3	2 54	0s10	0 35	8 52	0 29	21 5	1 3	16 51	1 37	23 6	0 36	5 55	1 56	35 36	14 46	11 46	12 7	18 59		n.a.
T 26	4 37	16 31	5 14	6 4	2 51	0 43	0 33	9 10	0 30	21 3	1 3	16 51	1 37	23 5	0 36	5 55	1 56	35 36	14 45	11 47	12 8	18 59		n.a.
W27	4 13	18 34	4 56	6 0	2 46	1 15	0 30	9 28	0 30	21 0	1 3	16 51	1 37	23 5	0 36	5 56	1 56	35 36	14 45	11 47	12 9	19 0		n.a.
T 28	3 49	19 29	4 21	5 51	2 39	1 48	0 28	9 45	0 31	20 58	1 3	16 50	1 37	23 5	0 36	5 57	1 56	35 35	14 45	11 47	12 10	19 1		n.a.
F 29	3 24	19 10	3 29	5 37	2 31	2 20	0 26	10 3	0 32	20 56	1 4	16 50	1 37	23 4	0 36	5 58	1 56	35 35	14 45	11 46	12 11	19 1		n.a.
S 30	3n 0	17s39	2n26	5s18	2s21	2s52	0n23	10s20	0s32	20n53	1n 4	16n49	1s37	23n 4	0n36	5s59	1n56	35s35	14s44	11n46	12n12	19n 2		n.a.

Julian Day Number = 1118638.5, Delta T = 10h44m32s
Ecliptic obliquity = 23°53'06, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'21, Lahiri = -26°43'21 Julian Calendar 1 Sept. 1651 BCE == Greg. Calendar 18 Aug. 1651 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

OCTOBER 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 40 21	23♍34'58	16♒19	7°R10	9♎15	25♎43	3♌ 9	21°R 9	19♋18	19♎32	26°R52	29♌47	28♌29	23♊19	n.a.	S 1
M 2	23 44 17	24°35'35	0♓ 9	6♎24	10°31	26°29	3°19	21♉ 8	19°20	19°34	26♉51	29°R47	28°25	23°25	n.a.	M 2
T 3	23 48 14	25°36'14	13°50	5°28	11°46	27°14	3°29	21° 6	19°22	19°36	26°50	29°47	28°22	23°32	n.a.	T 3
W 4	23 52 10	26°36'54	27°16	4°23	13° 1	28° 0	3°39	21° 4	19°24	19°38	26°50	29°45	28°19	23°39	n.a.	W 4
T 5	23 56 7	27°37'36	10♈28	3°11	14°16	28°46	3°49	21° 3	19°26	19°40	26°49	29°41	28°16	23°45	n.a.	T 5
F 6	0 0 3	28°38'20	23°23	1°54	15°31	29°31	3°59	21° 1	19°28	19°42	26°49	29°36	28°13	23°52	n.a.	F 6
S 7	0 4 0	29°39'05	6♉ 2	0°33	16°46	0♏17	4° 9	20°59	19°30	19°45	26°48	29°31	28°10	23°59	n.a.	S 7
S 8	0 7 57	0♎39'52	18°25	29♍12	18° 1	1° 3	4°19	20°56	19°32	19°47	26°48	29°26	28° 6	24° 6	n.a.	S 8
M 9	0 11 53	1°40'40	0♊34	27°53	19°16	1°48	4°29	20°54	19°34	19°49	26°48	29°21	28° 3	24°12	n.a.	M 9
T 10	0 15 50	2°41'31	12°34	26°38	20°31	2°34	4°38	20°52	19°35	19°51	26°47	29°18	28° 0	24°19	n.a.	T 10
W11	0 19 46	3°42'23	24°27	25°31	21°46	3°20	4°48	20°49	19°37	19°53	26°47	29°16	27°57	24°26	n.a.	W11
T 12	0 23 43	4°43'16	6♋18	24°33	23° 1	4° 6	4°57	20°47	19°38	19°55	26°46	29°D15	27°54	24°32	n.a.	T 12
F 13	0 27 39	5°44'12	18°12	23°45	24°16	4°52	5° 6	20°44	19°40	19°58	26°46	29°16	27°50	24°39	n.a.	F 13
S 14	0 31 36	6°45'09	0♌15	23° 9	25°31	5°38	5°15	20°41	19°42	20° 0	26°46	29°18	27°47	24°46	n.a.	S 14
S 15	0 35 32	7°46'07	12°31	22°44	26°46	6°24	5°25	20°38	19°43	20° 2	26°46	29°19	27°44	24°53	n.a.	S 15
M16	0 39 29	8°47'07	25° 4	22°31	28° 1	7°10	5°33	20°35	19°44	20° 4	26°45	29°R20	27°41	24°59	n.a.	M16
T 17	0 43 26	9°48'08	7♍58	22°D29	29°16	7°57	5°42	20°32	19°46	20° 7	26°45	29°20	27°38	25° 6	n.a.	T 17
W18	0 47 22	10°49'11	21°15	22°37	0♏31	8°43	5°51	20°29	19°47	20° 9	26°45	29°18	27°35	25°13	n.a.	W18
T 19	0 51 19	11°50'14	4♎54	22°56	1°46	9°29	5°59	20°26	19°48	20°11	26°45	29°14	27°31	25°19	n.a.	T 19
F 20	0 55 15	12°51'19	18°53	23°23	3° 1	10°15	6° 8	20°22	19°49	20°13	26°45	29° 8	27°28	25°26	n.a.	F 20
S 21	0 59 12	13°52'25	3♏ 9	23°58	4°16	11° 2	6°16	20°19	19°51	20°16	26°44	29° 0	27°25	25°33	n.a.	S 21
S 22	1 3 8	14°53'32	17°35	24°41	5°31	11°48	6°24	20°15	19°52	20°18	26°44	28°52	27°22	25°39	n.a.	S 22
M23	1 7 5	15°54'40	2♐ 5	25°30	6°46	12°35	6°32	20°12	19°53	20°20	26°44	28°45	27°19	25°46	n.a.	M23
T 24	1 11 1	16°55'49	16°32	26°25	8° 1	13°21	6°40	20° 8	19°54	20°22	26°44	28°40	27°16	25°53	n.a.	T 24
W25	1 14 58	17°56'58	0♑54	27°24	9°16	14° 8	6°48	20° 4	19°55	20°25	26°44	28°36	27°12	26° 0	n.a.	W25
T 26	1 18 55	18°58'08	15° 5	28°28	10°31	14°54	6°56	20° 1	19°55	20°27	26°D44	28°D35	27° 9	26° 6	n.a.	T 26
F 27	1 22 51	19°59'19	29° 4	29°35	11°46	15°41	7° 3	19°57	19°56	20°29	26°44	28°35	27° 6	26°13	n.a.	F 27
S 28	1 26 48	21° 0'30	12♒52	0♎46	13° 0	16°27	7°11	19°53	19°57	20°31	26°44	28°36	27° 3	26°20	n.a.	S 28
S 29	1 30 44	22° 1'41	26°28	1°59	14°15	17°14	7°18	19°49	19°58	20°34	26°44	28°R37	27° 0	26°26	n.a.	S 29
M30	1 34 41	23° 2'53	9♓52	3°15	15°30	18° 1	7°25	19°44	19°58	20°36	26°44	28°36	26°56	26°33	n.a.	M30
T 31	1 38 37	24♎ 4'06	23♓ 6	4♎33	16♏45	18♏47	7♌32	19♉40	19♋59	20♎38	26♑44	28♌34	26♌53	26♊40	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	2n36	15s 4	1n14	4s52	2s 9	3s25	0n21	10s38	0s33	20n51	1n 4	16n49	1s38	23n 4	0n36	6s 0	1n56	35s35	14s44	11n46	12n13	19n 3			n.a.
M 2	2 11	11 39	0s 2	4 21	1 56	3 57	0 19	10 55	0 34	20 49	1 4	16 48	1 38	23 4	0 36	6 0	1 56	35 35	14 44	11 45	12 14	19 4			n.a.
T 3	1 47	7 39	1 16	3 45	1 41	4 29	0 16	11 13	0 34	20 47	1 4	16 48	1 38	23 3	0 36	6 1	1 56	35 35	14 44	11 46	12 16	19 4			n.a.
W 4	1 22	3 19	2 25	3 3	1 24	5 1	0 14	11 30	0 35	20 44	1 5	16 47	1 38	23 3	0 36	6 2	1 56	35 35	14 43	11 46	12 17	19 5			n.a.
T 5	0 58	1n 5	3 25	2 17	1 5	5 33	0 11	11 47	0 36	20 42	1 5	16 47	1 38	23 3	0 36	6 3	1 56	35 34	14 43	11 48	12 18	19 6			n.a.
F 6	0 33	5 21	4 12	1 28	0 46	6 5	0 9	12 4	0 36	20 40	1 5	16 46	1 38	23 3	0 36	6 4	1 56	35 34	14 43	11 49	12 19	19 6			n.a.
S 7	0 8	9 17	4 47	0 36	0 25	6 36	0 6	12 21	0 37	20 38	1 5	16 46	1 38	23 2	0 37	6 5	1 56	35 34	14 42	11 51	12 20	19 7			n.a.
S 8	0s16	12 43	5 6	0n15	0 5	7 8	0 4	12 38	0 37	20 36	1 5	16 45	1 38	23 2	0 37	6 5	1 56	35 34	14 42	11 53	12 21	19 8			n.a.
M 9	0 41	15 34	5 12	1 6	0n16	7 39	0 1	12 55	0 38	20 34	1 6	16 44	1 38	23 2	0 37	6 6	1 56	35 34	14 42	11 55	12 22	19 8			n.a.
T 10	1 5	17 42	5 4	1 54	0 36	8 11	0s 1	13 12	0 39	20 31	1 6	16 44	1 38	23 2	0 37	6 7	1 56	35 34	14 42	11 56	12 23	19 9			n.a.
W11	1 30	19 4	4 43	2 39	0 55	8 42	0 4	13 28	0 39	20 29	1 6	16 43	1 38	23 2	0 37	6 8	1 56	35 33	14 41	11 57	12 25	19 10			n.a.
T 12	1 55	19 35	4 9	3 18	1 12	9 12	0 6	13 45	0 40	20 27	1 6	16 42	1 38	23 1	0 37	6 9	1 56	35 33	14 41	11 57	12 26	19 10			n.a.
F 13	2 19	19 14	3 25	3 52	1 28	9 43	0 9	14 1	0 40	20 25	1 7	16 41	1 38	23 1	0 37	6 10	1 56	35 33	14 41	11 57	12 27	19 11			n.a.
S 14	2 44	18 0	2 32	4 19	1 42	10 13	0 11	14 17	0 41	20 23	1 7	16 41	1 38	23 1	0 37	6 11	1 56	35 33	14 40	11 56	12 28	19 12			n.a.
S 15	3 8	15 55	1 30	4 40	1 54	10 43	0 14	14 33	0 41	20 21	1 7	16 40	1 38	23 1	0 37	6 11	1 56	35 32	14 40	11 55	12 29	19 12			n.a.
M16	3 33	13 3	0 23	4 55	2 4	11 13	0 16	14 49	0 42	20 19	1 7	16 39	1 38	23 1	0 37	6 12	1 56	35 32	14 40	11 55	12 30	19 13			n.a.
T 17	3 57	9 27	0n47	5 3	2 12	11 43	0 19	15 5	0 43	20 17	1 7	16 38	1 38	23 0	0 37	6 13	1 56	35 32	14 39	11 55	12 31	19 14			n.a.
W18	4 22	5 18	1 56	5 6	2 18	12 12	0 21	15 21	0 43	20 15	1 8	16 37	1 39	23 0	0 37	6 14	1 56	35 32	14 39	11 56	12 32	19 14			n.a.
T 19	4 46	0 46	3 1	5 3	2 23	12 41	0 24	15 37	0 44	20 13	1 8	16 36	1 39	23 0	0 37	6 15	1 56	35 31	14 39	11 57	12 33	19 15			n.a.
F 20	5 10	3s54	3 56	4 55	2 27	13 10	0 26	15 52	0 44	20 11	1 8	16 35	1 39	23 0	0 37	6 16	1 56	35 31	14 38	12 0	12 35	19 16			n.a.
S 21	5 34	8 27	4 37	4 42	2 29	13 38	0 29	16 7	0 45	20 9	1 8	16 34	1 39	23 0	0 37	6 17	1 56	35 31	14 38	12 2	12 36	19 16			n.a.
S 22	5 58	12 34	5 2	4 26	2 30	14 6	0 32	16 23	0 45	20 8	1 9	16 33	1 39	23 0	0 37	6 18	1 56	35 31	14 38	12 5	12 37	19 17			n.a.
M23	6 22	15 57	5 7	4 6	2 29	14 34	0 34	16 38	0 46	20 6	1 9	16 32	1 39	23 0	0 37	6 18	1 56	35 30	14 38	12 7	12 38	19 18			n.a.
T 24	6 46	18 20	4 53	3 43	2 28	15 1	0 36	16 52	0 46	20 4	1 9	16 31	1 39	23 0	0 37	6 19	1 56	35 30	14 37	12 9	12 39	19 18			n.a.
W25	7 10	19 32	4 21	3 17	2 26	15 28	0 39	17 7	0 47	20 2	1 9	16 30	1 39	22 59	0 37	6 20	1 56	35 30	14 37	12 11	12 40	19 19			n.a.
T 26	7 34	19 30	3 32	2 48	2 23	15 54	0 41	17 22	0 47	20 1	1 10	16 29	1 39	22 59	0 37	6 21	1 56	35 29	14 37	12 11	12 41	19 19			n.a.
F 27	7 57	18 15	2 32	2 18	2 20	16 20	0 44	17 36	0 48	19 59	1 10	16 28	1 39	22 59	0 37	6 22	1 56	35 29	14 36	12 11	12 42	19 20			n.a.
S 28	8 21	15 56	1 24	1 46	2 16	16 46	0 46	17 50	0 48	19 57	1 10	16 27	1 39	22 59	0 37	6 23	1 56	35 29	14 36	12 11	12 43	19 21			n.a.
S 29	8 44	12 45	0 12	1 12	2 11	17 11	0 49	18 4	0 49	19 56	1 11	16 26	1 39	22 59	0 37	6 24	1 56	35 28	14 36	12 10	12 45	19 21			n.a.
M30	9 7	8 56	1s 0	0 36	2 6	17 36	0 51	18 18	0 49	19 54	1 11	16 25	1 39	22 59	0 37	6 25	1 56	35 28	14 35	12 11	12 46	19 22			n.a.
T 31	9s30	4s44	2s 7	0n 0	2n 1	18s 0	0s53	18s32	0s50	19n52	1n11	16n24	1s39	22n59	0n37	6s25	1n56	35s28	14s35	12n12	12n47	19n22			n.a.

Julian Day Number = 1118668.5, Delta T = 10h44m30s
Ecliptic obliquity = 23°53'06, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'17, Lahiri = -26°43'17 Julian Calendar 1 Oct. 1651 BCE == Greg. Calendar 17 Sept. 1651 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

NOVEMBER 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 42 34	25♎ 5'18	6♈10	5♎53	18♏ 0	19♏34	7♌39	19°R36	19♋59	20♎40	26♑45	28°R28	26♌50	26♊47	n.a.	W 1
T 2	1 46 30	26° 6'32	19° 2	7°14	19°14	20°21	7°45	19♉32	20° 0	20°43	26°45	28♌20	26°47	26°53	n.a.	T 2
F 3	1 50 27	27° 7'46	1♉42	8°37	20°29	21° 8	7°52	19°27	20° 0	20°45	26°45	28°10	26°44	27° 0	n.a.	F 3
S 4	1 54 24	28° 9'00	14°10	10° 1	21°44	21°55	7°58	19°23	20° 0	20°47	26°45	27°58	26°41	27° 7	n.a.	S 4
S 5	1 58 20	29°10'15	26°27	11°26	22°59	22°42	8° 5	19°18	20° 1	20°49	26°45	27°46	26°37	27°13	n.a.	S 5
M 6	2 2 17	0♏11'31	8♊33	12°51	24°13	23°28	8°11	19°14	20° 1	20°52	26°46	27°35	26°34	27°20	n.a.	M 6
T 7	2 6 13	1°12'48	20°31	14°18	25°28	24°15	8°16	19° 9	20° 1	20°54	26°46	27°25	26°31	27°27	n.a.	T 7
W 8	2 10 10	2°14'05	2♋22	15°45	26°43	25° 2	8°22	19° 5	20° 1	20°56	26°46	27°18	26°28	27°33	n.a.	W 8
T 9	2 14 6	3°15'22	14°11	17°13	27°57	25°49	8°28	19° 0	20°R 1	20°58	26°47	27°14	26°25	27°40	n.a.	T 9
F 10	2 18 3	4°16'41	26° 3	18°42	29°12	26°36	8°33	18°55	20° 1	21° 1	26°47	27°12	26°21	27°47	n.a.	F 10
S 11	2 22 0	5°17'59	8♌ 3	20°11	0♐26	27°23	8°39	18°51	20° 1	21° 3	26°47	27°D11	26°18	27°54	n.a.	S 11
S 12	2 25 56	6°19'18	20°15	21°40	1°41	28°10	8°44	18°46	20° 1	21° 5	26°48	27°12	26°15	28° 0	n.a.	S 12
M13	2 29 53	7°20'38	2♍46	23°10	2°56	28°57	8°49	18°41	20° 1	21° 7	26°48	27°R12	26°12	28° 7	n.a.	M13
T 14	2 33 49	8°21'58	15°40	24°40	4°10	29°45	8°53	18°36	20° 1	21° 9	26°49	27°10	26° 9	28°14	n.a.	T 14
W15	2 37 46	9°23'18	29° 1	26°11	5°25	0♐32	8°58	18°31	20° 0	21°12	26°49	27° 7	26° 6	28°20	n.a.	W15
T 16	2 41 42	10°24'39	12♎50	27°42	6°39	1°19	9° 2	18°26	20° 0	21°14	26°50	27° 0	26° 2	28°27	n.a.	T 16
F 17	2 45 39	11°25'59	27° 5	29°13	7°54	2° 6	9° 7	18°21	20° 0	21°16	26°50	26°51	25°59	28°34	n.a.	F 17
S 18	2 49 35	12°27'20	11♏43	0♏44	9° 8	2°53	9°11	18°16	19°59	21°18	26°51	26°39	25°56	28°41	n.a.	S 18
S 19	2 53 32	13°28'41	26°36	2°16	10°23	3°40	9°15	18°11	19°59	21°20	26°51	26°28	25°53	28°47	n.a.	S 19
M20	2 57 29	14°30'02	11♐34	3°49	11°37	4°28	9°18	18° 6	19°58	21°22	26°52	26°16	25°50	28°54	n.a.	M20
T 21	3 1 25	15°31'22	26°28	5°21	12°52	5°15	9°22	18° 2	19°57	21°25	26°53	26° 7	25°47	29° 1	n.a.	T 21
W22	3 5 22	16°32'42	11♑11	6°54	14° 6	6° 2	9°25	17°57	19°57	21°27	26°53	26° 1	25°43	29° 7	n.a.	W22
T 23	3 9 18	17°34'02	25°36	8°27	15°20	6°49	9°29	17°52	19°56	21°29	26°54	25°57	25°40	29°14	n.a.	T 23
F 24	3 13 15	18°35'21	9♒41	10° 1	16°35	7°37	9°32	17°47	19°55	21°31	26°55	25°55	25°37	29°21	n.a.	F 24
S 25	3 17 11	19°36'39	23°26	11°35	17°49	8°24	9°34	17°42	19°54	21°33	26°56	25°55	25°34	29°27	n.a.	S 25
S 26	3 21 8	20°37'56	6♓52	13° 9	19° 3	9°11	9°37	17°37	19°54	21°35	26°56	25°55	25°31	29°34	n.a.	S 26
M27	3 25 5	21°39'13	20° 1	14°44	20°17	9°59	9°40	17°32	19°53	21°37	26°57	25°53	25°27	29°41	n.a.	M27
T 28	3 29 1	22°40'29	2♈56	16°19	21°32	10°46	9°42	17°27	19°52	21°39	26°58	25°49	25°24	29°48	n.a.	T 28
W29	3 32 58	23°41'44	15°39	17°55	22°46	11°33	9°44	17°22	19°51	21°41	26°59	25°42	25°21	29°54	n.a.	W29
T 30	3 36 54	24♏42'59	28♈12	19♏30	24♐ 0	12♐20	9♌46	17♉17	19♋49	21♎43	27♑ 0	25♌32	25♌18	0♋ 1	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s53	0s22	3s 7	0s37	1n55	18s24	0s56	18s46	0s50	19n51	1n11	16n23	1s39	22n59	0n38	6s26	1n56	35s27	14s35	12n14	12n48	19n23		n.a.
T 2	10 16	3n57	3 56	1 15	1 49	18 47	0 58	18 59	0 51	19 49	1 12	16 22	1 39	22 59	0 38	6 27	1 56	35 27	14 34	12 16	12 49	19 24		n.a.
F 3	10 38	8 2	4 32	1 54	1 43	19 10	1 0	19 12	0 51	19 48	1 12	16 20	1 39	22 59	0 38	6 28	1 56	35 27	14 34	12 20	12 50	19 24		n.a.
S 4	11 1	11 42	4 55	2 33	1 37	19 32	1 2	19 25	0 52	19 46	1 12	16 19	1 39	22 59	0 38	6 29	1 56	35 26	14 34	12 24	12 51	19 25		n.a.
S 5	11 23	14 49	5 3	3 13	1 30	19 54	1 5	19 38	0 52	19 45	1 12	16 18	1 39	22 59	0 38	6 30	1 56	35 26	14 33	12 28	12 52	19 25		n.a.
M 6	11 45	17 14	4 58	3 53	1 24	20 15	1 7	19 50	0 53	19 44	1 13	16 17	1 39	22 59	0 38	6 31	1 56	35 26	14 33	12 32	12 53	19 26		n.a.
T 7	12 7	18 54	4 39	4 34	1 17	20 36	1 9	20 3	0 53	19 42	1 13	16 15	1 39	22 59	0 38	6 31	1 56	35 25	14 33	12 36	12 54	19 27		n.a.
W 8	12 28	19 43	4 9	5 14	1 10	20 56	1 11	20 15	0 54	19 41	1 13	16 14	1 39	22 59	0 38	6 32	1 56	35 25	14 32	12 38	12 56	19 27		n.a.
T 9	12 50	19 40	3 28	5 55	1 3	21 15	1 13	20 27	0 54	19 40	1 14	16 13	1 39	22 59	0 38	6 33	1 56	35 25	14 32	12 40	12 57	19 28		n.a.
F 10	13 11	18 45	2 38	6 36	0 56	21 34	1 15	20 38	0 54	19 39	1 14	16 12	1 38	22 59	0 38	6 34	1 56	35 24	14 32	12 40	12 58	19 28		n.a.
S 11	13 32	16 59	1 40	7 16	0 49	21 52	1 17	20 50	0 55	19 38	1 14	16 10	1 38	22 59	0 38	6 35	1 56	35 24	14 32	12 40	12 59	19 29		n.a.
S 12	13 53	14 25	0 37	7 57	0 42	22 10	1 19	21 1	0 55	19 37	1 15	16 9	1 38	22 59	0 38	6 36	1 56	35 23	14 31	12 40	13 0	19 30		n.a.
M13	14 13	11 8	0n30	8 38	0 35	22 27	1 21	21 12	0 56	19 36	1 15	16 8	1 38	22 59	0 38	6 36	1 56	35 23	14 31	12 40	13 1	19 30		n.a.
T 14	14 33	7 14	1 36	9 18	0 28	22 43	1 22	21 23	0 56	19 35	1 15	16 7	1 38	22 59	0 38	6 37	1 56	35 23	14 31	12 41	13 2	19 31		n.a.
W15	14 53	2 50	2 40	9 58	0 21	22 59	1 24	21 34	0 56	19 34	1 15	16 5	1 38	22 59	0 38	6 38	1 56	35 22	14 30	12 42	13 3	19 31		n.a.
T 16	15 13	1s50	3 37	10 38	0 14	23 14	1 26	21 44	0 57	19 33	1 16	16 4	1 38	23 0	0 38	6 39	1 56	35 22	14 30	12 44	13 4	19 32		n.a.
F 17	15 32	6 34	4 22	11 17	0 7	23 28	1 27	21 54	0 57	19 32	1 16	16 3	1 38	23 0	0 38	6 40	1 56	35 21	14 30	12 48	13 5	19 32		n.a.
S 18	15 52	11 1	4 51	11 56	0 0	23 42	1 29	22 4	0 57	19 31	1 16	16 1	1 38	23 0	0 38	6 40	1 56	35 21	14 29	12 52	13 7	19 33		n.a.
S 19	16 11	14 53	5 1	12 35	0s 7	23 55	1 31	22 13	0 58	19 30	1 17	16 0	1 38	23 0	0 38	6 41	1 56	35 20	14 29	12 56	13 8	19 33		n.a.
M20	16 29	17 48	4 50	13 14	0 13	24 7	1 32	22 23	0 58	19 30	1 17	15 59	1 38	23 0	0 38	6 42	1 56	35 20	14 29	13 0	13 9	19 34		n.a.
T 21	16 48	19 30	4 20	13 52	0 20	24 18	1 33	22 32	0 59	19 29	1 17	15 57	1 38	23 0	0 38	6 43	1 56	35 20	14 28	13 3	13 10	19 34		n.a.
W22	17 6	19 52	3 33	14 29	0 26	24 29	1 35	22 41	0 59	19 28	1 18	15 56	1 38	23 0	0 38	6 44	1 56	35 19	14 28	13 5	13 11	19 35		n.a.
T 23	17 23	18 55	2 33	15 6	0 33	24 39	1 36	22 49	0 59	19 28	1 18	15 55	1 38	23 0	0 38	6 44	1 56	35 19	14 28	13 6	13 12	19 36		n.a.
F 24	17 41	16 48	1 25	15 42	0 39	24 48	1 37	22 58	1 0	19 27	1 18	15 53	1 37	23 1	0 39	6 45	1 56	35 18	14 28	13 7	13 13	19 36		n.a.
S 25	17 58	13 45	0 13	16 18	0 45	24 57	1 38	23 6	1 0	19 27	1 18	15 52	1 37	23 1	0 39	6 46	1 56	35 18	14 27	13 7	13 14	19 37		n.a.
S 26	18 14	10 3	0s58	16 53	0 51	25 5	1 40	23 14	1 0	19 26	1 19	15 51	1 37	23 1	0 39	6 47	1 56	35 17	14 27	13 7	13 15	19 37		n.a.
M27	18 31	5 55	2 4	17 28	0 57	25 12	1 41	23 21	1 0	19 26	1 19	15 49	1 37	23 1	0 39	6 47	1 56	35 17	14 27	13 7	13 16	19 38		n.a.
T 28	18 47	1 35	3 2	18 1	1 2	25 18	1 42	23 29	1 1	19 26	1 19	15 48	1 37	23 1	0 39	6 48	1 56	35 17	14 26	13 9	13 17	19 38		n.a.
W29	19 3	2n44	3 50	18 34	1 8	25 23	1 42	23 36	1 1	19 25	1 20	15 47	1 37	23 1	0 39	6 49	1 56	35 16	14 26	13 11	13 19	19 39		n.a.
T 30	19s18	6n53	4s27	19s 6	1s13	25s28	1s43	23s42	1s 1	19n25	1n20	15n46	1s37	23n 2	0n39	6s50	1n56	35s16	14s26	13n15	13n20	19n39		n.a.

Julian Day Number = 1118699.5, Delta T = 10h44m29s
Ecliptic obliquity = 23°53'07, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'13, Lahiri = -26°43'13 Julian Calendar 1 Nov. 1651 BCE == Greg. Calendar 18 Oct. 1651 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 1651 BCE
geocentric

DECEMBER 1651 BCE (-1650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 40 51	25♏44'13	10♉36	21♏ 7	25♐14	13♐ 8	9♌48	17°R12	19°R48	21♎45	27♑ 0	25°R19	25♌15	0♋ 8	n.a.	F 1
S 2	3 44 47	26°45'27	22°51	22°44	26°28	13°55	9°49	17♉ 7	19♋47	21°47	27° 1	25♌ 4	25°12	0°14	n.a.	S 2
S 3	3 48 44	27°46'39	4♊58	24°21	27°42	14°42	9°50	17° 2	19°46	21°49	27° 2	24°49	25° 8	0°21	n.a.	S 3
M 4	3 52 40	28°47'52	16°57	25°59	28°56	15°30	9°52	16°57	19°45	21°51	27° 3	24°35	25° 5	0°28	n.a.	M 4
T 5	3 56 37	29°49'03	28°51	27°37	0♑10	16°17	9°53	16°52	19°43	21°53	27° 4	24°23	25° 2	0°34	n.a.	T 5
W 6	4 0 34	0♐50'14	10♋41	29°16	1°24	17° 5	9°53	16°48	19°42	21°54	27° 5	24°13	24°59	0°41	n.a.	W 6
T 7	4 4 30	1°51'24	22°30	0♐55	2°38	17°52	9°54	16°43	19°40	21°56	27° 6	24° 7	24°56	0°48	n.a.	T 7
F 8	4 8 27	2°52'34	4♌21	2°35	3°52	18°39	9°54	16°38	19°39	21°58	27° 7	24° 3	24°53	0°55	n.a.	F 8
S 9	4 12 23	3°53'43	16°18	4°16	5° 6	19°27	9°55	16°34	19°37	22° 0	27° 8	24° 1	24°49	1° 1	n.a.	S 9
S 10	4 16 20	4°54'51	28°27	5°57	6°19	20°14	9°R55	16°29	19°36	22° 2	27° 9	24° 1	24°46	1° 8	n.a.	S 10
M11	4 20 16	5°55'59	10♍53	7°38	7°33	21° 1	9°54	16°24	19°34	22° 4	27°10	24° 1	24°43	1°15	n.a.	M11
T 12	4 24 13	6°57'06	23°42	9°20	8°47	21°49	9°54	16°20	19°32	22° 5	27°11	24° 0	24°40	1°21	n.a.	T 12
W13	4 28 10	7°58'12	6♎57	11° 3	10° 0	22°36	9°53	16°15	19°31	22° 7	27°12	23°57	24°37	1°28	n.a.	W13
T 14	4 32 6	8°59'17	20°42	12°46	11°14	23°23	9°53	16°11	19°29	22° 9	27°13	23°51	24°33	1°35	n.a.	T 14
F 15	4 36 3	10° 0'22	4♏58	14°30	12°28	24°11	9°52	16° 7	19°27	22°10	27°15	23°43	24°30	1°41	n.a.	F 15
S 16	4 39 59	11° 1'26	19°40	16°15	13°41	24°58	9°50	16° 2	19°25	22°12	27°16	23°33	24°27	1°48	n.a.	S 16
S 17	4 43 56	12° 2'28	4♐44	17°59	14°55	25°45	9°49	15°58	19°23	22°14	27°17	23°22	24°24	1°55	n.a.	S 17
M18	4 47 52	13° 3'30	19°59	19°45	16° 8	26°33	9°48	15°54	19°22	22°15	27°18	23°11	24°21	2° 1	n.a.	M18
T 19	4 51 49	14° 4'30	5♑13	21°30	17°21	27°20	9°46	15°50	19°20	22°17	27°19	23° 2	24°18	2° 8	n.a.	T 19
W20	4 55 45	15° 5'29	20°17	23°16	18°35	28° 7	9°44	15°46	19°18	22°18	27°20	22°55	24°14	2°15	n.a.	W20
T 21	4 59 42	16° 6'27	5♒ 2	25° 2	19°48	28°55	9°42	15°42	19°16	22°20	27°22	22°52	24°11	2°22	n.a.	T 21
F 22	5 3 39	17° 7'22	19°23	26°48	21° 1	29°42	9°40	15°38	19°14	22°21	27°23	22°D51	24° 8	2°28	n.a.	F 22
S 23	5 7 35	18° 8'16	3♓18	28°34	22°14	0♑29	9°37	15°34	19°11	22°23	27°24	22°51	24° 5	2°35	n.a.	S 23
S 24	5 11 32	19° 9'09	16°48	0♑20	23°27	1°17	9°34	15°31	19° 9	22°24	27°26	22°R51	24° 2	2°42	n.a.	S 24
M25	5 15 28	20° 9'59	29°56	2° 5	24°40	2° 4	9°32	15°27	19° 7	22°26	27°27	22°51	23°59	2°48	n.a.	M25
T 26	5 19 25	21°10'48	12♈44	3°50	25°53	2°51	9°28	15°23	19° 5	22°27	27°28	22°48	23°55	2°55	n.a.	T 26
W27	5 23 21	22°11'35	25°17	5°34	27° 6	3°38	9°25	15°20	19° 3	22°29	27°29	22°44	23°52	3° 2	n.a.	W27
T 28	5 27 18	23°12'21	7♉37	7°16	28°19	4°26	9°22	15°16	19° 0	22°30	27°31	22°36	23°49	3° 8	n.a.	T 28
F 29	5 31 15	24°13'04	19°48	8°57	29°32	5°13	9°18	15°13	18°58	22°31	27°32	22°27	23°46	3°15	n.a.	F 29
S 30	5 35 11	25°13'46	1♊51	10°36	0♒44	6° 0	9°15	15°10	18°56	22°33	27°34	22°15	23°43	3°22	n.a.	S 30
S 31	5 39 8	26♐14'27	13♊49	12♑12	1♒57	6♑47	9♌11	15♉ 7	18♋54	22♎34	27♑35	22♌ 4	23♌39	3♋29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s33	10n42	4s50	19s38	1s18	25s32	1s44	23s49	1s 2	19n25	1n20	15n44	1s37	23n 2	0n39	6s50	1n56	35s15	14s26	13n19	13n21	19n40		n.a.
S 2	19 48	14 0	4 59	20 8	1 23	25 35	1 45	23 55	1 2	19 25	1 21	15 43	1 37	23 2	0 39	6 51	1 56	35 15	14 25	13 24	13 22	19 40		n.a.
S 3	20 2	16 41	4 55	20 37	1 28	25 37	1 45	24 1	1 2	19 25	1 21	15 42	1 36	23 2	0 39	6 52	1 56	35 14	14 25	13 29	13 23	19 41		n.a.
M 4	20 16	18 38	4 37	21 6	1 32	25 39	1 46	24 7	1 2	19 25	1 21	15 40	1 36	23 3	0 39	6 52	1 56	35 14	14 25	13 34	13 24	19 41		n.a.
T 5	20 29	19 45	4 8	21 33	1 36	25 39	1 46	24 12	1 3	19 25	1 22	15 39	1 36	23 3	0 39	6 53	1 56	35 13	14 25	13 38	13 25	19 42		n.a.
W 6	20 42	20 0	3 28	22 0	1 40	25 39	1 47	24 17	1 3	19 25	1 22	15 38	1 36	23 3	0 39	6 54	1 56	35 13	14 24	13 42	13 26	19 42		n.a.
T 7	20 55	19 22	2 39	22 25	1 44	25 38	1 47	24 22	1 3	19 25	1 22	15 37	1 36	23 3	0 39	6 54	1 56	35 12	14 24	13 44	13 27	19 43		n.a.
F 8	21 7	17 53	1 42	22 49	1 47	25 37	1 47	24 26	1 3	19 25	1 23	15 36	1 36	23 4	0 39	6 55	1 56	35 12	14 24	13 45	13 28	19 43		n.a.
S 9	21 19	15 36	0 41	23 11	1 50	25 34	1 47	24 31	1 4	19 25	1 23	15 34	1 36	23 4	0 39	6 56	1 56	35 11	14 24	13 46	13 29	19 43		n.a.
S 10	21 31	12 36	0n24	23 33	1 53	25 31	1 47	24 35	1 4	19 26	1 23	15 33	1 35	23 4	0 39	6 56	1 56	35 11	14 23	13 46	13 30	19 44		n.a.
M11	21 42	8 58	1 28	23 53	1 55	25 27	1 47	24 38	1 4	19 26	1 24	15 32	1 35	23 4	0 39	6 57	1 57	35 11	14 23	13 46	13 32	19 44		n.a.
T 12	21 52	4 51	2 30	24 11	1 57	25 22	1 47	24 42	1 4	19 27	1 24	15 31	1 35	23 5	0 39	6 58	1 57	35 10	14 23	13 46	13 33	19 45		n.a.
W13	22 3	0 21	3 27	24 28	1 58	25 17	1 47	24 45	1 4	19 27	1 24	15 30	1 35	23 5	0 39	6 58	1 57	35 10	14 23	13 47	13 34	19 45		n.a.
T 14	22 12	4s20	4 13	24 44	2 0	25 10	1 47	24 47	1 5	19 28	1 25	15 29	1 35	23 5	0 39	6 59	1 57	35 9	14 22	13 49	13 35	19 46		n.a.
F 15	22 22	8 56	4 46	24 57	2 0	25 3	1 46	24 50	1 5	19 28	1 25	15 28	1 35	23 6	0 39	6 59	1 57	35 9	14 22	13 52	13 36	19 46		n.a.
S 16	22 31	13 9	5 1	25 9	2 1	24 55	1 46	24 52	1 5	19 29	1 25	15 26	1 34	23 6	0 39	7 0	1 57	35 8	14 22	13 55	13 37	19 47		n.a.
S 17	22 39	16 38	4 56	25 20	2 0	24 47	1 45	24 54	1 5	19 29	1 26	15 25	1 34	23 6	0 39	7 1	1 57	35 8	14 22	13 59	13 38	19 47		n.a.
M18	22 47	19 1	4 30	25 28	2 0	24 37	1 45	24 55	1 5	19 30	1 26	15 24	1 34	23 6	0 39	7 1	1 57	35 7	14 22	14 3	13 39	19 48		n.a.
T 19	22 55	20 2	3 45	25 35	1 58	24 27	1 44	24 57	1 5	19 31	1 26	15 23	1 34	23 7	0 39	7 2	1 57	35 7	14 21	14 6	13 40	19 48		n.a.
W20	23 2	19 37	2 44	25 39	1 57	24 17	1 43	24 58	1 5	19 32	1 26	15 22	1 34	23 7	0 39	7 2	1 57	35 6	14 21	14 8	13 41	19 48		n.a.
T 21	23 9	17 51	1 33	25 41	1 54	24 5	1 43	24 58	1 6	19 33	1 27	15 21	1 33	23 7	0 39	7 3	1 57	35 6	14 21	14 9	13 42	19 49		n.a.
F 22	23 15	14 59	0 18	25 42	1 51	23 53	1 42	24 59	1 6	19 34	1 27	15 20	1 33	23 8	0 39	7 3	1 57	35 5	14 21	14 9	13 43	19 49		n.a.
S 23	23 21	11 20	0s56	25 40	1 47	23 40	1 41	24 59	1 6	19 35	1 27	15 19	1 33	23 8	0 40	7 4	1 57	35 5	14 21	14 9	13 44	19 50		n.a.
S 24	23 26	7 12	2 4	25 36	1 43	23 26	1 39	24 59	1 6	19 36	1 28	15 19	1 33	23 8	0 40	7 4	1 57	35 5	14 20	14 9	13 46	19 50		n.a.
M25	23 31	2 50	3 4	25 30	1 38	23 12	1 38	24 58	1 6	19 37	1 28	15 18	1 33	23 9	0 40	7 5	1 57	35 4	14 20	14 9	13 47	19 51		n.a.
T 26	23 35	1n33	3 54	25 22	1 32	22 57	1 37	24 57	1 6	19 38	1 28	15 17	1 32	23 9	0 40	7 5	1 57	35 4	14 20	14 10	13 48	19 51		n.a.
W27	23 39	5 46	4 30	25 11	1 26	22 41	1 36	24 56	1 6	19 39	1 29	15 16	1 32	23 9	0 40	7 6	1 57	35 3	14 20	14 12	13 49	19 51		n.a.
T 28	23 42	9 41	4 54	24 59	1 18	22 25	1 34	24 55	1 6	19 40	1 29	15 15	1 32	23 10	0 40	7 6	1 57	35 3	14 20	14 14	13 50	19 52		n.a.
F 29	23 45	13 8	5 4	24 44	1 10	22 8	1 33	24 53	1 6	19 41	1 29	15 14	1 32	23 10	0 40	7 7	1 57	35 2	14 19	14 17	13 51	19 52		n.a.
S 30	23 48	16 1	5 0	24 28	1 1	21 51	1 31	24 51	1 6	19 43	1 30	15 14	1 32	23 10	0 40	7 7	1 57	35 2	14 19	14 21	13 52	19 53		n.a.
S 31	23s50	18n12	4s43	24s 9	0s51	21s33	1s29	24s49	1s 7	19n44	1n30	15n13	1s31	23n11	0n40	7s 7	1n57	35s 1	14s19	14n25	13n53	19n53		n.a.

Julian Day Number = 1118729.5, Delta T = 10h44m27s
Ecliptic obliquity = 23°53'06, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -25°50'09, Lahiri = -26°43'09 Julian Calendar 1 Dec. 1651 BCE == Greg. Calendar 17 Nov. 1651 BCE

The year -1650 astronomical counting style corresponds to year 1651 B.C.E historical counting style.

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